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Environmental Health

***CAL GAS***  
**15595 WASHINGTON AVENUE**  
**SAN LORENZO, CA 94580**

September 29, 2010

**Mr. Steven Plunkett**  
ACHCSA  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**SUBJECT: 2<sup>ND</sup> SEMI-ANNUALLY OF 2010 GROUNDWATER  
MONITORING AND SAMPLING REPORT**  
15595 Washington Avenue, San Lorenzo, CA

Dear Mr. Plunkett:

Enclosed, please find a copy of the September 28, 2010 subject 2<sup>nd</sup> Semi-Annually of 2010 Groundwater Monitoring and Sampling Report prepared by my consultant, Enviro Soil Tech Consultants.

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

Sincerely,

*M. Mohammadian*

MEHDI MOHAMMADIAN

**SECOND SEMI-ANNUAL OF 2010  
GROUNDWATER MONITORING AND  
SAMPLING AT THE PROPERTY  
LOCATED AT 15595 WASHINGTON AVENUE  
SAN LORENZO, CALIFORNIA  
SEPTEMBER 28, 2010**

**PREPARED FOR:  
MR. MEHDI MOHAMMADIAN  
CAL GAS  
15595 WASHINGTON AVENUE  
SAN LORENZO, CALIFORNIA 94580**

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

**ENVIRO SOIL TECH CONSULTANTS**

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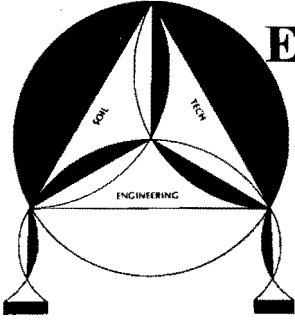
Groundwater Sampling	SOP1
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# **ENVIRO SOIL TECH CONSULTANTS**

**Environmental & Geotechnical Consultants**

**131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111**

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September 28, 2010

File No. 12-99-702-SI

**Mr. Mehdi Mohammadian**

Cal Gas

15595 Washington Avenue

San Lorenzo, California 94580

**SUBJECT: SECOND SEMI-ANNUAL OF 2010 GROUNDWATER  
MONITORING & SAMPLING AT THE PROPERTY**

Located at 15595 Washington Avenue, in  
San Lorenzo, California

Dear Mr. Mohammadian:

This report presents results of groundwater monitoring performed at 15595 Washington Avenue in San Lorenzo in August 2010. Samples were collected from all ten monitoring wells.

The work was conducted at the request of Alameda County Health Care Services Agency-Environmental Health Services (ACHCSA-EHS) in a letter dated February 2, 2007.

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September 28, 2010

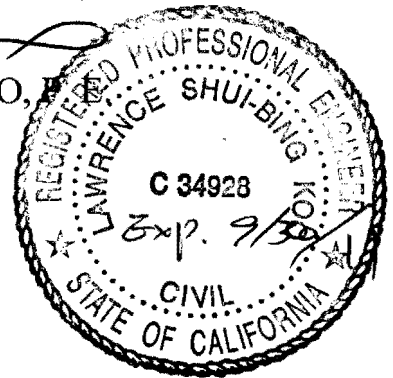
If you have any questions or require additional information, please feel free to contact our office at (408) 297-1500 or via email at [info@envirosoiltech.com](mailto:info@envirosoiltech.com).


Sincerely,

**ENVIRO SOIL TECH CONSULTANTS**

  
FRANK HAMEDI-FARD  
GENERAL MANAGER

  
LAWRENCE KOO,  
C. E. #34928



  
VICTOR B. CHERVEN, PH.D.  
PROFESSIONAL GEOLOGIST #3475



## **SITE DESCRIPTION**

The site is located on the northwest corner of Washington Avenue and Via Enrico Street, in San Lorenzo, California (Figure 1), and is currently being used as a service station. The site contains one single story building. The underground storage tanks are located at the center portion of the property south of the pump islands. The subject property is located in an area of commercial and residential development.

## **BACKGROUND**

Several parties have owned or operated this service station in the past 30 years. From 1974 to 1983 it was owned and operated by the Calleri family. In 1983, the Calleri's sold it to Texaco, Inc. Texaco owned the site from 1983 to 1986, but the site was not in operation during that time. Texaco removed the existing USTs in 1986, and subsurface contamination was detected in the fuel tank excavation.

After removing the UST's and discovering the contamination, Texaco sold the property to Bertram Kubo in 1986 or 1987. Mr. Kubo installed three new 10,000-gallon fuel tanks at a new location and reopened as a retail service station. He sold the property in 1990 to the current owner, Mr. Mehdi Mohammadian.

Groundwater Technology conducted a soil and groundwater investigation on behalf of Texaco in 1986. Three monitoring wells (MW-1 to MW-3) were installed, and hydrocarbon impact to shallow groundwater was detected in these wells. Investigation was suspended at that time, and no further work took place under Mr. Kubo's ownership after he purchased the site from Texaco.

After purchasing the site in 1990 and re-sampling the three monitoring wells in 1992, Mr. Mohammadian retained Toxichem Management Systems, Inc. in 1998 to conduct further subsurface investigation. Two additional wells (MW-4 and MW-5) were installed to the north of the three existing wells. Quarterly monitoring of all five wells began in August 1998.

ESTC continued the investigation in 2000 by drilling several new borings west and southwest of the site, in the presumed down-gradient direction. Further investigation took place in October and November 2006 and April 2007. This work served as the basis for a Site Conceptual Model report and Corrective Action Plan, which were completed in August 2007.

## **SCOPE OF PRESENT WORK**

The scope of work included following tasks:

- Measure the depth to groundwater and sample each well
- Analyze the samples for Total Petroleum Hydrocarbons in the range of gasoline, Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), gasoline oxygenates, and volatile organic compounds
- Review results and prepare a report of the investigation.

## **GROUNDWATER MONITORING**

After the wells were opened and allowed to equilibrate with atmospheric pressure, the depth to groundwater was measured and recorded. Then a clear bailer was lowered into each well to check for hydrocarbon sheen or odor, and approximately four to five well volumes of water were bailed from each well in order to purge standing water from

the casing and assure that water samples would be representative of surrounding groundwater. The purged water was added to the plastic storage tank and water samples were collected. The bailer was decontaminated before and after each well was sampled using Tri-sodium Phosphate (TSP) and water wash, followed by double rinsing.

The samples were preserved in 40-milliliter glass vials sealed with Teflon-lined screw caps, labeled and placed in a cold ice chest and then transported to Accutest Northern California Laboratories, a state-certified laboratory for analysis, with proper chain-of-custody. The sampling was conducted in accordance with ESTC's Standard Operation Procedures (Appendix "D") and ACHCSA-EHS guidelines.

## **DEPTH TO GROUNDWATER AND FLOW DIRECTION**

The depth to groundwater on August 12, 2010 ranged from about 8 feet in STMW-6 and STMW-8 to 10.2 feet in MW-5 (Table 2). This amounts to a drop in the water table of 2 feet since the site was monitored in March. This is very similar to the change that occurred between March and September of 2009 (Table 1).

The depth data were converted to elevation relative to sea level and contoured in Figure 2. As in previous quarters, the contours are curved rather than linear, and indicate that the groundwater flow direction is variable. In the southern part of the site, the contours imply that the flow direction continues to be slightly north of west; in the central site, the flow direction is slightly south of west; and in the northern portion of the area the flow direction is slightly north of west. MW-2 continues to be the most up-gradient well, with a static water elevation of 13.72 feet above sea level. STMW-10 is the most down-gradient well, with an elevation of 12.47 feet above sea level.

The hydraulic gradient continues to be steepest northwest of STMW-9, at 0.012 ft/ft. The gradient between MW-2 and MW-3 is 0.08 ft/ft, and between MW-5 and STMW-6 it is half as steep, at 0.004 ft/ft. This implies that groundwater flow toward the northwest is more rapid than toward the southwest.

## **ANALYTICAL RESULTS**

Ten water samples were analyzed, and the results are summarized in Table 2 and compared to previous results in Table 1. The laboratory report is in Appendix "F". In MW-1, the Total Petroleum Hydrocarbon as gasoline (TPHg) and MTBE concentrations are slightly below the standard detection limit of 50 µg/L. However, because of the overall low concentrations in this well, the laboratory was able to provide an estimated value of 45.5 µg/L. This well continues to exhibit a long-term steady decline in concentration from its high point eight years ago. In the other two near-source wells (MW-2 and MW-3), the concentration was below the detection limit and the laboratory provided no estimated value. The concentration in the most impacted well (MW-5) also continues to slowly decline, from over 4,000 µg/L in March 2008, to less than 1,700 µg/L in March and September 2009, to less than 1,600 µg/L today. At the same time, concentrations have not increased off site to the west; STMW-6, STMW-7, STMW-8, STMW-9, and STMW-10 are all below the limit. It is important to note that the concentration in STMW-6 has declined rapidly since that well was installed in 2007 and has been below the 50 µg/L limit during both monitoring events this year. Figure 3 shows the present extent of TPHg in the groundwater.

Benzene and Ethylbenzene continue to be detected in MW-5. The concentrations are low and stable. No BTEX compounds were detected in any of the other wells (Figure 4).

MTBE was detected in seven of the ten wells (Figure 5), but concentrations are on the decline in all of them. In STMW-6, for example, the concentration has decreased from approximately 2,000 µg/L in September 2007 to 673 µg/L in September 2008 to 70 µg/L in September 2009 to 41 µg/L in August 2010. This amounts to an average annual decline of 65% during the 4-year monitoring period. In our report for the first quarter of 2009, we constructed an MTBE decline curve for STMW-6 and projected the trend into the future. We predicted that the concentration would fall below 100 ppb by the middle of 2009. The graph has been updated through the third quarter of 2010, and shows that the concentration continues to follow the projected trend line. This is good evidence that the site is behaving as predicted and the concentration is attenuating naturally.

## **CONCLUSIONS AND RECOMMENDATIONS**

Based on our monitoring results in the past several quarters, we can conclude that the magnitude of groundwater contamination is declining steadily throughout the site area. The declines are not restricted to the immediate vicinity of either the first or second generation storage tanks, but are occurring even in distant wells such as STMW-6. Mapping of the groundwater flow direction shows conclusively that any contaminants that might escape from the site would impact one or more of the five off-site wells (STMW-6 through STMW-10), yet none of these has witnessed an increase that could explain the decrease in the on-site wells. Hence, we conclude that the gasoline and its constituents that were released at the site are attenuating due to natural oxidation and/or biodegradation processes in the subsurface and are not migrating off site.

In our report for the third quarter of 2009, we recommended preparing a Site Closure Report in 2010 if monitoring continues to confirm the projected trend of declining concentrations. This recommendation was based on Regional Water Board policies that allow site closures when monitoring data demonstrate that the contamination is stable or declining and does not threaten further degradation of groundwater. Results from March and August of 2010 do indeed confirm the downward trend. Therefore, we propose to issue a Site Closure Report before the end of the year.

A copy of this report should be forwarded to ACHCSA-EHS and the Regional Water Quality Control Board for their review and comments.

## **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 property.

File No. 12-99-702-SI  
September 28, 2010

The services that ESTC provided have been in accordance with generally accepted environmental professional practices for the nature and conditions of work completed in the same or similar localities at the time the work was performed. The contents of this report reflect the conditions of the subject site at this particular time. No other warranties, expressed or implied as to the professional advice provided are made.

File No. 12-99-702-SI  
September 28, 2010

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

## **TABLES**

**ENVIRO SOIL TECH CONSULTANTS**



**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	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
8/08/86	MW-1 (N/A)	15	5-15	N/A	N/A	N/A	N/A	ND <500	ND <500	NA	82	NA	NA	NA	NA	Not Analyzed
11/12/92				11.37†	N/A	N/A	720	3	0.5	1	1	NA	NA	NA	NA	Not Analyzed
3/24/94	(22.93) feet (MSL)			8.71†	14.22	Odor	1300	110	ND <0.5	19	ND <0.5	NA	NA	NA	NA	Not Analyzed
12/15/95				8.49†	14.44	No sheen Weakly petro. odor	350	18	2.9	3.5	2.8	NA	NA	NA	NA	Not Analyzed
8/26/98	(22.96) resurveyed			9.30†	13.66	N/A	ND <500	17	ND <5	ND <5	ND <5	340000	NA	NA	NA	Not Analyzed
1/26/99				7.96†	15.00	N/A	ND <50000	ND <500	ND <500	ND <500	ND <500	269000	NA	NA	NA	Not Analyzed
4/06/99				8.01†	14.95	N/A	3500	296	ND <10	43	18.6	117000	NA	NA	NA	Not Analyzed
5/24/00	(23.05) resurveyed			8.24†	14.81	No sheen or odor	33000	ND <5000	ND <5000	ND <5000	ND <5000	74000	ND <5000	ND <20000	ND <5000	None Detected<5000
8/24/00				9.43†	13.62	No sheen or odor	11000	ND <2000	ND <2000	ND <2000	ND <2000	32000	ND <2500	ND <10000	ND <2500	None Detected<2500
11/22/00				9.28†	13.77	L. rainbow sheen No odor	24000	ND <2500	ND <2500	ND <2500	ND <2500	35000	ND <2500	ND <10000	ND <2500	None Detected<2500
2/22/01				7.86†	15.19	No sheen or odor	19000	ND <5000	ND <5000	ND <5000	ND <5000	51000	ND <5000	ND <20000	ND <5000	None Detected<5000
5/29/01				8.96†	14.09	No sheen or odor	30000	ND <5000	ND <5000	ND <5000	ND <5000	110000	ND <5000	ND <20000	ND <5000	None Detected<5000
8/22/01				9.66†	13.39	No sheen or odor	46000	ND <2500	ND <2500	ND <2500	ND <2500	70000	ND <2500	11000	ND <2500	None Detected<2500
12/06/01				8.36†	14.69	No sheen or odor	25000	ND <2500	ND <2500	ND <2500	ND <2500	37000	ND <2500	ND <10000	ND <2500	None Detected<2500
3/25/02	(23.05) resurveyed			7.84†	15.21	L. rainbow sheen No odor	770	ND <830	ND <830	ND <830	ND <830	20000	ND <830	NA	ND <830	None Detected<830
7/02/02				8.96†	14.14	No sheen or odor	550	ND <500	ND <500	ND <500	ND <500	13000	ND <500	NA	ND <500	None Detected<500
10/05/02				9.58†	13.47	No sheen or odor	880•	ND <250	ND <250	ND <250	ND <250	3800	ND <250	ND <1000	ND <250	None Detected<250

**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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
1/17/03	MW-1 (23.05)	15	5-15	7.72†	15.33	No sheen or odor	8200a	ND <500	ND <500	ND <500	ND <500	11000	ND <500	2200	ND <500	None Detected<500
4/17/03				8.48†	14.57	No sheen or odor	390	ND <2.5	ND <2.5	ND <2.5	ND <2.5	1400	ND <2.5	NA	ND <2.5	n-Propylbenzene 3.1
7/24/03				9.20†	13.85	No sheen or odor	490•	ND <100	ND <100	ND <100	ND <100	590	ND <100	ND <200	ND <100	None Detected<100
10/22/03				9.88†	13.17	No sheen or odor	430c	ND <50	ND <50	ND <50	ND <50	540	ND <50	ND <100	ND <50	None Detected<50
1/17/04				8.18†	14.87	No sheen or odor	420d	ND <25	ND <25	ND <25	ND <25	340	ND <25	ND <50	D <25	None Detected<25
4/05/04				7.96†	15.09	No sheen or odor	520n	ND <5	ND <5	ND <5	ND <10	700	ND <5	ND <100	ND <5	None Detected<5
7/06/04				9.13†	13.92	No sheen or odor	150e	ND <0.5	ND <0.5	ND <0.5	ND <1	120	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/27/04				9.46†	13.59	No sheen or odor	110	5.3	1.2	2	4.3	47	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/17/04				8.38†	14.67	No sheen or odor	160	13	15	3.2	13	34	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/21/05				7.62†	15.43	No sheen or odor	450	ND <5	ND <5	ND <5	ND <5	520	ND <5	ND <100	ND <5	None Detected<5
6/18/05				8.18†	14.87	No sheen or odor	270	ND <2.5	ND <2.5	ND <2.5	ND <2.5	210	ND <2.5	63	ND <2.5	None Detected
9/15/05				8.84†	14.21	No sheen or odor	110	ND <0.5	ND <0.5	ND <0.5	ND <0.5	47	ND <0.5	15	ND <0.5	Carbon Disulfide 0.74
12/09/05				8.64†	14.41	No sheen or odor	70	ND <0.5	ND <0.5	ND <0.5	ND <0.5	16	ND <0.5	13	ND <0.5	None Detected<0.5
3/16/06				7.48†	15.57	No sheen or odor	280	ND <2.5	ND <2.5	ND <2.5	ND <2.5	270	ND <2.5	87	ND <2.5	None Detected<2.5
6/20/06				8.36†	14.69	No sheen or odor	220	ND <0.5	ND <0.5	ND <0.5	ND <0.5	58	ND <0.5	22	ND <0.5	None Detected<0.5
9/21/06				9.00†	14.05	No sheen Sewerage odor	120	ND <0.5	ND <0.5	ND <0.5	ND <0.5	17	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/14/06				8.18†	14.87	No sheen or odor	56	ND <0.5	ND <0.5	ND <0.5	ND <0.5	4.3	ND <0.5	ND <10	ND <0.5	None Detected<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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
3/12/07	MW-1 (23.05)	15	5-15	7.98†	15.07	No sheen or odor	100	ND <0.5	ND <0.5	ND <0.5	ND <0.5	8.2	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/14/07	(22.56)☆ resurveyed			9.72†	12.84	No sheen or odor	210	ND <0.5	ND <0.5	ND <0.5	ND <0.5	3.9	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/24/07				9.34†	13.22	No sheen or odor	97	ND <0.5	ND <0.5	ND <0.5	ND <0.5	2.3	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/12/08				7.88†	14.68	No sheen or odor	85	ND <0.5	ND <0.5	ND <0.5	ND <0.5	9.1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/10/08				9.46†	13.10	No sheen or odor	91.6	ND <1	ND <1	ND <1	ND <2	0.91h	ND <1	ND <10	ND <1	None Detected<1
3/16/09				8.00†	14.56	No sheen or odor	122	ND <1	ND <1	ND <1	ND <2	2.3	ND <1	ND <10	ND <1	Isopropylbenzene 0.35h n-Propylbenzene 0.87h
9/09/09				10.12†	12.44	No sheen or odor	55.7	ND <1	ND <1	ND <1	ND <2	1.3	ND <1	ND <10	ND <1	None Detected<1
2/15/10				7.57†	14.99	No sheen or odor	68.1	ND <1	ND <1	ND <1	ND <2	0.8h	ND <1	ND <10	ND <1	None Detected<1
8/12/10				9.09†	13.47	No sheen or odor	45.5h	ND <1	ND <1	ND <1	ND <2	0.74h	ND <1	ND <10	ND <1	None Detected<1
8/08/86	MW-2 (N/A)	15	5-15	N/A	N/A	N/A	NA	ND <50	ND <50	NA	ND <50	NA	NA	NA	NA	Not Analyzed
11/12/92	(22.09) feet (MSL)			10.55†	N/A	N/A	ND <10	ND <0.3	ND <0.3	ND <0.3	ND <0.5	NA	NA	NA	NA	Not Analyzed
3/24/94				7.87†	14.22	NA	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	NA	NA	NA	NA	Not Analyzed
12/15/95				4.62*	17.47	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	NA	NA	NA	NA	Not Analyzed
2/28/98	(22.07) resurveyed			8.40†	13.67	N/A	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	210000	NA	NA	NA	Not Analyzed
1/26/99				7.29†	14.78	N/A	ND <2000	ND <20	ND <20	ND <20	ND <20	9450	NA	NA	NA	Not Analyzed
4/06/99				7.28†	14.79	N/A	ND <1000	ND <10	ND <10	ND <10	ND <10	209000	NA	NA	NA	Not Analyzed
5/24/00	(21.94) resurveyed			7.22†	14.72	No sheen or odor	46000	ND <12500	ND <12500	ND <12500	ND <12500	180000	ND <12500	ND <50000	ND <12500	None Detected<12500
8/24/00				8.39†	13.55	No sheen or odor	21000	ND <2500	ND <2500	ND <2500	ND <2500	70000	ND <2500	ND <10000	ND <2500	None Detected<2500

**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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
11/22/00	MW-2 (21.94)	15	5-15	8.24†	13.70	No sheen or odor	29000	ND <2500	ND <2500	ND <2500	ND <2500	43000	ND <2500	ND <10000	ND <2500	None Detected<2500
2/22/01				6.52†	15.42	No sheen or odor	20000	ND <5000	ND <5000	ND <5000	ND <5000	61000	ND <5000	ND <20000	ND <5000	None Detected<5000
5/29/01				7.90†	14.04	No sheen or odor	9100	ND <1000	ND <1000	ND <1000	ND <1000	24000	ND <1000	ND <4000	ND <1000	None Detected<1000
8/22/01				8.62†	13.32	No sheen or odor	8700	ND <500	ND <500	ND <500	ND <500	12000	ND <500	ND <2000	ND <500	None Detected<500
12/06/01				7.28†	14.66	No sheen or odor	11000	ND <1250	ND <1250	ND <1250	ND <1250	22000	ND <1250	ND <5000	ND <1250	None Detected<1250
3/25/02				6.86†	15.08	No sheen or odor	ND <50	ND <830	ND <830	ND <830	ND <830	25000	ND <830	NA	ND <830	None Detected<830
7/02/02				7.96†	13.98	No sheen or odor	ND <50	ND <170	ND <170	ND <170	ND <170	6000	ND <170	NA	ND <170	None Detected<170
10/05/02				8.54†	13.40	No sheen or odor	820•	ND <250	ND <250	ND <250	ND <250	3400	ND <250	ND <1000	ND <250	None Detected<250
1/17/03				6.76†	15.18	No sheen or odor	7000a	ND <500	ND <500	ND <500	ND <500	6800	ND <500	1100	ND <500	None Detected<500
4/17/03				7.38†	14.56	No sheen or odor	ND <500	ND <5	ND <5	ND <5	ND <5	3100	ND <5	NA	ND <5	None Detected<5
7/24/03				8.14†	13.80	No sheen or odor	720a	ND <5	ND <5	ND <5	ND <5	1400	ND <250	ND <500	ND <250	None Detected<250
10/22/03				8.82†	13.12	No sheen or odor	420c	ND <50	ND <50	ND <50	ND<50	580	ND <50	ND <100	ND <50	None Detected<50
10/22/03				8.82†	13.12	No sheen or odor	420c	ND <50	ND <50	ND <50	ND<50	580	ND <50	ND <100	ND <50	None Detected<100
1/17/04				7.14†	14.80	No sheen or odor	860c	ND <100	ND <100	ND <100	ND <100	1800	ND <5	250	ND <5	None Detected<5
4/05/04				6.94†	15.00	No sheen or odor	330n	ND<5	ND<5	ND<5	ND<10	500	ND<5	260	ND<5	None Detected<5
7/06/04				8.05†	13.89	No sheen or odor	200e	ND<1	ND<1	ND<1	ND<2	220	ND<1	ND<20	ND<1	None Detected<1
9/27/04				8.38†	13.11	No sheen or odor	54e	1.1	ND 0.5	ND <0.5	ND <1	72	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/17/04				7.31†	14.63	No sheen or odor	160	22	25	5.1	21	86	ND <0.5	39	ND <0.5	None Detected<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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
3/21/05	MW-2 (21.94)	15	5-15	6.54†	15.40	No sheen or odor	59	1.2	3.2	0.87	4.8	63	ND <0.5	30	ND <0.5	None Detected<0.5
6/18/05				7.16†	14.78	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	41	ND <0.5	12	ND <0.5	None Detected<0.5
9/15/05				7.74†	14.20	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	20	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/09/05				7.56†	14.38	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <1	9.7	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/16/06				6.60†	15.34	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	8	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/20/06				7.30†	14.64	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	6	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/21/06				7.94†	14.00	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	2.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/14/06				7.10†	14.84	No sheen or odor	ND <50	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
3/12/07				7.02†	14.92	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.33	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/14/07	(21.70)★ resurveyed			8.64†	13.06	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
9/24/07				8.26†	13.44	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
3/12/08				6.90†	14.80	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
9/10/08				8.40†	13.30	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
3/16/09				7.03†	14.67	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
9/09/09				9.00†	12.70	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
2/15/10				6.62†	15.08	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/12/10				7.98†	13.72	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	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 of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
8/08/96	MW-3 (N/A)	16	5-15	N/A	N/A	N/A	NA	ND<50	ND<50	NA	ND<50	NA	NA	NA	NA	Not Analyzed
11/12/92				11.32†	N/A	N/A	69	ND <0.3	ND <0.3	ND <0.3	ND <0.3	NA	NA	NA	NA	Not Analyzed
3/24/94	(22.73) feet (MSL)			8.69†	14.04	N/A	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	NA	NA	NA	NA	Not Analyzed
12/15/95				8.31†	14.42	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	NA	NA	NA	NA	Not Analyzed
8/26/98	(22.74) resurveyed			9.29†	13.45	N/A	ND <500	36	ND<5	ND<5	ND<5	99000	NA	NA	NA	Not Analyzed
12/16/98				8.00†	14.74	N/A	ND <500	ND <50	ND<50	ND<50	ND<50	19800	NA	NA	NA	Not Analyzed
4/06/99				8.00†	14.74	N/A	ND <1000	ND <10	ND<10	ND<10	ND<10	151000	NA	NA	NA	Not Analyzed
5/24/00	(22.56) resurveyed			8.08†	14.47	No sheen or odor	48000	ND <12500	ND <12500	ND <12500	ND <12500	200000	ND <12500	ND <50000	ND <12500	None Detected<12500
8/24/00				9.24†	13.32	No sheen or odor	52000	ND <5000	ND <5000	ND <5000	ND <5000	170000	ND <5000	ND <20000	ND <5000	None Detected<5000
11/22/00				9.08†	13.48	No sheen or odor	69000	ND <10000	ND <10000	ND <10000	ND <10000	160000	ND <10000	ND <40000	ND <10000	None Detected<10000
2/22/01				7.58†	14.98	No sheen or odor	30000	ND <5000	ND <5000	ND <5000	ND <5000	130000	ND <5000	ND <20000	ND <5000	None Detected<5000
5/29/01				8.76†	13.80	No sheen or odor	29000	ND <2500	ND <2500	ND <2500	ND <2500	78000	ND <2500	ND <10000	ND <2500	None Detected<2500
8/22/01				9.46†	13.10	No sheen or	37000	ND <5000	ND <5000	ND <5000	ND <5000	98000	ND <5000	ND <20000	ND <5000	None Detected<5000
12/06/01				8.06†	14.50	No sheen or odor	33000	ND <5000	ND <5000	ND <5000	ND <5000	94000	ND <5000	ND <20000	ND <5000	None Detected<5000
3/25/02				7.62†	14.94	No sheen or odor	ND<50	ND <2500	ND <2500	ND <2500	ND <2500	62000	ND <2500	NA	ND <2500	None Detected<2500
7/02/02				7.78†	14.78	No sheen or odor	73Z	ND <2000	ND <2000	ND <2000	ND <2000	67000	NND <2000	NA	ND <2000	None Detected<2000
10/05/02				9.38†	13.18	No sheen or odor	25000●	ND <2500	ND <2500	ND <2500	ND <2500	55000	ND <2500	ND <10000	ND <2500	Methylene Chloride 7000

**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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
1/17/03	MW-3 (22.56)	16	5-15	7.46†	15.10	No sheen or odor	32000 <sup>a</sup>	ND <2500	ND <2500	ND <2500	ND <2500	49000	ND <2500	ND <5000	ND <2500	None Detected<2500
4/17/03				8.22†	14.34	No sheen or odor	ND <10000	ND <100	ND <100	ND <100	ND <100	38000	ND <100	NA	ND <100	None Detected<100
7/24/03				9.02†	13.54	No sheen or odor	16000 <sup>a</sup>	ND <2500	ND <2500	ND <2500	ND <2500	31000	ND <2500	ND <5000	ND <2500	None Detected<2500
10/22/03				9.66†	12.90	No sheen or odor	17000 <sup>c</sup>	ND <2500	ND <2500	ND <2500	ND <2500	29000	ND <2500	ND <5000	ND <2500	None Detected<2500
1/17/04				7.92†	14.64	No sheen or odor	11000 <sup>d</sup>	ND <2000	ND <2000	ND <2000	ND <2000	23000	ND <2000	ND <4000	ND <2000	None Detected<2000
4/05/04				7.46†	15.10	No sheen or odor	13000 <sup>n</sup>	ND <200	ND <200	ND <200	ND <400	22000	ND <200	ND <4000	ND <200	None Detected<200
7/06/04				8.92†	13.64	No sheen or odor	13000 <sup>e</sup>	ND <50	ND <50	ND <50	ND <100	12000	ND <50	ND <1000	ND <50	None Detected<50
9/27/04				9.24†	13.32	No sheen or odor	4200 <sup>e</sup>	ND <50	ND <50	ND <50	ND <100	6800	ND <50	ND <1000	ND <50	None Detected<50
12/17/04				8.12†	14.44	No sheen or odor	4000 <sup>c</sup>	ND <50	ND <50	ND <50	ND <50	5400	ND <50	ND <1000	ND <50	None Detected<50
3/21/05				7.38†	15.18	No sheen or odor	3500 <sup>c</sup>	ND<50	ND<50	ND<50	ND<50	6400	ND<50	4300	ND<50	None Detected<50
6/18/05				8.02†	14.54	No sheen or odor	650	ND<25	ND<25	ND<25	ND<25	700	ND<25	9200	ND<25	None Detected<25
9/15/05				8.64†	13.92	No sheen or odor	180	ND<10	ND<10	ND<10	ND<10	110	ND<10	7300	ND<10	None Detected<10
12/09/05				8.42†	14.14	No sheen or odor	ND<50	ND<5	ND<5	ND<5	ND<5	15	ND<5	2500	ND<5	None Detected<5
3/16/06				7.24†	15.32	No sheen or odor	ND <50	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <5	ND <2.5	1600	ND <2.5	None Detected<2.5
6/20/06				8.18†	14.38	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	8.6	ND <0.5	12	ND <0.5	None Detected<0.5
9/21/06				8.82†	13.74	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	8.6	ND <0.5	39	ND <0.5	None Detected<0.5
12/14/06				7.88†	14.68	No sheen or odor	81	ND <0.5	ND <0.5	ND <0.5	ND <0.5	6.1	ND <0.5	14	ND <0.5	None Detected<0.5
3/12/07				7.78†	14.78	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	2.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/14/07	(22.19)★ resurveyed			9.56†	12.60	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	4.6	ND <0.5	21	ND <0.5	None Detected<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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
9/24/07	MW-3 (22.19)	16	5-15	9.17†	13.02	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	3.3	ND <0.5	21	ND <0.5	None Detected<0.5
3/12/08				7.66†	14.53	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.7	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/10/08				9.30†	12.89	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	1.3	ND <1	ND <10	ND <1	None Detected<1
3/16/09				7.78†	14.41	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.92h	ND <1	ND <10	ND <1	None Detected<1
9/09/09				9.84†	12.35	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.87h	ND <1	ND <10	ND <1	None Detected<1
2/15/10				7.36†	14.83	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.76h	ND <1	ND <10	ND <1	None Detected<1
8/12/10				8.85†	13.34	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	1.2	ND <1	ND <10	ND <1	None Detected<1
8/26/98	MW-4 (23.51) feet (MSL)	20	10-20	9.87*	13.64	N/A	170	2	0.74	1.3	1	150	NA	NA	NA	Not Analyzed
1/26/99				8.54*	14.97	N/A	140	ND <0.5	ND <0.5	ND <0.5	ND <0.5	7.6	NA	NA	NA	Not Analyzed
4/06/99				8.34*	15.17	N/A	390	3.94	ND <0.5	1.52	0.808	15.2	NA	NA	NA	Not Analyzed
5/24/00	(23.40) resurveyed			8.72*	14.68	No sheen or odor	210	ND <5	ND <5	ND <5	ND <5	40	ND <5	ND <20	ND <5	None Detected<5
8/24/00				9.88*	13.52	No sheen or odor	160	ND<5	7.4	ND<5	ND<5	44	ND<5	ND<20	ND<5	None Detected<5
11/22/00				9.76*	13.64	No sheen or odor	140	ND<5	ND<5	ND<5	ND<5	25	ND<5	ND<20	ND<5	None Detected<5
2/22/01				8.42*	14.98	No sheen or odor	160	ND<5	ND<5	ND<5	ND<5	32	ND<5	ND<20	ND<5	None Detected<5
5/29/01				9.42*	13.98	No sheen or odor	160	ND<5	ND<5	ND<5	ND<5	31	ND<5	ND<20	ND<5	None Detected<5
8/22/01				10.10†	13.30	No sheen or odor	96	N<5	ND<5	ND<5	ND<5	28	ND<5	ND<20	ND<5	None Detected<5
12/06/01				8.68*	14.72	No sheen or odor	160	ND<5	ND<5	ND<5	ND<5	25	ND<5	ND<20	ND<5	None Detected<5
3/25/02				8.28*	15.12	No sheen or odor	150	ND<5	ND<5	ND<5	ND<5	14	ND<5	NA	ND<5	None Detected<5
7/02/02				9.36*	14.04	No sheen or odor	120	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	NA	ND<5	None Detected<5
10/05/02				10.12†	13.28	No sheen or odor	110	ND<5	ND<5	ND<5	ND<5	53	ND<5	ND<20	ND<5	None Detected<5
1/17/03				8.10*	15.30	No sheen or odor	86c	ND<5	ND<5	ND<5	ND<5	23	ND <05	NA	ND <0.5	Naphthalene 0.81



**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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs by EPA 8260B
4/17/03	MW-4 (23.40)	20	10-20	8.88*	14.52	No sheen or odor	110	3	2.8	1.1	2.84	89	ND<5	ND<10	ND<5	None Detected<5
7/24/03				9.74*	13.66	No sheen or odor	130•	ND<5	ND<5	ND<5	ND<5	71	ND<5	ND<10	ND<5	None Detected<5
10/22/03				10.40†	13.00	No sheen or odor	130b	ND<5	ND<5	ND<5	ND<5	81	ND<5	ND<10	ND<5	None Detected<5
1/17/04				8.72*	14.68	No sheen or odor	180d	ND <5	ND <5	ND <5	ND <5	65	ND <0.5	ND <10	ND <0.5	None Detected<0.5
4/05/04				8.48*	14.92	No sheen or odor	94	ND <0.5	ND <0.5	ND <0.5	ND <1	38	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/06/04				9.67*	13.73	No sheen or odor	61e	ND <0.5	ND <0.5	ND <0.5	ND <1	79	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/27/04				10.02†	13.38	No sheen or odor	230	3.8	0.8	1.3	2.3	57	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/17/04				8.88*	14.52	No sheen or odor	430	62	68	13	53	42	ND <0.5	ND <10	ND <0.5	1,2,4-Trimethylbenzene 6.9
3/21/05				8.02*	15.38	No sheen or odor	71	2.3	5.1	1.2	6.9	15	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/18/05				8.72*	14.68	No sheen or odor	98	ND <0.5	ND <0.5	ND <0.5	ND <0.5	29	ND <0.5	11	ND <0.5	None Detected<0.5
9/15/05				9.38*	14.02	No sheen or odor	150	ND <0.5	ND <0.5	ND <0.5	ND <0.5	35	ND <0.5	12	ND <0.5	None Detected<0.5
12/09/05				9.20*	14.20	No sheen or odor	110	ND <0.5	ND <0.5	ND <0.5	ND <0.5	23	ND <0.5	14	ND <0.5	None Detected<0.5
3/16/06				7.88*	15.52	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	12	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/20/06				8.86*	14.54	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	9.8	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/21/06				9.54*	13.86	No sheen or odor	65	ND <0.5	ND <0.5	ND <0.5	ND <0.5	12	ND <0.5	ND <10	ND <0.5	None Detected<0.5
12/14/06				8.76*	14.64	No sheen or odor	75	ND <0.5	ND <0.5	ND <0.5	ND <0.5	7	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/12/07				8.56*	14.84	No sheen or odor	140	ND <0.5	ND <0.5	ND <0.5	ND <0.5	8.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
6/14/07	(23.14)☆ resurveyed			10.28†	12.86	No sheen or odor	150	ND <0.5	ND <0.5	ND <0.5	ND <0.5	9.7	ND <0.5	ND <10	ND <0.5	None Detected<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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
9/24/07	MW-4 (23.14)	20	10-20	9.88*	13.26	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.8	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/12/08				8.32*	14.82	No sheen or odor	64	ND <0.5	ND <0.5	ND <0.5	ND <0.5	3	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/10/08				10.02†	13.12	No sheen or odor	37h	ND <1	ND <1	ND <1	ND <2	1.2	ND <1	ND <10	ND <1	None Detected<1
3/16/09				8.46*	14.68	No sheen or odor	67.4	ND <1	ND <1	ND <1	ND <2	1.7	ND <1	ND <10	ND <1	None Detected<1
9/09/09				10.62†	12.52	No sheen or odor	94.5	ND <1	ND <1	ND <1	ND <2	2.4	ND <1	ND <10	ND <1	None Detected<1
2/15/10				7.98*	15.16	No sheen or odor	52	ND <1	ND <1	ND <1	ND <2	0.81h	ND <1	ND <10	ND <1	None Detected<1
8/12/10				9.61*	13.53	No sheen or odor	59.3	ND <1	ND <1	ND <1	ND <2	0.95h	ND <1	ND <10	ND <1	None Detected<1
8/26/98	MW-5 (23.85) feet (MSL)	20	10-20	10.51†	13.34	N/A	6600	240	ND <50	380	84	ND <250	NA	NA	NA	Not Analyzed
1/26/99				10.26†	13.59	N/A	371	11.7	ND <0.5	3.22	ND <0.5	36.4	NA	NA	NA	Not Analyzed
4/06/99				9.32*	14.53	N/A	7680	266	ND <10	280	ND <10	ND<10	NA	NA	NA	Not Analyzed
5/24/00	(23.86) resurveyed			9.39*	14.47	Rainbow sheen No odor	3300	180	ND <25	140	ND <25	200	ND <25	ND <100	ND <25	Isopropylbenzene 55 n-Butylbenzene 42 n-Propylbenzene 200 Naphthalene 120
8/24/00				10.54†	13.32	Light rainbow sheen No odor	3200	150	ND <10	91	ND <10	300	ND <10	ND <40	ND <10	1,2,4-Trimethylbenzene 15 Isopropylbenzene 38 n-Butylbenzene 29 n-Propylbenzene 140 Naphthalene 87 p-Isopropyltoluene 28 sec-Butylbenzene 12
11/22/00				10.42†	13.44	No sheen Light sewerage odor	520	120	ND <25	46	ND <25	510	ND <25	ND <100	ND <25	Isopropylbenzene 31 n-Propylbenzene 100 Naphthalene 37

**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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
2/22/01	MW-5 (23.86)	20	10-20	8.88*	14.98	No sheen or odor	5400	100	ND <50	94	ND <50	700	ND <50	ND <200	ND <50	n-Propylbenzene 160 Naphthalene 90
5/29/01				10.08†	13.78	Rainbow sheen No odor	3700	83	ND <50	58	ND <50	860	ND <50	ND <200	ND <50	n-Propylbenzene 130 Naphthalene 64
8/22/01				10.76†	13.10	Light rainbow sheen No odor	5900	150	ND <10	ND <10	ND <10	1700	ND <5	ND <20	ND <5	None Detected<5
12/06/01				9.48*	14.38	Rainbow sheen Light petroleum odor	4900	ND <50	ND <50	ND <50	ND <50	1900	ND <50	ND <200	ND <50	None Detected<50
3/25/02				9.08*	14.78	No sheen or odor	4000	170	ND <83	ND <83	ND <83	2200	ND <83	NA	ND <83	Propylbenzene 180
7/02/02				10.02†	13.84	No sheen or odor	6100	ND <130	ND <130	ND <130	ND <130	2600	ND <130	NA	ND <130	Propylbenzene 240
10/05/02				10.72†	13.14	No sheen or odor	5500	110	ND <100	ND <100	ND <100	2500	ND <100	ND <400	ND <100	n-Propylbenzene 230 Naphthalene 120
1/17/03				8.76*	15.10	No sheen or odor	3900 <sup>a</sup>	ND <100	ND <100	ND <100	ND <100	2000	ND <100	310	ND <100	n-Propylbenzene 140
4/17/03				9.58*	14.28	No sheen or odor	7500	110	ND <10	61	ND <10	3500	ND <10	NA	ND <10	Isopropylbenzene 71 n-Propylbenzene 270 sec-Butylbenzene 21 Naphthalene 140
7/24/03				10.36†	13.50	No sheen or odor	7000 <sup>a</sup>	ND <250	ND <250	ND <250	ND <250	3300	ND <250	520	ND <250	None Detected<250
10/22/03				11.02†	12.84	No sheen Sewerage odor	7100	ND <500	ND <500	ND <500	ND <500	6100	ND <500	ND <1000	ND <500	None Detected<500
1/17/04				9.30*	14.56	No sheen Sewerage odor	7100 <sup>n</sup>	ND <500	ND <500	ND <500	ND <500	4200	ND <500	ND <1000	ND <500	None Detected<500
4/05/04				9.06*	14.80	No sheen Light sewerage odor	6200 <sup>n</sup>	100	ND <50	ND <50	ND <100	4800	ND <50	ND <1000	ND <50	None Detected<50
7/06/04				10.30†	13.56	No sheen Sewerage odor	7800	110	ND <25	44	ND <50	5600	ND <25	ND <500	ND <25	Isopropylbenzene 81 n-Propylbenzene 350
9/27/04				10.92†	12.94	No sheen Sewerage odor	6100 <sup>e</sup>	83	ND <50	ND <50	ND <100	4000	ND <50	ND <1000	ND <50	None Detected<50
12/17/04				9.47*	14.39	Slight sheen Sewerage odor	5700	110	54	27	ND <25	4200	ND <25	ND <500	ND <25	None Detected<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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
3/21/05	MW-5 (23.86)	20	10-20	8.58*	15.28	No sheen Sewerage odor	5600	60	ND <50	ND <50	ND <50	4600	ND <50	1300	ND <50	None Detected<50
6/18/05				9.32*	14.54	Rainbow sheen Petroleum odor	8100	66	ND <50	ND <50	ND <50	4800	ND <50	1400	ND <50	None Detected<50
9/15/05				10.02†	13.84	Rainbow sheen Petroleum odor	7600	ND <50	ND <50	ND <50	ND <50	4500	ND <50	1500	ND <50	None Detected<50
12/09/05				9.82*	14.04	Rainbow sheen Petroleum odor	5000	28	ND <25	ND <25	ND <25	2600	ND <25	1300	ND <25	None Detected<25
3/16/06				8.50*	15.36	Rainbow sheen No odor	6000	33	ND <25	ND <25	ND <25	3000	ND <25	1400	ND <25	n-Propylbenzene 310
6/20/06				9.50*	14.36	Rainbow sheen Petroleum odor	7100	21	ND <10	16	ND <10	1200	ND <10	900	ND <10	n-Propylbenzene 260 Naphthalene 200
9/21/06				10.20†	13.66	Rainbow sheen Petroleum odor	3100	20	ND <10	14	ND <10	1000	ND <10	1400	ND <10	n-Propylbenzene 240 Naphthalene 120
12/14/06				9.26*	14.60	Rainbow sheen No odor	4800	11	ND <5	12	ND <5	440	ND <5	740	ND <5	n-Propylbenzene 190 Naphthalene 84
3/12/07				9.04*	14.82	Rainbow sheen No odor	5700	12	ND <5	15	ND <5	430	ND <5	850	ND <5	Isopropylbenzene 63 n-Propylbenzene 240 Naphthalene 88
6/14/07	(23.66)☆ resurveyed			10.94†	12.72	Rainbow sheen Petroleum odor	5000	18	ND <10	21	ND <10	480	ND <10	1100	ND <10	n-Propylbenzene 320
9/24/07				10.50†	13.16	Rainbow sheen Petroleum odor	4400	7.2	ND <2.5	8.9	ND <2.5	200	ND <2.5	470	ND <2.5	Isopropylbenzene 45 n-Butylbenzene 28 n-Propylbenzene 170 Naphthalene 66
3/12/08				8.96*	14.70	Rainbow sheen Petroleum odor	4400	5.2	ND <2.5	9.2	ND <2.5	75	ND <2.5	240	ND <2.5	n-Butylbenzene 42 n-Propylbenzene 200 Naphthalene 48
9/10/08				10.68†	12.98	Rainbow sheen Petroleum odor	1600	4.6h	ND <5	7.5	ND <10	65.4	ND <5	223	ND <5	n-Butylbenzene 32 sec-Butylbenzene 15.5h Isopropylbenzene 50.7 Naphthalene 66.9 n-Propylbenzene 182

**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	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
3/16/09	MW-5 (23.66)	20	10-20	9.02*	14.64	Rainbow oily sheen No odor	1720	3h	ND <5	5.7	ND <10	38.3	ND <5	145	ND <5	n-Butylbenzene 26.3 sec-Butylbenzene 12.9h Isopropylbenzene 42 Naphthalene 41.1 n-Propylbenzene 136
9/09/09				11.22†	12.44	No sheen Petroleum odor	1610	3.8h	ND <4	7.7	ND <8	38.5	ND <4	174	ND <4	n-Butylbenzene 40.1 sec-Butylbenzene 18h Isopropylbenzene 59.1 Naphthalene 79 n-Propylbenzene 230
2/15/10				8.54*	15.12	No sheen Sewerage odor	1680	ND <4	ND <4	6.5	ND <8	23.1	ND <4	121	ND <4	n-Butylbenzene 32.5 sec-Butylbenzene 15.3h Isopropylbenzene 55.7 Naphthalene 49.4 n-Propylbenzene 175
8/11/10				10.24†	13.42	Rainbow sheen Petroleum odor	1530	2.2	ND <2	8.1	ND <4	17.7	ND <2	155	ND <2	n-Butylbenzene 34.9 sec-Butylbenzene 15.4 Isopropylbenzene 57.9 Naphthalene 72.7 n-Propylbenzene 182
6/14/07	STMW-6 (20.84)☆	22	7-22	8.88†	11.96	No sheen or odor	500f	ND <50	ND <50	ND <50	ND <50	3800	ND <50	ND <1000	ND <50	None Detected<50
9/24/07				8.38†	12.46	No sheen or odor	760	ND <12	ND <12	ND <12	ND <12	1900	ND <12	ND <250	ND <12	None Detected<12
3/12/08				6.68*	14.16	No sheen or odor	360g	ND <12	ND <12	ND <12	ND <12	950	ND <12	ND <250	ND <12	None Detected<12
9/10/08				8.54†	12.30	No sheen or odor	493g	ND <10	ND <10	ND <10	ND <20	673	ND <10	ND <100	ND <10	None Detected<10
3/16/09				6.64*	14.20	No sheen or odor	124i	ND <2.5	ND <2.5	ND <2.5	ND <5	184	ND <2.5	ND <25	ND <2.5	None Detected<2.5
9/09/09				9.00†	11.84	No sheen or odor	62.2i	ND <1	ND <1	ND <1	ND <2	70.2	0.33h <10	ND <10	ND <1	None Detected<1
2/15/10				6.18*	14.66	No sheen or odor	40.6hi	ND <1	ND <1	ND <1	ND <2	57.5	0.63h <10	16.3	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 of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
8/11//10	STMW-6 (20.84)	22	7-22	7.97†	12.87	No sheen or odor	36.2hi	ND <1	ND <1	ND <1	ND <2	41.2	0.67h	ND <10	ND <1	None Detected<1
6/14/07	STMW-7 (22.53)☆	22	7-22	9.98†	12.55	No sheen or odor	64	ND <0.5	ND <0.5	ND <0.5	ND <0.5	8.7	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/24/07				9.67†	12.86	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	3.9	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/12/08				7.80†	14.73	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.9	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/10/08				9.68†	12.85	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.79h	ND <1	ND <10	ND <1	None Detected<1
3/16/09				7.88†	14.65	No sheen or odor	41.8h	ND <1	ND <1	ND <1	ND <2	1.6	ND <1	ND <10	ND <1	None Detected<1
9/09/09				10.22†	12.31	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	1.4	ND <1	ND <10	ND <1	None Detected<1
2/15/10				7.44†	15.09	No sheen or odor	30h	ND <1	ND <1	ND <1	ND <2	1.4	ND <1	ND <10	ND <1	None Detected<1
8/11/10				9.24†	13.29	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.61h	ND <1	ND <10	ND <1	None Detected<1
6/14/07	STMW-8 (21.06)☆	23	8-23	8.86†	12.20	No sheen or odor	120	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
9/24/07				8.40†	12.66	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
3/12/08				6.70*	14.36	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
9/11/08				8.58†	12.48	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
3/16/09				6.62*	14.44	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
9/09/09				9.04†	12.02	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
2/15/10				6.13*	14.93	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/11/10				8.11†	12.95	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	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 of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
6/14/07	STMW-9 (21.94)☆	22	7-22	9.54†	12.40	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
9/24/07				9.04†	12.90	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
3/12/08				7.30†	14.64	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
9/10/08				9.20†	12.74	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
3/17/09				7.24†	14.70	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
9/09/09				9.74†	12.20	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.63h <1	ND <1	ND <10	ND <1	None Detected<1
2/15/10				6.76*	15.18	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/11/10				8.79†	13.15	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
6/14/07	STMW-10 (21.15)☆	22	7-22	9.44†	11.71	No sheen or odor	280	ND <0.5	ND <0.5	ND <0.5	ND <0.5	12	ND <0.5	ND <10	ND <0.5	None Detected<0.5
9/24/07				8.99†	12.16	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	16	ND <0.5	ND <10	ND <0.5	None Detected<0.5
3/12/08				7.18†	13.97	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
9/10/08				12.50†	8.65	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	6	ND <1	ND <10	ND <1	None Detected<1
3/16/09				7.04†	14.11	No sheen or odor	44.7h <1	ND <1	ND <1	ND <1	ND <2	7.1	ND <1	ND <10	ND <1	None Detected<1
9/09/09				9.16†	11.99	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	3.1	ND <1	ND <10	ND <1	None Detected<1
2/15/10				6.53*	14.62	No sheen or odor	30.2h <1	ND <1	ND <1	ND <1	ND <2	3.2	ND <1	ND <10	ND <1	None Detected<1
8/11/10				8.68†	12.47	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.97h <1	ND <1	ND <10	ND <1	None Detected<1

**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** - tert-Butanol

**VOCs** - Volatile Organic Compounds

**MSL** - Mean Sea Level

**N/A** - Not Applicable

**ND** - Not Detected (Below Laboratory Detection Limit)

† Well screens are not submerged

• TPH as gasoline reported value due to high concentrations of MTBE which are present in the TPH as gasoline quantitation range

**a** Report TPH as gasoline value is the result of high concentrations of discrete peak (MTBE) within the TPH as gasoline quantitation range

**b** TPH as gasoline value is the result of high concentrations of MTBE and high boiling point hydrocarbon mixture within the TPH as gasoline quantitation range

**c** Report TPH as gasoline value contains the result of high concentrations of MTBE within the TPH as gasoline quantitation range

**d** TPH as gasoline value contains high concentration of MTBE and a typical gasoline pattern within the TPH as gasoline quantitation range

**e** TPH as gasoline reported value due to high concentrations of MTBE present in the TPH as gasoline

**n** Report TPH as gasoline value contains the result of high concentrations of MTBE within the TPH as gasoline quantitation range.

High surrogate recovery for 4-BFB due to matrix interference. See TFT results.

**f** Value is largely due to MTBE

☆ Groundwater elevation was surveyed based on Horizontal in California Coordinate System 1983, Zone 3. The benchmarks are NGVD 1929 Datum

**g** A typical pattern

**h** Indicates an estimated value

**i** Atypical pattern. Value due to non-target compound(s)

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

**PCE** - Tetrachloroethene

**TCE** - Trichloroethene

**Perf.** - Perforation

**GW Elev.** - Groundwater Elevation

**NA** - Not Analyzed

**Z** - Sample exhibits unknown single peak or peaks

\* Well screens are submerged



**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	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By EPA 8260B
8/12/10	MW-1 (22.56)	15	5-15	9.09†	13.47	No sheen or odor	45.5h	ND <1	ND <1	ND <1	ND <2	0.74h	ND <1	ND <10	ND <1	None Detected<1
8/12/10	MW-2 (21.70)	15	5-15	7.98†	13.72	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/12/10	MW-3 (22.19)	16	5-15	8.85†	13.34	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	1.2	ND <1	ND <10	ND <1	None Detected<1
8/12/10	MW-4 (23.14)	20	10-20	9.61*	13.53	No sheen or odor	59.3	ND <1	ND <1	ND <1	ND <2	0.95h	ND <1	ND <10	ND <1	None Detected<1
8/11/10	MW-5 (23.66)	20	10-20	10.24†	13.42	Rainbow sheen Petroleum odor	1530	2.2	ND <2	8.1	ND <4	17.7	ND <2	155	ND <2	n-Butylbenzene 34.9 sec-Butylbenzene 15.4 Isopropylbenzene 57.9 Naphthalene 72.7 n-Propylbenzene 182
8/11/10	STMW-6 (20.84)	22	7-22	7.97†	12.87	No sheen or odor	36.2hi	ND <1	ND <1	ND <1	ND <2	41.2	0.67h	ND <10	ND <1	None Detected<1
8/11/10	STMW-7 (22.53)	22	7-22	9.24†	13.29	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.61h	ND <1	ND <10	ND <1	None Detected<1
8/11/10	STMW-8 (21.06)	23	8-23	8.11†	12.95	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/11/10	STMW-9 (21.94)	22	7-22	8.79†	13.15	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/11/10	STMW-10 (21.15)	22	7-22	8.68†	12.47	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.97h	ND <1	ND <10	ND <1	None Detected<1

**TABLE 2 CONT'D**  
**RECENT GROUNDWATER MONITORING DATA (feet)**  
**AND ANALYTICAL RESULTS ( $\mu\text{g/L}$ )**

**TPHg** - Total Petroleum Hydrocarbons as gasoline

**MTBE** - Methyl Tertiary Butyl Ether

**TBA** - tert-Butanol

**VOCs** - Volatile Organic Compounds

**GW Elev.** - Groundwater Elevation

† Well screens are not submerged

**h** Indicates an estimated value

**i** A typical pattern. Value due to non-target compound(s)

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

**PCE** - Tetrachloroethene

**TCE** - Trichloroethene

**Perf.** - Perforation

**ND** - Not Detected (Below Laboratory Detection Limit)

\* Well screens are submerged

**TABLE 3**  
**SUMMARY OF MONITORING WELLS DATA**  
**IN FEET**

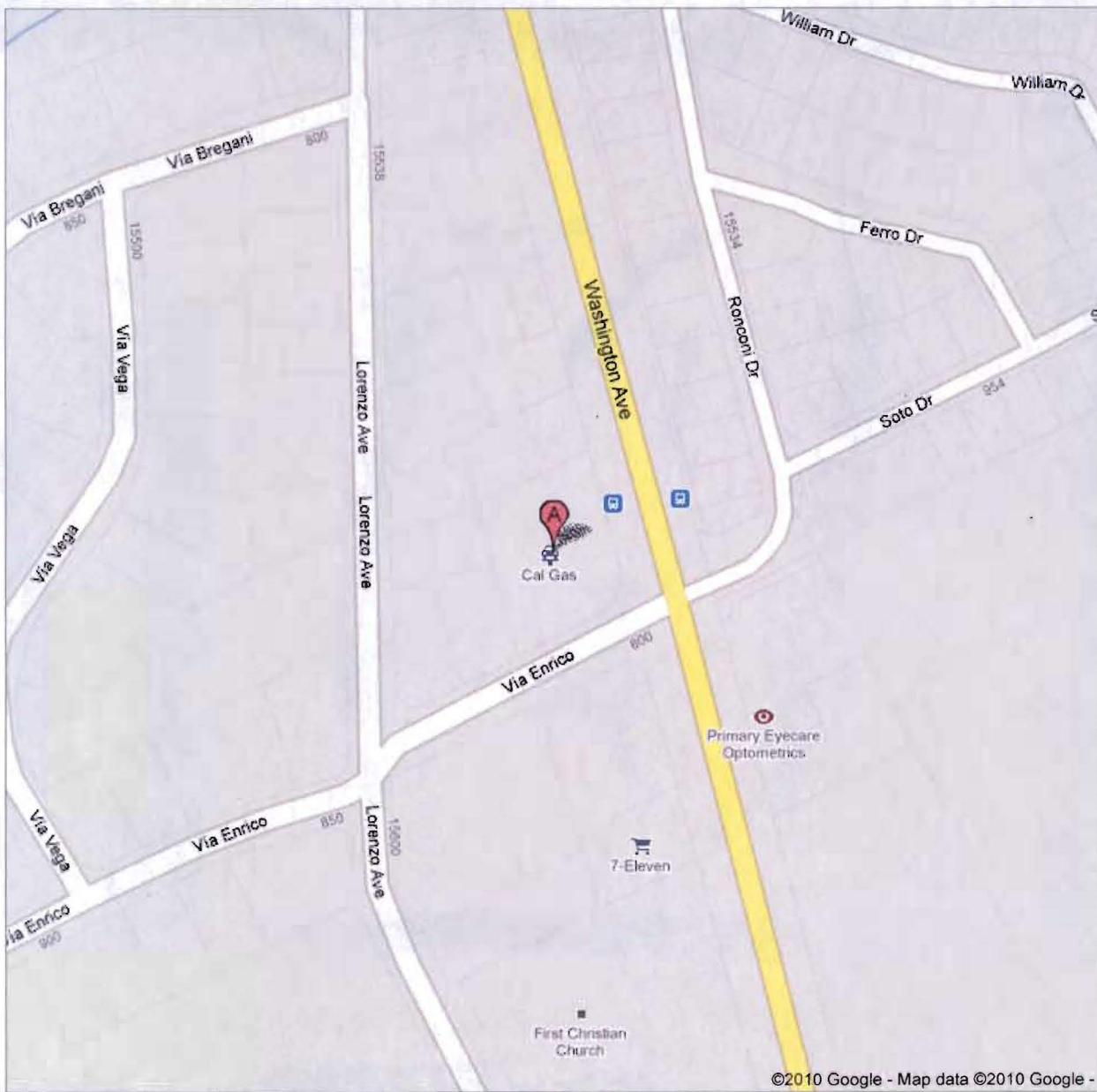
Well No.	Well Diameter (inch)	Depth of Well	Depth of Perforation	Depth of Blank	Depth of Cement	Depth of Bentonite	Depth of Sand
MW-1	2	15	5-15	0-5	0-2	2-3	3-15
MW-2	2	15	5-15	0-5	0-2	2-3	3-15
MW-3	2	16	5-15	0-5	0-2	2-3	3-16
MW-4	2	20	10-20	0-10	0-8½	8½-9½	9½-20
MW-5	2	20	10-20	0-10	0-8½	8½-9½	9½-20
STMW-6	2	22	7-22	0-7	0-5	5-6	6-22
STMW-7	2	22	7-22	0-7	0-5	5-6	6-22
STMW-8	2	23	8-23	0-8	0-6	6-7	7-23
STMW-9	2	22	7-22	0-7	0-5	5-6	6-22
STMW-10	2	22	7-22	0-7	0-5	5-6	5-22

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## **A P P E N D I X "B"**

### **FIGURES**

**ENVIRO SOIL TECH CONSULTANTS**

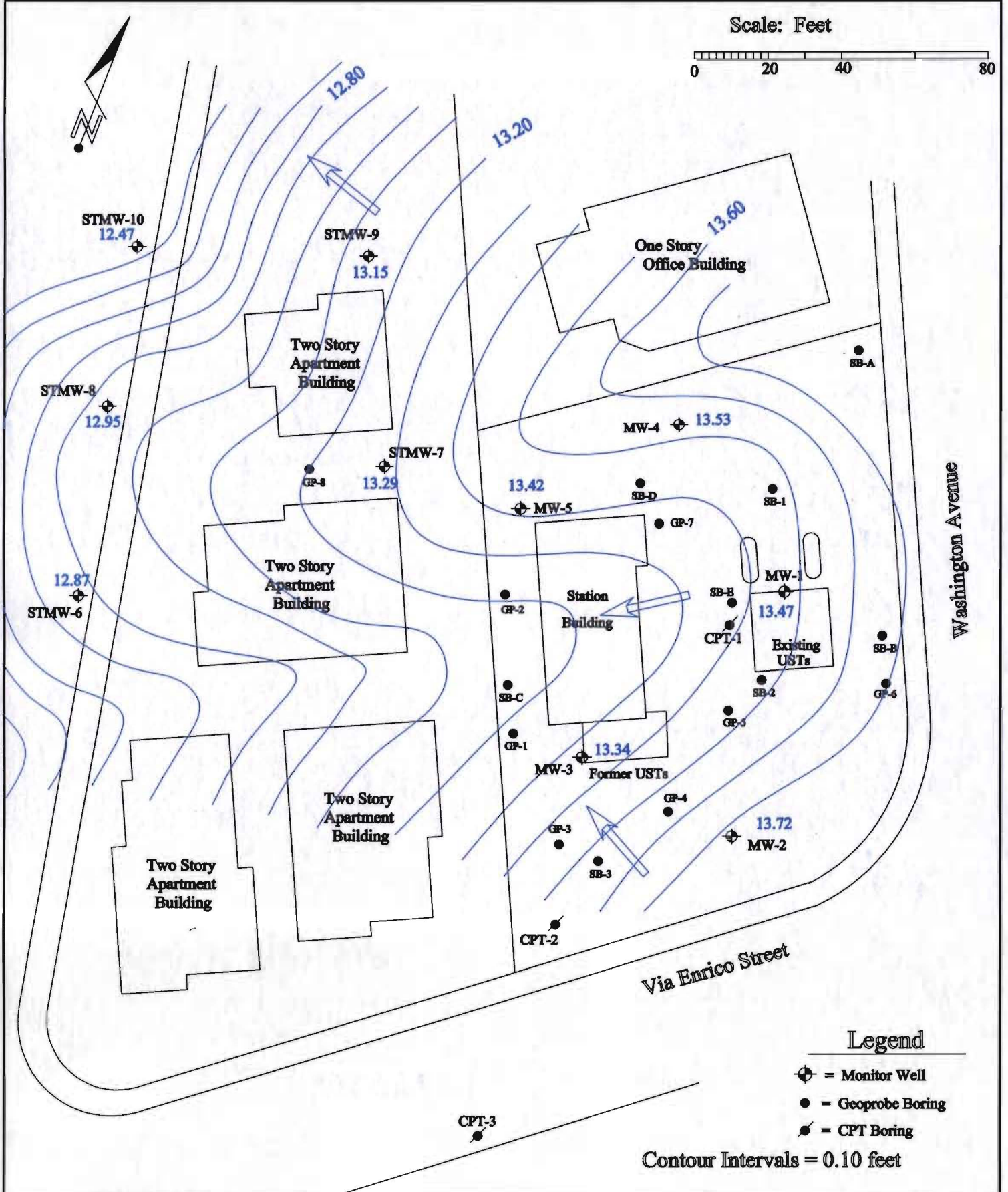
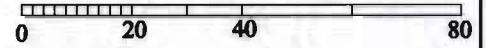


15595 Washington Avenue, San Lorenzo, CA

# ENVIRO SOIL TECH CONSULTANTS

Figure 1

Scale: Feet

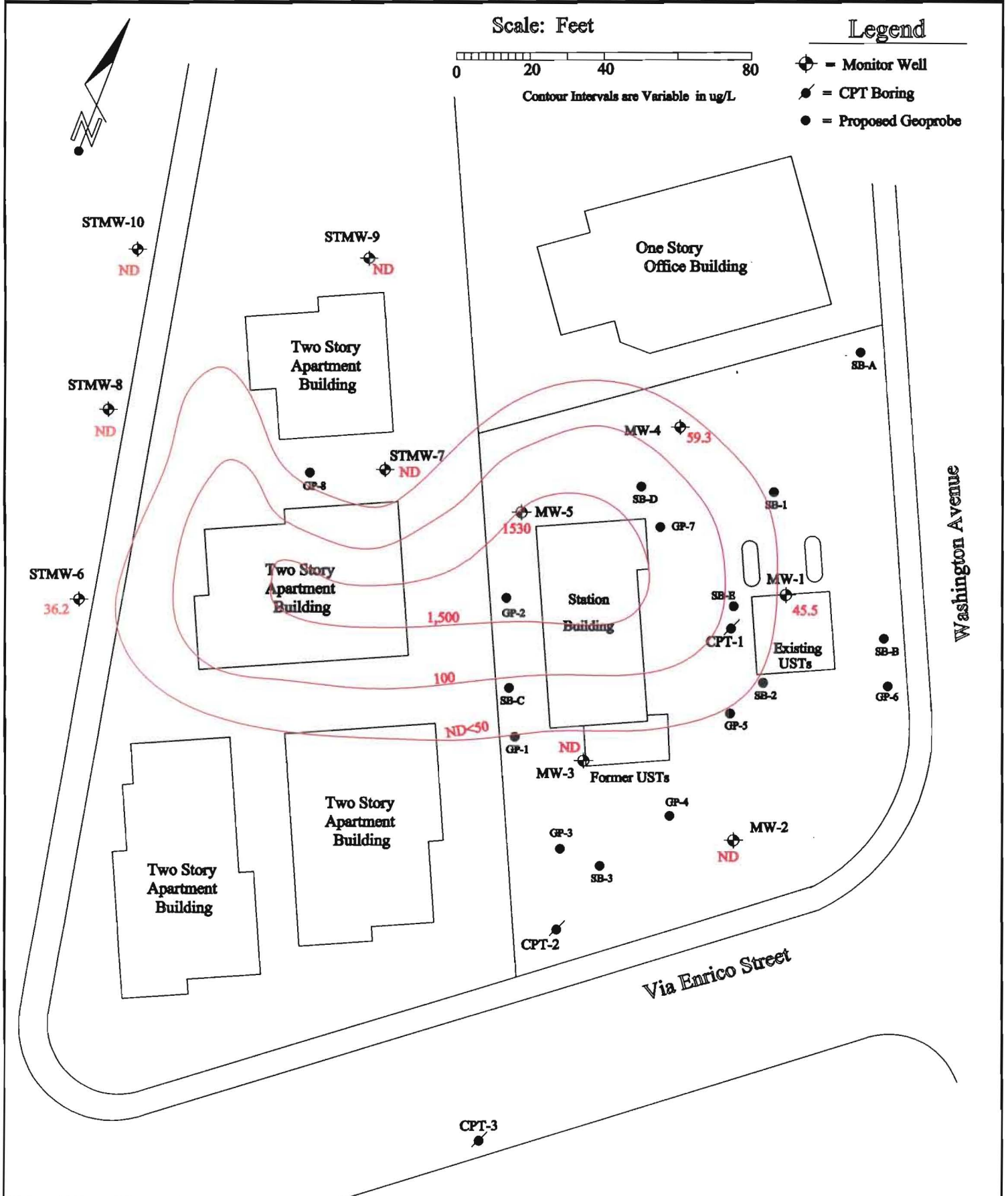


Legend

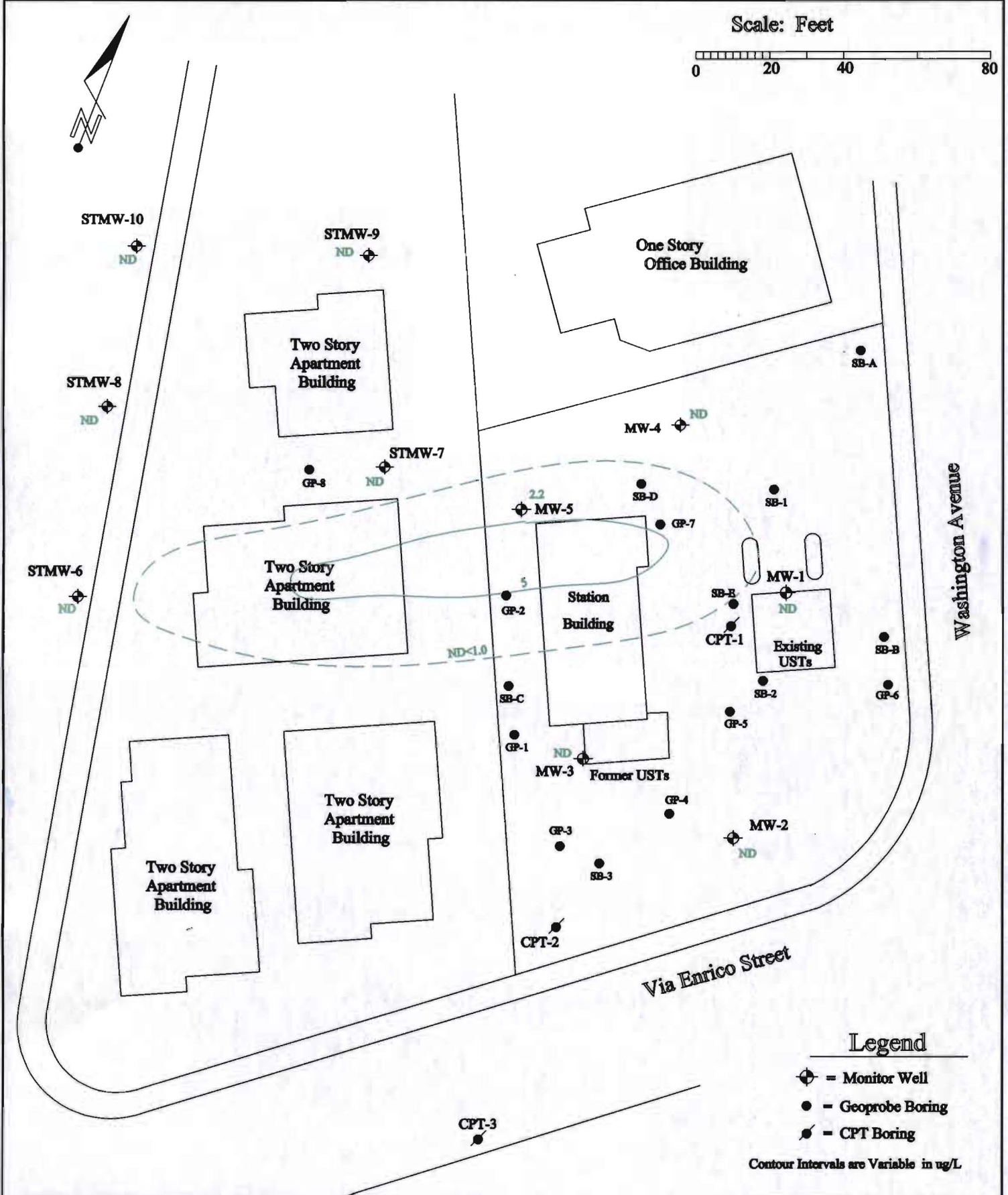
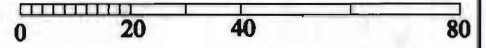
- ⊕ = Monitor Well
- = Geoprobe Boring
- ⦿ = CPT Boring

Contour Intervals = 0.10 feet





Scale: Feet



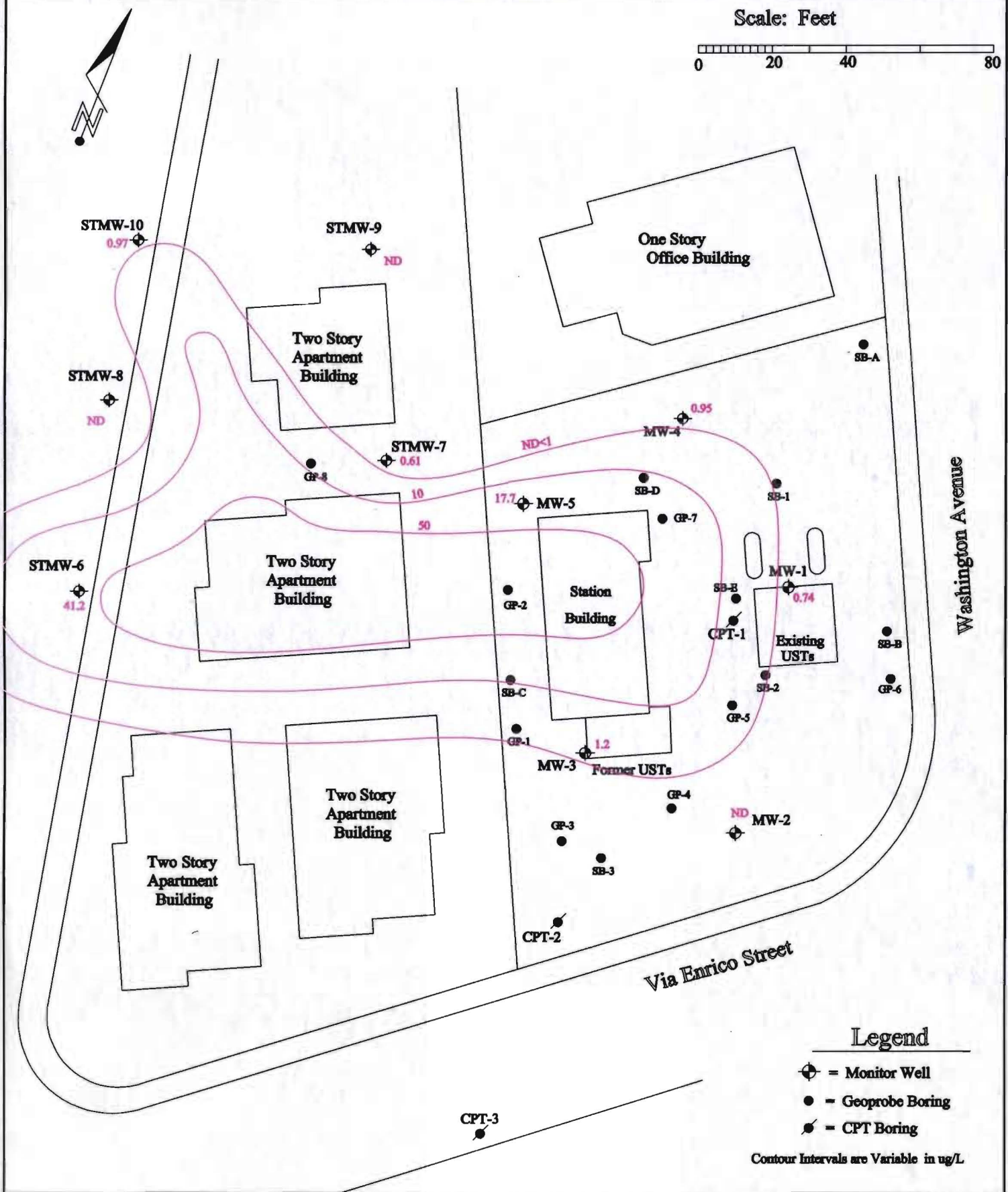
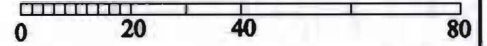
Legend

- ⊕ = Monitor Well
- = Geoprobe Boring
- ⦿ = CPT Boring

Contour Intervals are Variable in ug/L



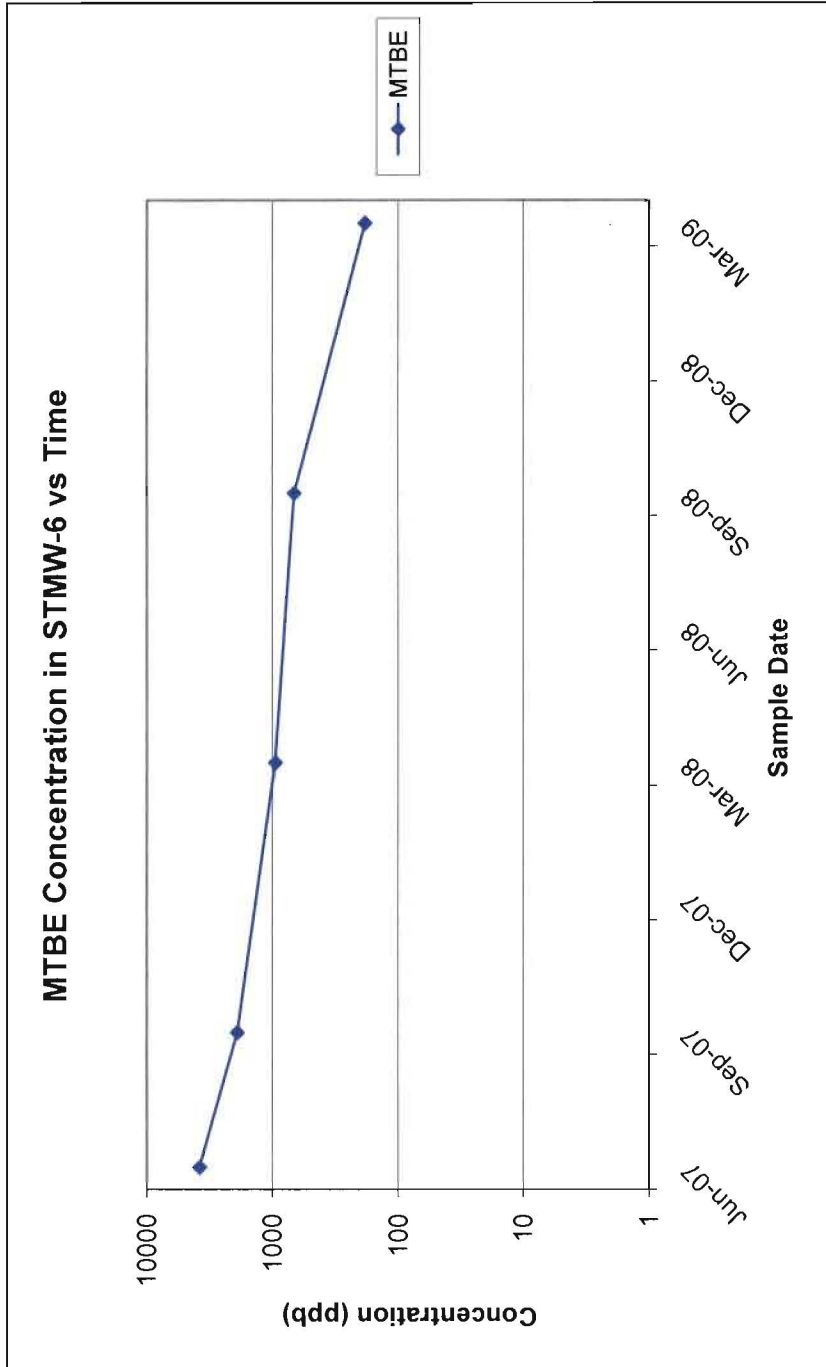
Scale: Feet



Legend

- ⊕ = Monitor Well
- = Geoprobe Boring
- ⚡ = CPT Boring

Contour Intervals are Variable in ug/L



**ENVIRO SOIL TECH CONSULTANTS**

Figure 6

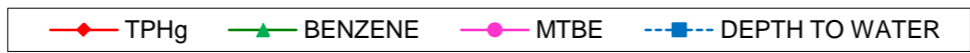
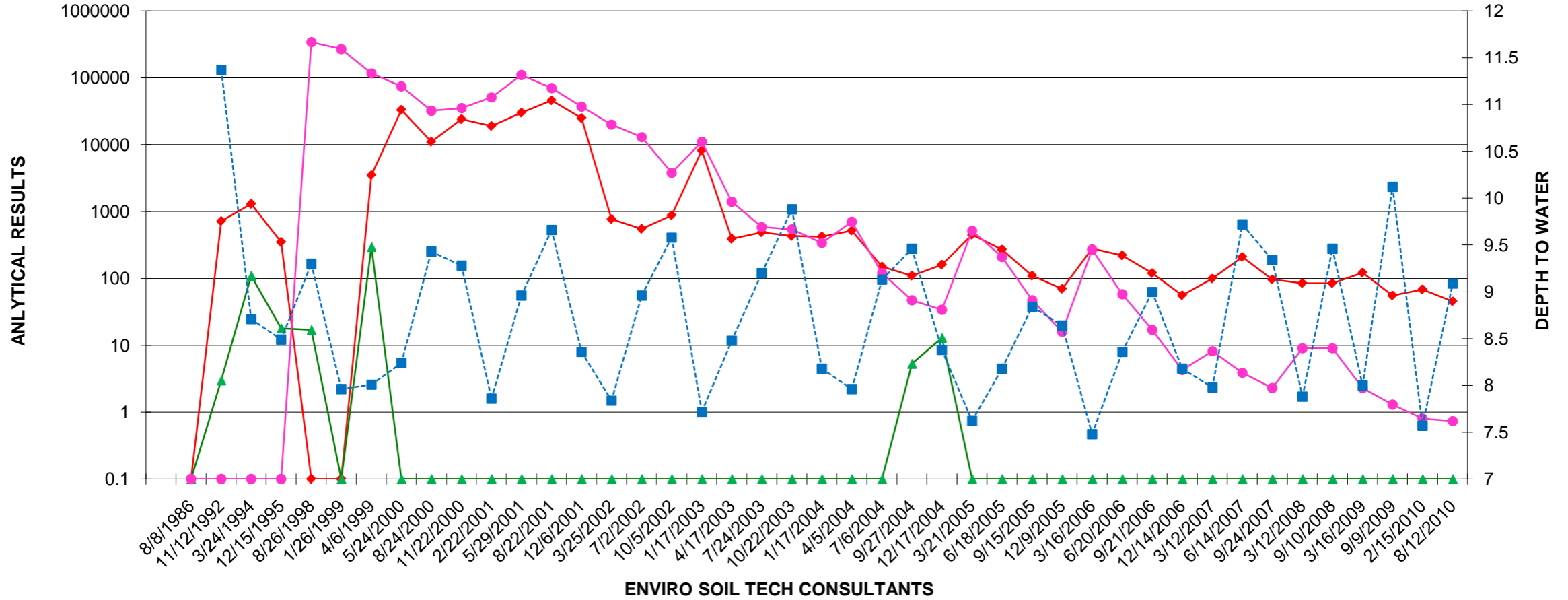
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## **A P P E N D I X "C"**

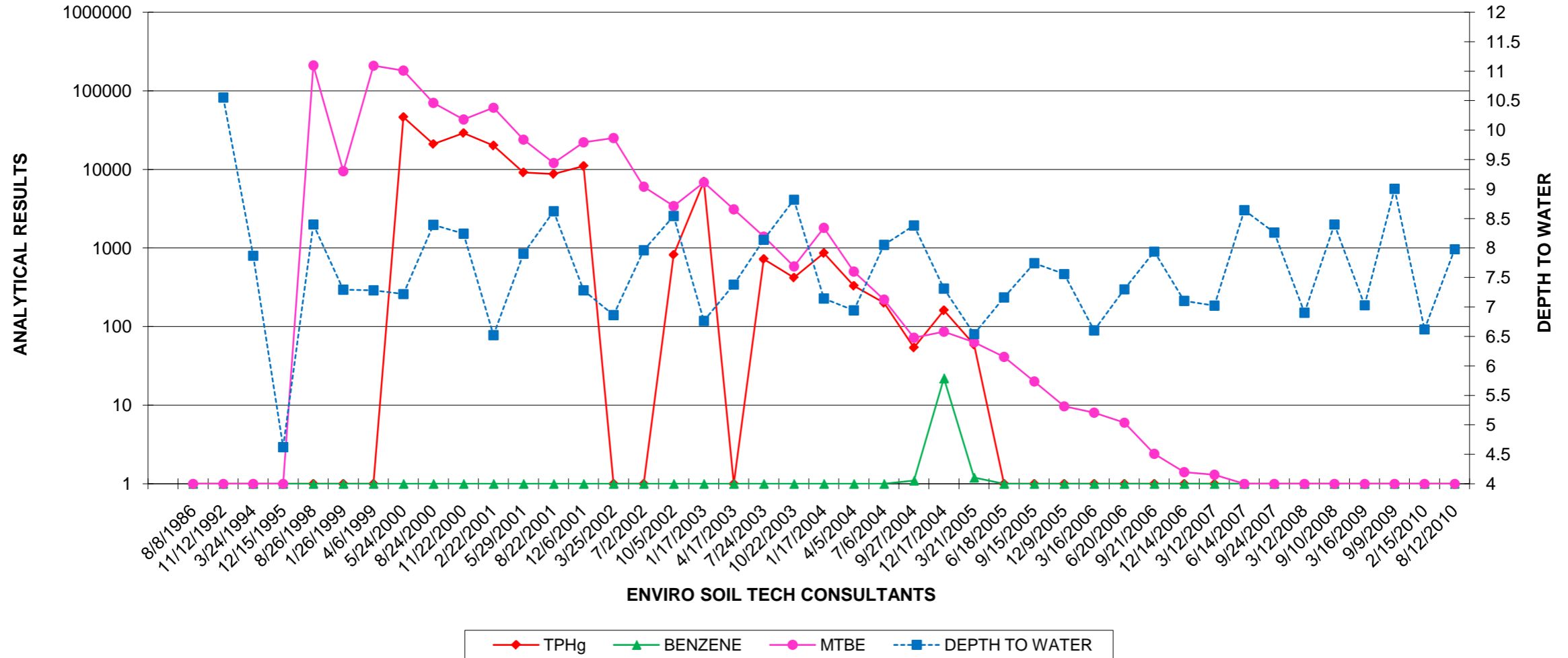
### **HYDROGRAPHS**

**ENVIRO SOIL TECH CONSULTANTS**

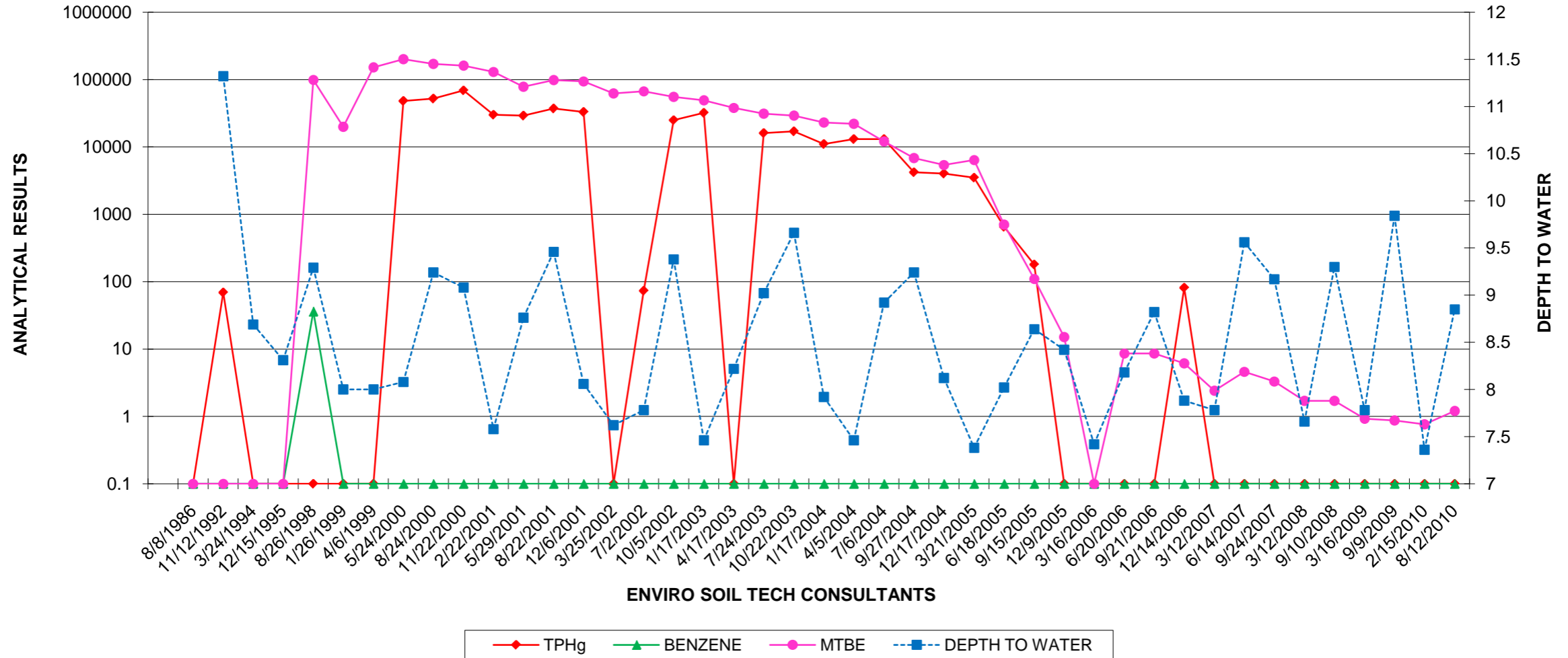
**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE FOR MW-1 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



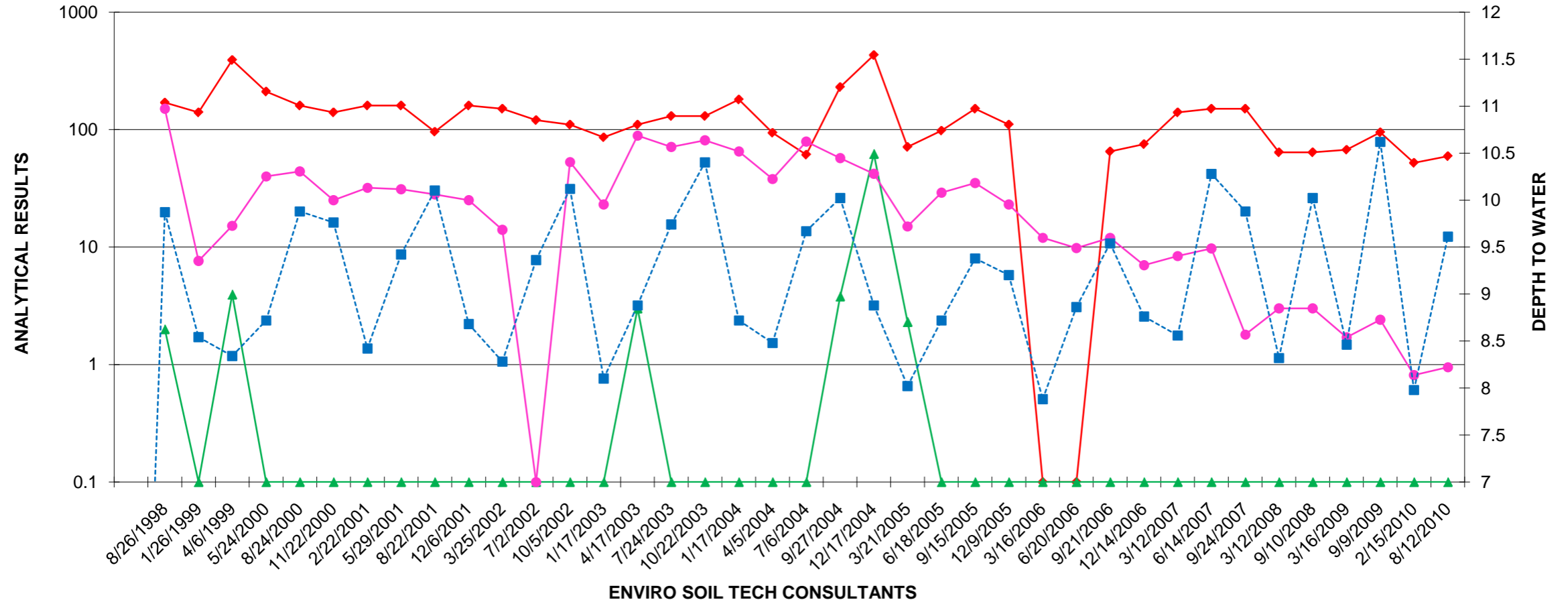
**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE RESULTS FOR MW-2 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE RESULTS FOR MW-3 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**

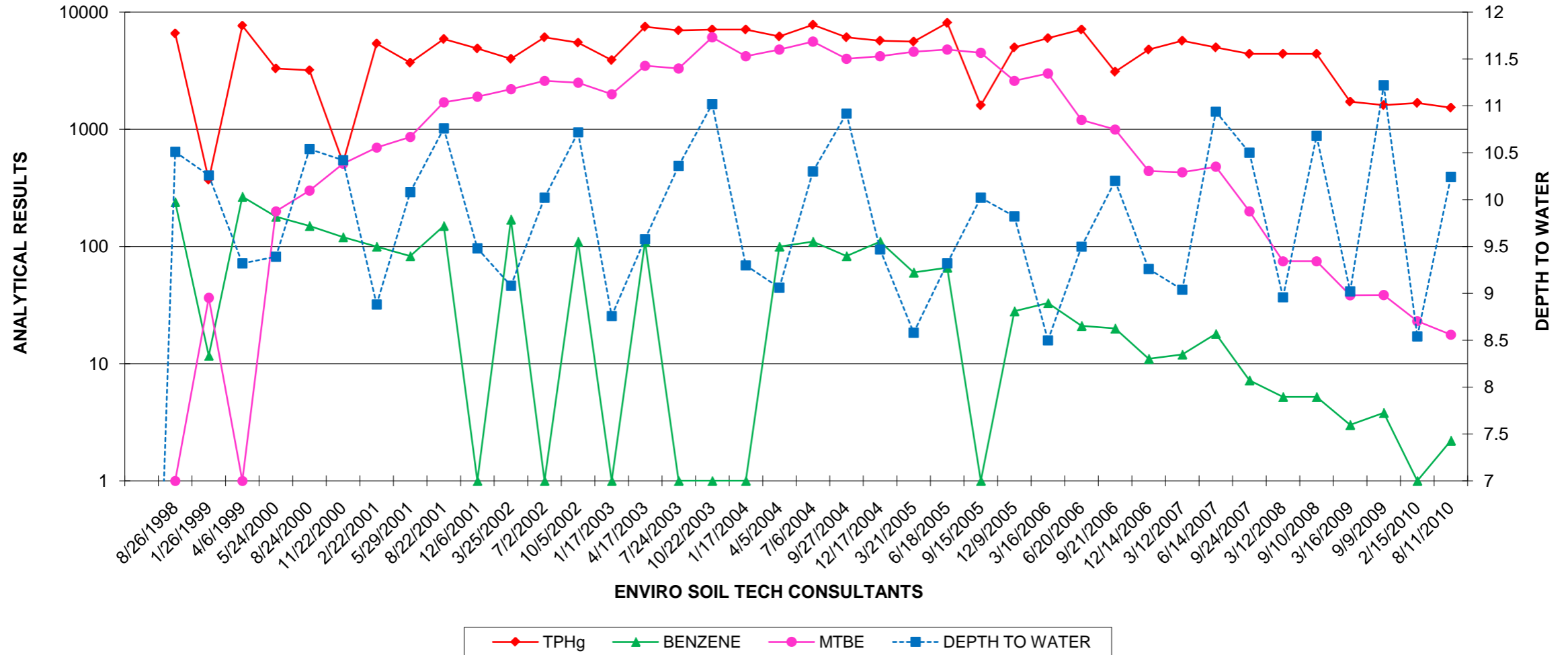


**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE RESULTS FOR MW-4 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



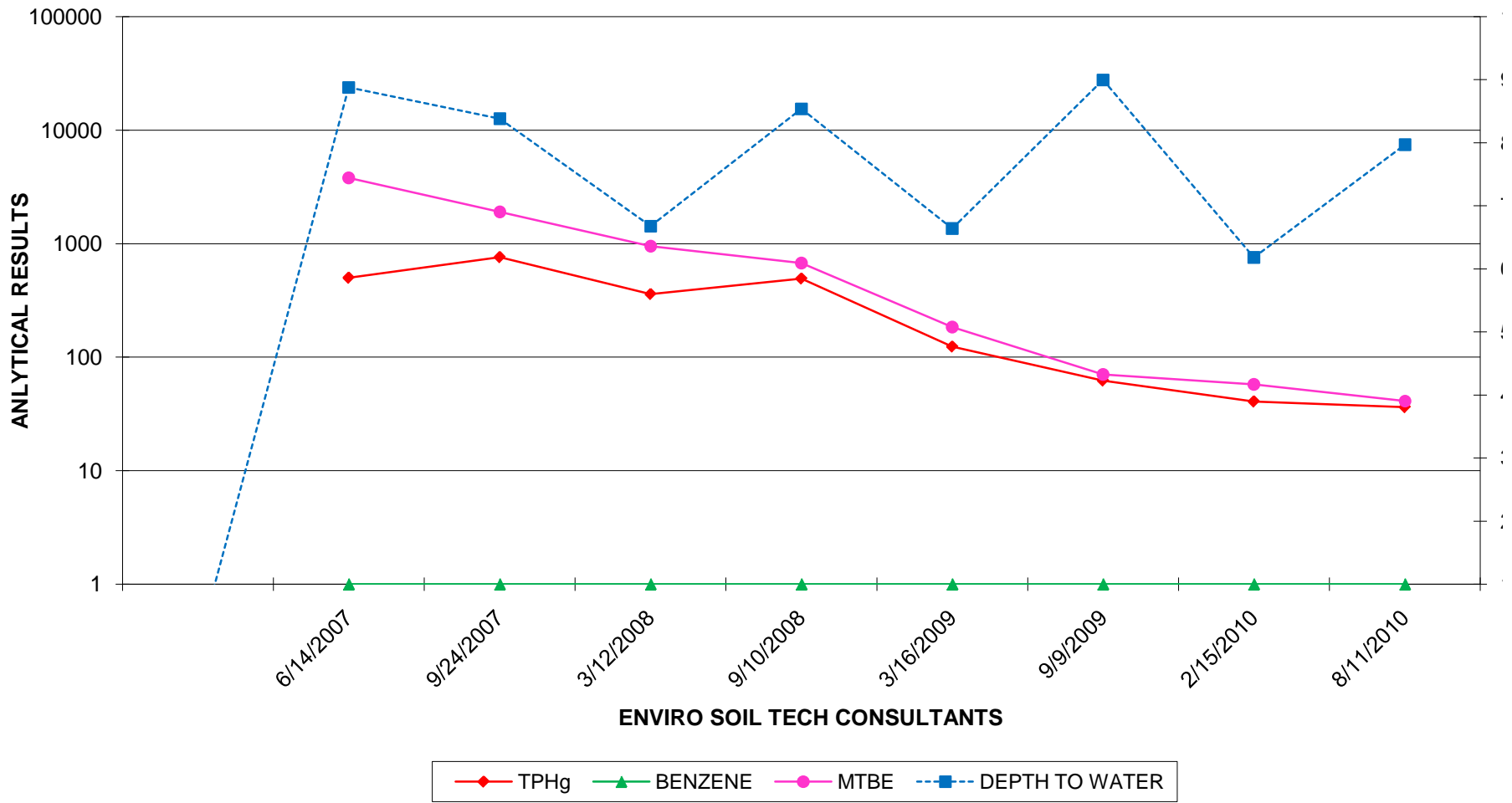
◆ TPHg   
 ▲ BENZENE   
 ● MTBE   
 ■ DEPTH TO WATER

**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE RESULTS FOR MW-5 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**

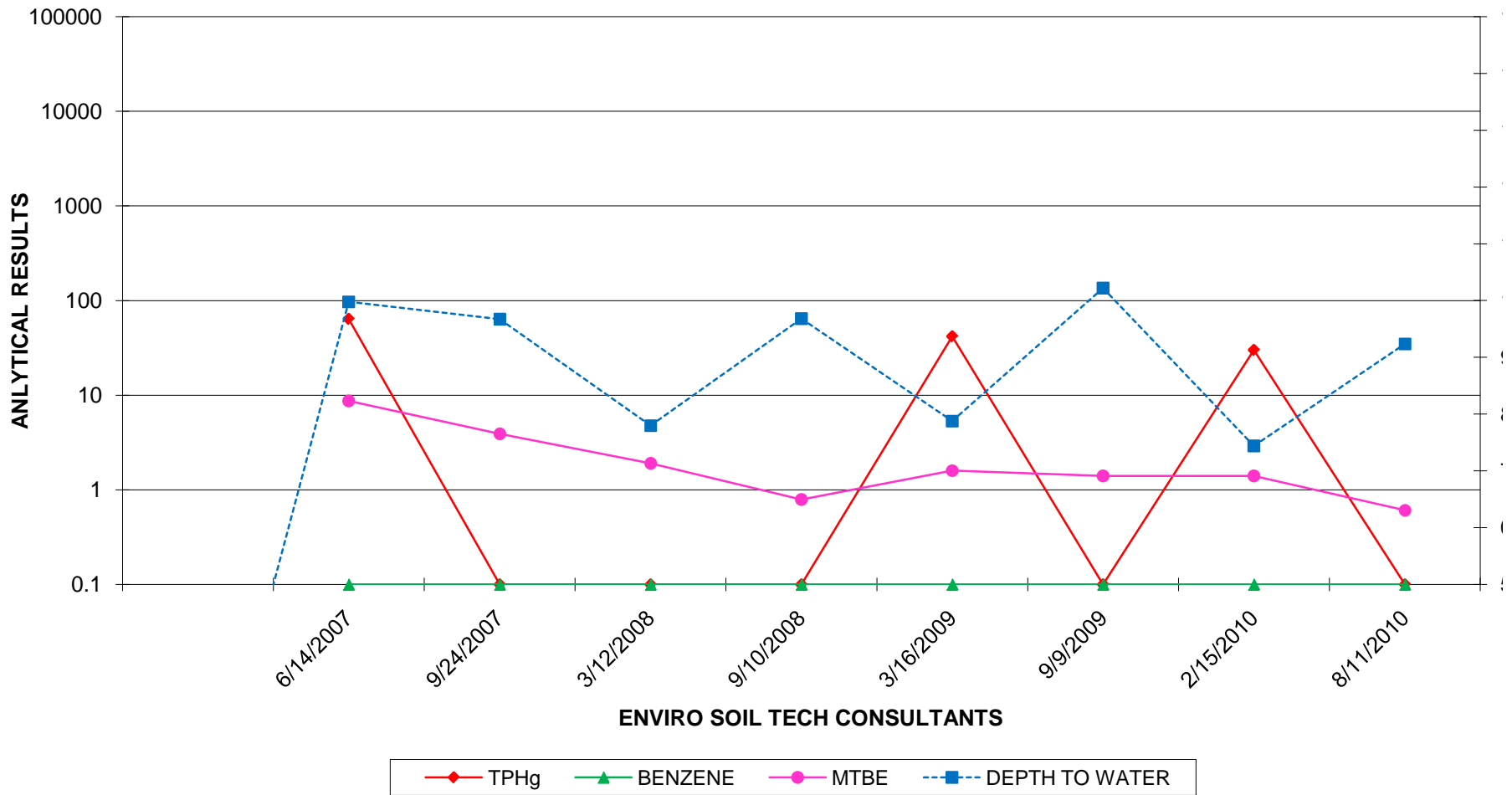




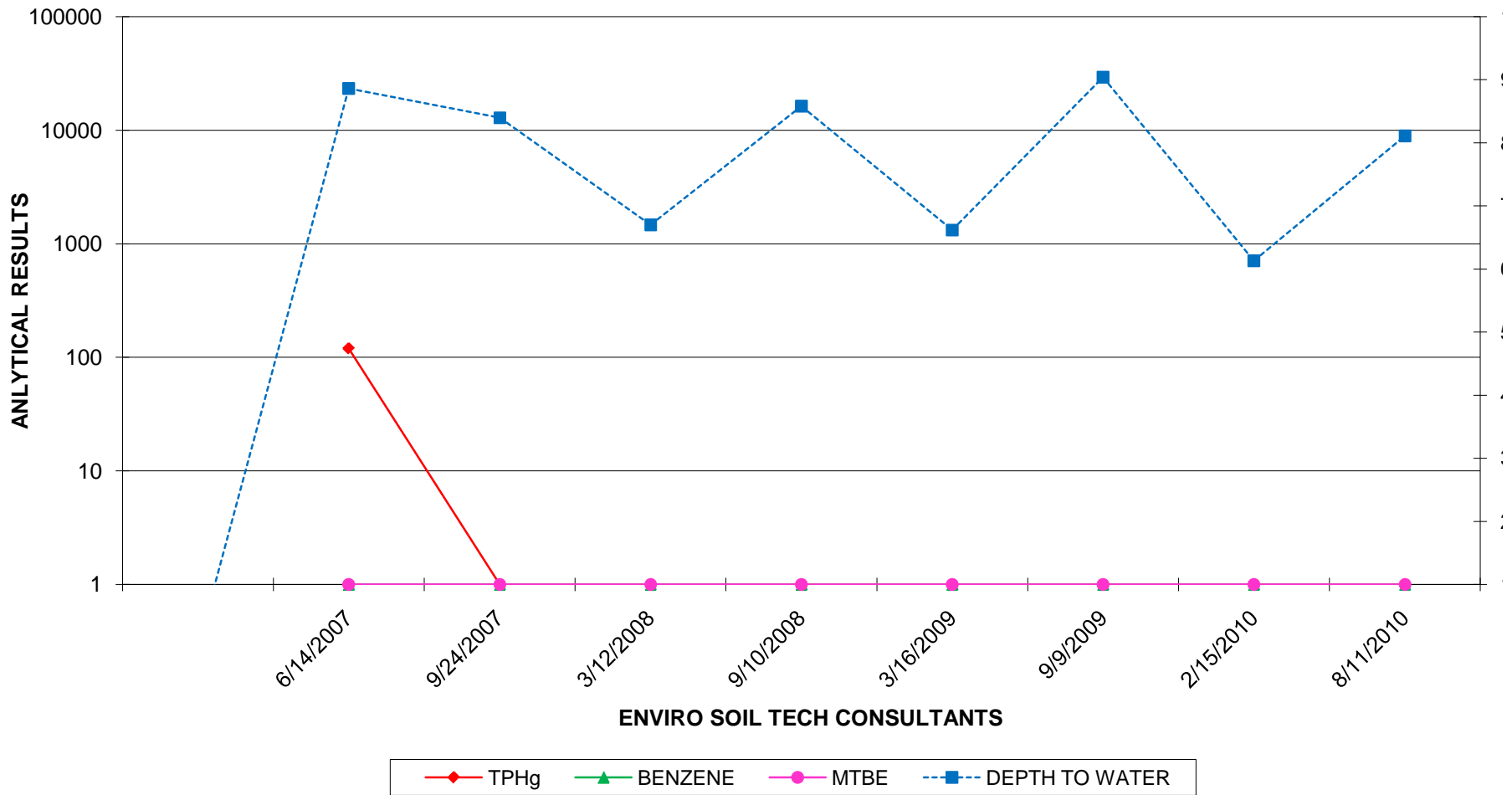
File No.: 12-99-702-SI  
TPHg, BENZENE & MTBE FOR STMW- 6 ( $\mu\text{g/L}$ )  
AND DEPTH TO WATER MEASUREMENT (Feet)



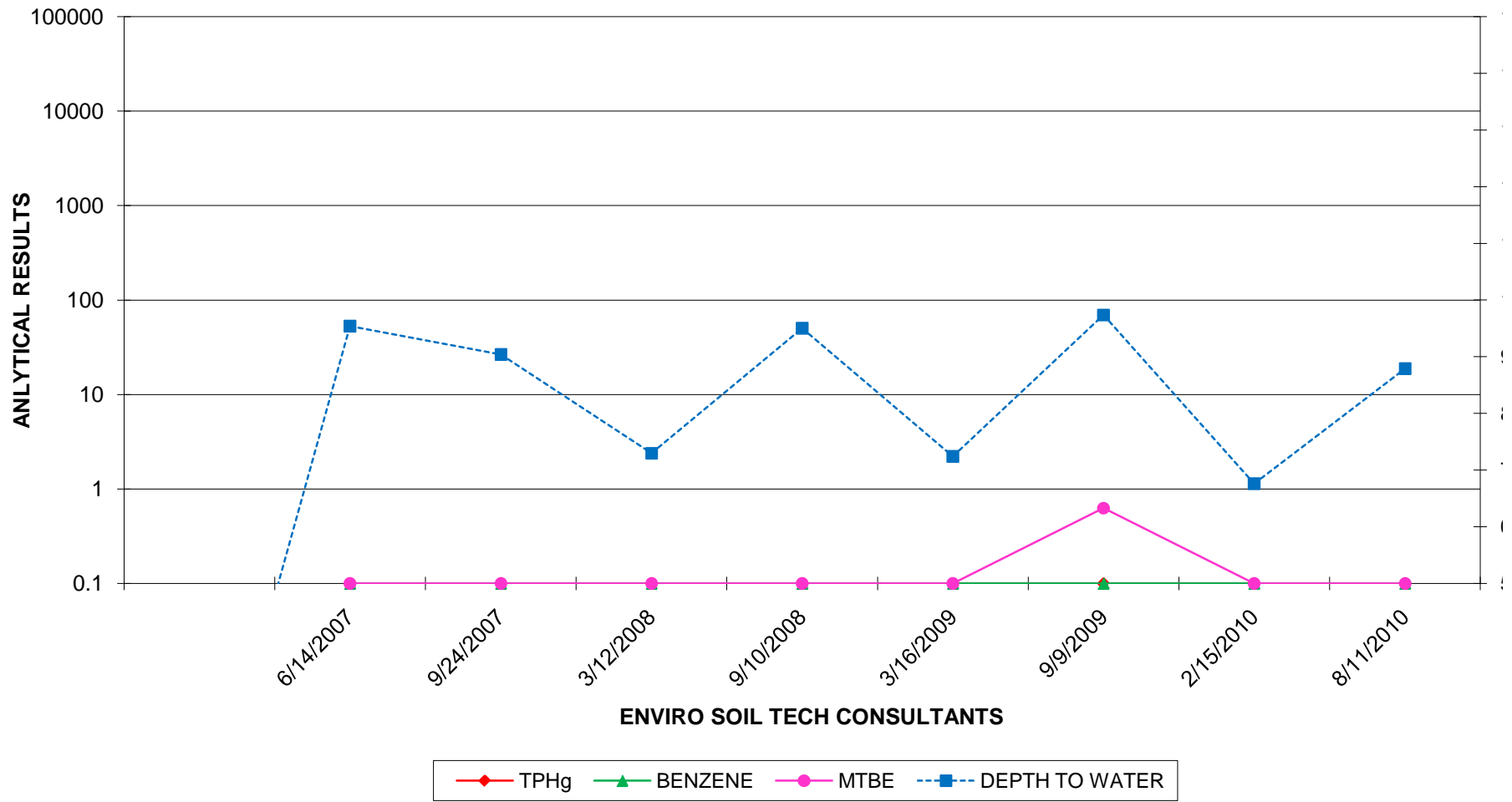
File No.: 12-99-702-SI  
TPHg, BENZENE & MTBE FOR STMW- 7 ( $\mu\text{g/L}$ )  
AND DEPTH TO WATER MEASUREMENT (Feet)



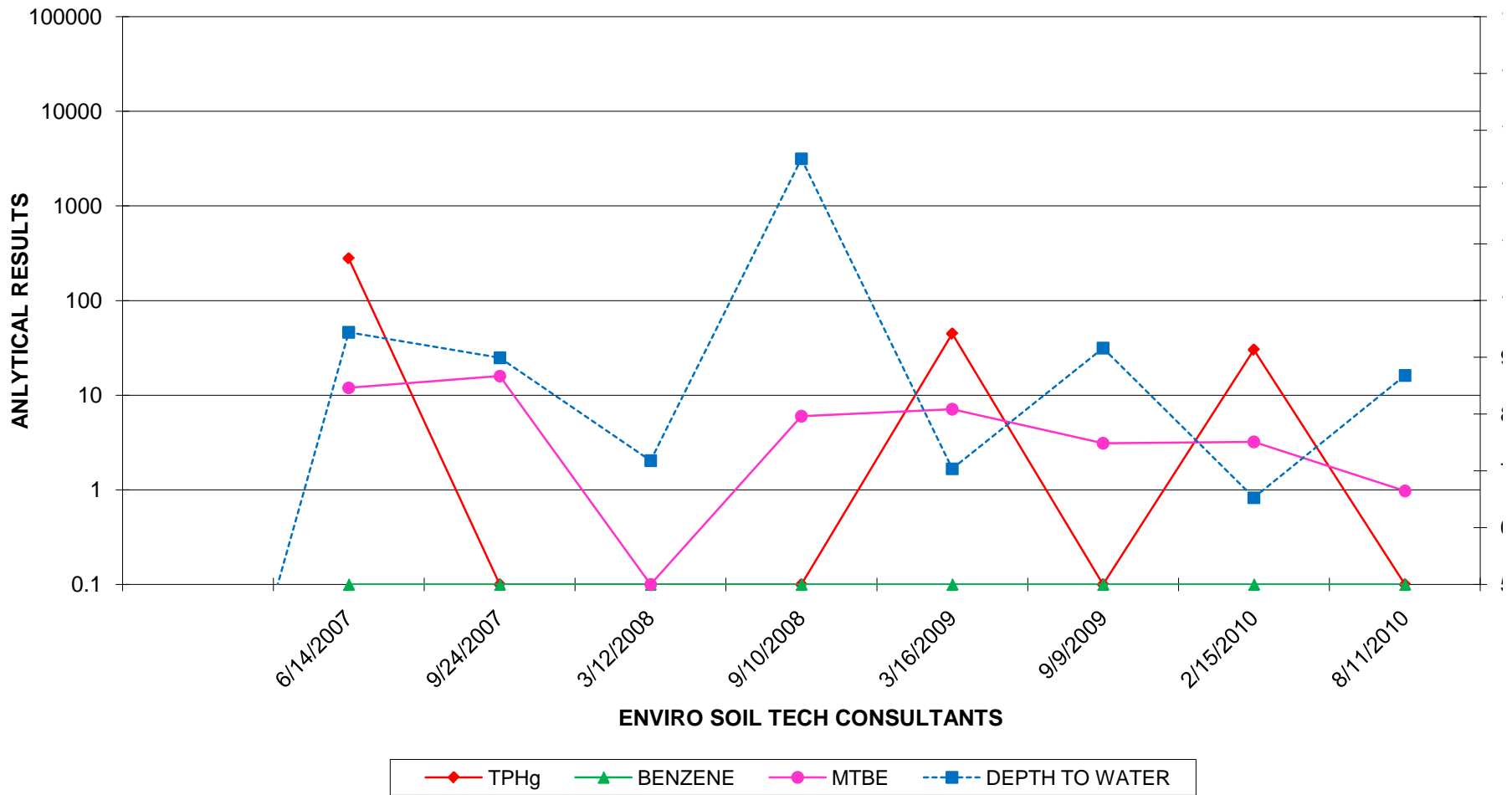
File No.: 12-99-702-SI  
TPHg, BENZENE & MTBE FOR STMW- 8 ( $\mu\text{g/L}$ )  
AND DEPTH TO WATER MEASUREMENT (Feet)



File No.: 12-99-702-SI  
TPHg, BENZENE & MTBE FOR STMW- 9 ( $\mu\text{g/L}$ )  
AND DEPTH TO WATER MEASUREMENT (Feet)



File No.: 12-99-702-SI  
TPHg, BENZENE & MTBE FOR STMW- 10 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (Feet)



File No. 12-99-702-SI  
September 28, 2010

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

### **STANDARD OPERATION PROCEDURE**

**ENVIRO SOIL TECH CONSULTANTS**

## **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 vial and securely tightened. The VOA vial was 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.

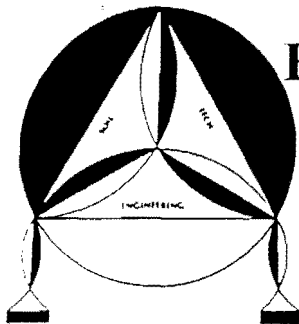
File No. 12-99-702-SI  
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**A P P E N D I X "E"**

**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.: 12-99-702-SI

WELL NO.: MW-1

DATE: 8-12-10

SAMPLER: FARMAD

DEPTH TO WELL: 15 feet

1 WELL VOLUME: 0.964

DEPTH TO WATER: 9.09 feet

5 WELL VOLUME: 4.822

HEIGHT OF WATER COLUMN: 5.91

ACTUAL PURGED VOLUME: 5

CASING DIAMETER:  2"

4"

### CALCULATIONS:

$$2'' - \times 0.1632 \times 5.91 = 0.964 \times 5 = 4.822$$

$$4'' - 0.653$$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

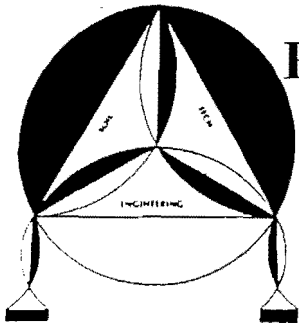
SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

### FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	1.0	7.32	22.9	833
	2.0	7.30	21.6	684
	3.0	7.31	22.1	684
	4.0	7.32	22.7	684
	5.0	7.33	22.5	680

9.20 feet



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: MW-2

DATE: 8-12-10

SAMPLER: FARMAD

DEPTH TO WELL: 15 feet

1 WELL VOLUME: 1.146

DEPTH TO WATER: 7.98 feet

5 WELL VOLUME: 5.728

HEIGHT OF WATER COLUMN: 7.02

ACTUAL PURGED VOLUME: 5

CASING DIAMETER: 2"  4"

## CALCULATIONS:

$$2'' - \times 0.1632 \times 7.02 = 1.146 \times 5 = 5.728$$

$$4'' - 0.653$$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

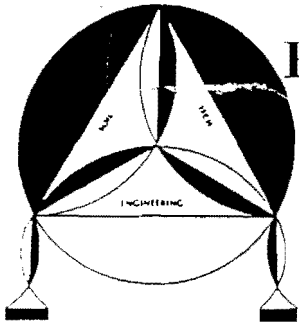
SAMPLE METHOD:  BAILER  OTHER

SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>1.0</u>	<u>7.31</u>	<u>22.6</u>	<u>610</u>
_____	<u>2.0</u>	<u>7.33</u>	<u>22.9</u>	<u>606</u>
_____	<u>3.0</u>	<u>7.32</u>	<u>22.8</u>	<u>603</u>
_____	<u>4.0</u>	<u>7.37</u>	<u>23.1</u>	<u>613</u>
_____	<u>5.0</u>	<u>7.34</u>	<u>22.7</u>	<u>609</u>



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: MW-3

DATE: 8-12-10

SAMPLER: FARHAD

DEPTH TO WELL: 16 feet

1 WELL VOLUME: 1.297

DEPTH TO WATER: 8.85 ft

5 WELL VOLUME: 6.487

HEIGHT OF WATER COLUMN: 7.95

ACTUAL PURGED VOLUME: 5

CASING DIAMETER: 2"

4"

### CALCULATIONS:

$$2'' - \times 0.1632 \times 7.95 = 1.297 \times 5 = 6.487$$

$$4'' - 0.653$$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

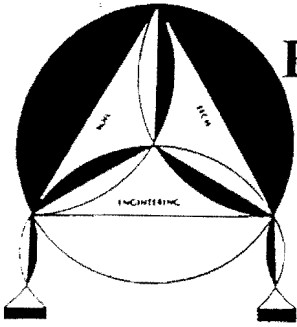
SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

### FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	1.0	7.20	21.8	897
	2.0	7.24	21.4	893
	3.0	7.28	20.9	882
	4.0	7.28	20.9	10
	5.0	7.26	21.1	887

9.15 feet



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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: MW-4

DATE: 8-12-10

SAMPLER: FARMAD

DEPTH TO WELL: 20 feet

1 WELL VOLUME: 1.696

DEPTH TO WATER: 9.61 feet

5 WELL VOLUME: 8.478

HEIGHT OF WATER COLUMN: 10.39

ACTUAL PURGED VOLUME: 7.5

CASING DIAMETER:  2"

4"

## CALCULATIONS:

$$2'' - 0.1632 \times 10.39 = 1.696 \times 5 = 8.478$$

4'' - 0.653

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

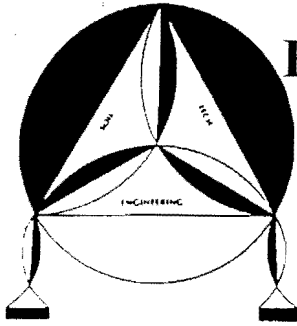
SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	<u>1.5</u>	<u>7.50</u>	<u>19.5</u>	<u>1091</u>
	<u>3.0</u>	<u>7.37</u>	<u>19.7</u>	<u>1074</u>
	<u>4.5</u>	<u>7.31</u>	<u>19.8</u>	<u>1085</u>
	<u>6.0</u>	<u>7.32</u>	<u>"</u>	<u>1080</u>
	<u>7.5</u>	<u>7.30</u>	<u>"</u>	<u>1082</u>

9.74 feet



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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: MW-5

DATE: 8-11-10

SAMPLER: FORMAD

DEPTH TO WELL: 20 feet

1 WELL VOLUME: 1.593

DEPTH TO WATER: 10.24 feet

5 WELL VOLUME: 7.964

HEIGHT OF WATER COLUMN: 9.76

ACTUAL PURGED VOLUME: 7.5

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

$$2" - x 0.1632 \cdot 9.76 = 1.593^{AS} = 7.964$$

$$4" - 0.653$$

PURGE METHOD: ✓ BAILER \_\_\_\_\_ DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD: ✓ BAILER \_\_\_\_\_ OTHER

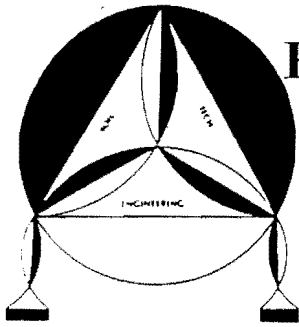
SHEEN: \_\_\_\_\_ NO \_\_\_\_\_ ✓ YES, DESCRIBE: rainbow

ODOR: \_\_\_\_\_ NO \_\_\_\_\_ ✓ YES, DESCRIBE: smell look like GAS

## FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
_____	<u>1.5</u>	<u>7.21</u>	<u>19.6</u>	<u>1096</u>
_____	<u>3.0</u>	<u>7.12</u>	<u>19.2</u>	<u>1107</u>
_____	<u>4.5</u>	<u>7.09</u>	<u>19.2</u>	<u>1115</u>
_____	<u>6.0</u>	<u>7.12</u>	<u>19.1</u>	<u>1101</u>
_____	<u>7.5</u>	<u>7.14</u>	<u>19.1</u>	<u>1094</u>

10.35 feet



# ENVIRO SOIL TECH CONSULTANTS

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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: STMW-6

DATE: 8-11-10

SAMPLER: FARHAD

DEPTH TO WELL: 22 feet

1 WELL VOLUME: 2.290

DEPTH TO WATER: 7.97 feet

5 WELL VOLUME: 11.448

HEIGHT OF WATER COLUMN: 14.03

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

### CALCULATIONS:

$2" - \times 0.1632 + 14.03 = 2.290^{1.5} = 11.448$

$4" - 0.653$

PURGE METHOD: ✓ BAILER \_\_\_\_\_ DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD: ✓ BAILER \_\_\_\_\_ OTHER

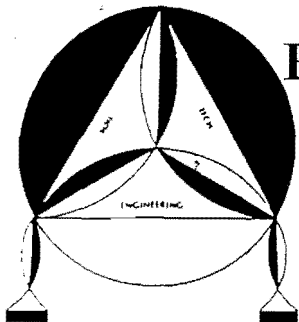
SHEEN: \_\_\_\_\_ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

ODOR: \_\_\_\_\_ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

### FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>2</u>	<u>7.48</u>	<u>22.4</u>	<u>804</u>
_____	<u>4</u>	<u>7.42</u>	<u>21.8</u>	<u>832</u>
_____	<u>6</u>	<u>7.38</u>	<u>21.3</u>	<u>821</u>
_____	<u>8</u>	<u>7.38</u>	<u>21.1</u>	<u>837</u>
_____	<u>10</u>	<u>7.38</u>	<u>20.9</u>	<u>848</u>

8.18 feet



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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: STMW-7

DATE: 8-11-10

SAMPLER: FARHAD

DEPTH TO WELL: 22 feet

1 WELL VOLUME: 2.082

DEPTH TO WATER: 9.24 feet

5 WELL VOLUME: 10.412

HEIGHT OF WATER COLUMN: 12.76

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2"

4"

### CALCULATIONS:

$$2'' - x 0.1632 \times 12.76 = 2.082 \text{ } ^{AS} \text{ } 10.412$$
$$4'' - 0.653$$

PURGE METHOD: ✓ BAILER        DISPLACEMENT PUMP        OTHER

SAMPLE METHOD: ✓ BAILER        OTHER

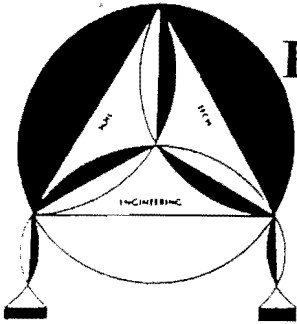
SHEEN: ✓ NO        YES, DESCRIBE:       

ODOR: ✓ NO        YES, DESCRIBE:       

### FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
<u>      </u>	<u>2</u>	<u>7.47</u>	<u>21.2</u>	<u>856</u>
<u>      </u>	<u>4</u>	<u>7.42</u>	<u>20.5</u>	<u>845</u>
<u>      </u>	<u>6</u>	<u>7.35</u>	<u>19.8</u>	<u>857</u>
<u>      </u>	<u>8</u>	<u>7.34</u>	<u>18.9</u>	<u>877</u>
<u>      </u>	<u>10</u>	<u>7.42</u>	<u>19.0</u>	<u>873</u>

9.82 feet



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: STMW-8

DATE: 8-11-10

SAMPLER: FARHAD

DEPTH TO WELL: 23 feet

1 WELL VOLUME: 2.430

DEPTH TO WATER: 8.11 feet

5 WELL VOLUME: 12.150

HEIGHT OF WATER COLUMN: 14.89

ACTUAL PURGED VOLUME: 10

CASING DIAMETER:  2"  4"

2"  4"

## CALCULATIONS:

$$2" - x 0.1632 \times 14.89 = 2.430^{x5} = 12.150$$

4" - 0.653

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

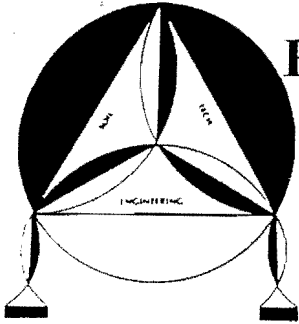
ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	<u>2</u>	<u>7.52</u>	<u>20.7</u>	<u>828</u>
	<u>4</u>	<u>7.49</u>	<u>20.3</u>	<u>831</u>
	<u>6</u>	<u>7.43</u>	<u>19.9</u>	<u>831</u>
	<u>8</u>	<u>7.38</u>	<u>19.7</u>	<u>839</u>
	<u>10</u>	<u>7.40</u>	<u>19.7</u>	<u>840</u>

8.18 feet





# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: STMW-9

DATE: 8-11-10

SAMPLER: FARHAD

DEPTH TO WELL: 22 feet

1 WELL VOLUME: 2.319

DEPTH TO WATER: 879 feet

5 WELL VOLUME: 11.60

HEIGHT OF WATER COLUMN: 14.21 feet

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2"

4"

### CALCULATIONS:

$$2'' - \times 0.1632 \times 14.21 = 2.319^{AS} = 11.60$$

$$4'' - 0.653$$

PURGE METHOD: ✓ BAILER DISPLACEMENT PUMP OTHER

SAMPLE METHOD: ✓ BAILER OTHER

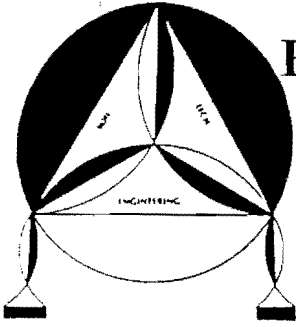
SHEEN: ✓ NO YES, DESCRIBE:

ODOR: ✓ NO YES, DESCRIBE:

### FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
	<u>2</u>	<u>7.64</u>	<u>20.1</u>	<u>891</u>
	<u>4</u>	<u>7.50</u>	<u>19.6</u>	<u>886</u>
	<u>6</u>	<u>7.43</u>	<u>19.6</u>	<u>883</u>
	<u>8</u>	<u>7.39</u>	<u>19.5</u>	<u>879</u>
	<u>10</u>	<u>7.30</u>	<u>19.5</u>	<u>872</u>

9.10 feet



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

WELL NO.: STMW-10

DATE: 8-11-10

SAMPLER: FARHAD

DEPTH TO WELL: 22 feet

1 WELL VOLUME: 2.174

DEPTH TO WATER: 8.68 feet

5 WELL VOLUME: 10.869

HEIGHT OF WATER COLUMN: 13.32

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2"

4"

## CALCULATIONS:

$$2'' - \times 0.1632 \times 13.32 = 2.174 \times 5 = 10.869$$

$$4'' - 0.653$$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>2</u>	<u>7.39</u>	<u>20.3</u>	<u>760</u>
_____	<u>4</u>	<u>7.40</u>	<u>19.7</u>	<u>760</u>
_____	<u>6</u>	<u>7.41</u>	<u>19.6</u>	<u>766</u>
_____	<u>8</u>	<u>7.43</u>	<u>19.9</u>	<u>772</u>
_____	<u>10</u>	<u>7.40</u>	<u>19.6</u>	<u>794</u>

8.75 feet

File No. 12-99-702-SI  
September 28, 2010

**A P P E N D I X "F"**

**LABORATORY REPORT**

**ENVIRO SOIL TECH CONSULTANTS**



## Technical Report for

### Enviro Soil Tech Consultants

T0600101374-15595 Washington Ave., San Lorenzo, CA

12-99-702-ST

Accutest Job Number: C12109

Sampling Dates: 08/11/10 - 08/12/10

### Report to:

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
info@envirosoiltech.com

ATTN: Frank Hamedi

Total number of pages in report: **62**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

**Laurie Glantz-Murphy**  
Laboratory Director

Client Service contact: Anne Kathain 408-588-0200

Certifications: CA (08258CA) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.



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## Sample Summary

Enviro Soil Tech Consultants

**Job No:** C12109

T0600101374-15595 Washington Ave., San Lorenzo, CA  
 Project No: 12-99-702-ST

Sample Number	Collected		Matrix Received	Code	Type	Client Sample ID
	Date	Time By				
C12109-1	08/12/10	11:33 HF	08/13/10	AQ	Ground Water	MW-1
C12109-2	08/12/10	13:01 HF	08/13/10	AQ	Ground Water	MW-2
C12109-3	08/12/10	14:31 HF	08/13/10	AQ	Ground Water	MW-3
C12109-4	08/12/10	10:00 HF	08/13/10	AQ	Ground Water	MW-4
C12109-5	08/11/10	16:58 HF	08/13/10	AQ	Ground Water	MW-5
C12109-6	08/11/10	14:03 HF	08/13/10	AQ	Ground Water	STMW-6
C12109-7	08/11/10	15:31 HF	08/13/10	AQ	Ground Water	STMW-7
C12109-8	08/11/10	12:19 HF	08/13/10	AQ	Ground Water	STMW-8
C12109-9	08/11/10	09:38 HF	08/13/10	AQ	Ground Water	STMW-9
C12109-10	08/11/10	11:01 HF	08/13/10	AQ	Ground Water	STMW-10



## Sample Results

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## Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b>	MW-1	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-1	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16703.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> MW-1		<b>Date Sampled:</b> 08/12/10
<b>Lab Sample ID:</b> C12109-1		<b>Date Received:</b> 08/13/10
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.74	1.0	0.50	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-1	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-1	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-1		
<b>Lab Sample ID:</b> C12109-1		<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13903.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0455	0.050	0.020	mg/l	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	90%		64-153%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-2	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-2	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16704.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-2	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-2	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-2		
<b>Lab Sample ID:</b> C12109-2		<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-2		
<b>Lab Sample ID:</b> C12109-2		<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13904.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	94%		64-153%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-3	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-3	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16705.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b>	MW-3	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-3	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.2	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-3	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-3	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-3	
<b>Lab Sample ID:</b> C12109-3	<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13905.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		64-153%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-4	
<b>Lab Sample ID:</b> C12109-4	<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16706.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-4	<b>Date Sampled:</b>	08/12/10
<b>Lab Sample ID:</b>	C12109-4	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.95	1.0	0.50	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-4		
<b>Lab Sample ID:</b> C12109-4		<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-4		
<b>Lab Sample ID:</b> C12109-4		<b>Date Sampled:</b> 08/12/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13906.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0593	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		64-153%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-5	
<b>Lab Sample ID:</b> C12109-5	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16707.D	2	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	20	ug/l	
71-43-2	Benzene	2.2	2.0	0.60	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.60	ug/l	
74-97-5	Bromochloromethane	ND	2.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.60	ug/l	
75-25-2	Bromoform	ND	2.0	1.0	ug/l	
104-51-8	n-Butylbenzene	34.9	10	1.0	ug/l	
135-98-8	sec-Butylbenzene	15.4	10	1.0	ug/l	
98-06-6	tert-Butylbenzene	ND	10	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.60	ug/l	
75-00-3	Chloroethane	ND	2.0	0.60	ug/l	
67-66-3	Chloroform	ND	2.0	0.60	ug/l	
95-49-8	o-Chlorotoluene	ND	10	1.0	ug/l	
106-43-4	p-Chlorotoluene	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.60	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.40	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.60	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.40	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.60	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.60	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.60	ug/l	
108-20-3	Di-Isopropyl ether	ND	10	1.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.60	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.60	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.60	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	0.60	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	0.60	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	0.60	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b>	MW-5	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-5	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.60	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.40	ug/l	
100-41-4	Ethylbenzene	8.1	2.0	0.60	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	10	1.0	ug/l	
591-78-6	2-Hexanone	ND	40	20	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	1.0	ug/l	
98-82-8	Isopropylbenzene	57.9	2.0	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	40	10	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	10	3.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.60	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.40	ug/l	
75-09-2	Methylene chloride	ND	40	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	40	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	17.7	2.0	1.0	ug/l	
91-20-3	Naphthalene	72.7	10	1.0	ug/l	
103-65-1	n-Propylbenzene	182	10	1.0	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	10	1.0	ug/l	
75-65-0	Tert-Butyl Alcohol	155	20	10	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.40	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.40	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.40	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.60	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	96%		60-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-5	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-5	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MW-5	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-5	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8015B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13914.D	5	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

## TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.53	0.25	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	70%		64-153%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	STMW-6	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-6	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16708.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	STMW-6	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-6	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	41.2	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.67	1.0	0.20	ug/l	J
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-6		
<b>Lab Sample ID:</b> C12109-6		<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-6	
<b>Lab Sample ID:</b> C12109-6	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13907.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10) <sup>a</sup>	0.0362	0.050	0.020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	91%		64-153%

(a) Atypical pattern. Value due to non-target compound(s).

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-7	
<b>Lab Sample ID:</b> C12109-7	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16709.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b>	STMW-7	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-7	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.61	1.0	0.50	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	STMW-7	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-7	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-7	
<b>Lab Sample ID:</b> C12109-7	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13908.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	90%		64-153%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-8		<b>Date Sampled:</b> 08/11/10
<b>Lab Sample ID:</b> C12109-8		<b>Date Received:</b> 08/13/10
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16710.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	STMW-8	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-8	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-8		
<b>Lab Sample ID:</b> C12109-8		<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-8	
<b>Lab Sample ID:</b> C12109-8	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13909.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	91%		64-153%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-9		<b>Date Sampled:</b> 08/11/10
<b>Lab Sample ID:</b> C12109-9		<b>Date Received:</b> 08/13/10
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16711.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b>	STMW-9	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-9	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	95%		60-130%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-9		
<b>Lab Sample ID:</b> C12109-9		<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-9	
<b>Lab Sample ID:</b> C12109-9	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13912.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		64-153%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	STMW-10	<b>Date Sampled:</b>	08/11/10
<b>Lab Sample ID:</b>	C12109-10	<b>Date Received:</b>	08/13/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	T0600101374-15595 Washington Ave., San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N16712.D	1	08/18/10	TF	n/a	n/a	VN567
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> STMW-10	
<b>Lab Sample ID:</b> C12109-10	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide <sup>a</sup>	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.97	1.0	0.50	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	96%		60-130%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-10		
<b>Lab Sample ID:</b> C12109-10		<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA		

### VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		60-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-10	
<b>Lab Sample ID:</b> C12109-10	<b>Date Sampled:</b> 08/11/10
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/13/10
<b>Method:</b> SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b> T0600101374-15595 Washington Ave., San Lorenzo, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13913.D	1	08/24/10	JA	n/a	n/a	GJK563
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

### TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	89%		64-153%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

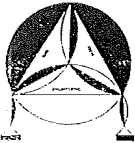
- Chain of Custody



CHAIN OF CUSTODY RECORD

ESTC-AST14-1

PROJ. NO. 12-99-702-ST		NAME 15595 Washington Ave, San Lorenzo		C12109							
SAMPLERS: (Signature) Hamed, Far				REMARKS							
NO.	DATE	TIME	SOIL	WATER	LOCATION	CON-TAINER	ANALYSES REQUESTED (3)	REMARKS			
1	8/12/10	11:33		✓	MW-1	4	TPH, Hg (8015 M) EPA 8260 P&P	EDF # T0600101374			
2		13:01		✓	MW-2	4					
3		14:31		✓	MW-3	4					
4		10:00		✓	MW-4	4		*Full lists			
5	8/11/10	16:58		✓	MW-5	4					
6		14:03		✓	STMW-6	4					
7		15:31		✓	STMW-7	4		*All vials are HCL preserved.*			
8		12:19		✓	STMW-8	4					
9		9:38		✓	STMW-9	4					
10		11:01		✓	STMW-10	4					
							4 vials each (10/10) (X10) Temp   2.5 to .3 = 2.8 °C				
Relinquished by: (Signature) Hamed, Far		Date / Time 8/13/10 09:47		Received by: (Signature)		Relinquished by: (Signature)		Date / Time 8/13/10 10:30		Received by: (Signature) Ekm	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Hamed			



ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants  
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
Tel: (408) 297-1500 Fax: (408) 292-2116

C12109: Chain of Custody

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**Review Chain of Custody** Chain of Custody is to be complete and legible.

- Are these regulatory (NPDES) samples? GWA Yes/ No (Yes) / No
- Is pH requested? Yes / No
- Was Client informed that hold time is 15 min? Yes / No Continue Yes / No
- Was ortho-Phosphate filtered with in 15 min? Yes / No Continue Yes / No
- Are sample within hold time? Yes/ No (Yes) / No
- Are sample in danger of exceeding hold-time? Yes / No
- Existing Client? Yes / No Existing Project? Yes / No (Yes) / No
- If No: Is Report to info complete and legible, including;
  - deliverable  Name  Address  phone  e-mail
- Is Bill to info complete and legible, including;
  - PO#  Credit card  Contact  address  phone  e-mail
- Is Contact and/or Project Manager identified, including;
  - phone  e-mail
- Project name / number  Special requirements? Yes / No
- Sample IDs / date & time of collection provided? Yes / No
- Is Matrix listed and correct? Yes / No
- Analyses listed we do or client has authorized a subcontract? Yes / No
- Chain is signed and dated by both client and sample custodian? Yes / No
- TAT requested available? Yes / No Approved by Pm

**Review Coolers:**

- Were Coolers temperatures measured at ≤6°C? Cooler # 1 Temp 2.6 °C
  - If cooler is outside the ≤6°C; note down below the affected bottles in that cooler
  - Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)
- Shipment Received Method Ac
- Custody Seals: Present: Yes / No If Yes, Unbroken: Yes / No

**Review of Sample Bottles: If you answer no, explain to the side**

- Chain matches bottle labels? Yes / No  Sample bottle intact? Yes / No (Yes) / No
- Is there enough sample volume in proper bottle for requested analyses? Yes/ No (Yes) / No
- Proper Preservatives? Yes / No Check pH on preserved samples except 1664, 625, 8270 and VOAs
- Headspace-VOAs? Greater than 6mm in diameter Yes / No  
List sample ID and affected container

Client Sample ID	pH Check	Other Comments/Issues

Non-Compliance issues and discrepancies on the COC are forwarded to Project Management

\\Anc-srv-file1\d\$\Entech-Data\Laboratory\SOPs\SOP\_CompleteListing\SC001F1\_1\_Form1\_SampleControl\_SampleReceivingChecklist\_2010-02-15.doc

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## GC/MS Volatiles

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-MB	N16698.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	

## Method Blank Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-MB	N16698.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 60-130%

## Method Blank Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-MB	N16698.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	94% 60-130%
460-00-4	4-Bromofluorobenzene	100% 60-130%

# Blank Spike Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-BS	N16699.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	80	92.7	116	60-130
71-43-2	Benzene	20	20.1	101	60-130
108-86-1	Bromobenzene	20	19.3	97	60-130
74-97-5	Bromochloromethane	20	23.0	115	60-130
75-27-4	Bromodichloromethane	20	22.1	111	60-130
75-25-2	Bromoform	20	20.8	104	60-130
104-51-8	n-Butylbenzene	20	18.3	92	60-130
135-98-8	sec-Butylbenzene	20	18.4	92	60-130
98-06-6	tert-Butylbenzene	20	18.4	92	60-130
108-90-7	Chlorobenzene	20	19.3	97	60-130
75-00-3	Chloroethane	20	19.3	97	60-130
67-66-3	Chloroform	20	21.8	109	60-130
95-49-8	o-Chlorotoluene	20	18.8	94	60-130
106-43-4	p-Chlorotoluene	20	18.4	92	60-130
56-23-5	Carbon tetrachloride	20	21.3	107	60-130
75-34-3	1,1-Dichloroethane	20	22.4	112	60-130
75-35-4	1,1-Dichloroethylene	20	21.0	105	60-130
563-58-6	1,1-Dichloropropene	20	17.2	86	60-130
96-12-8	1,2-Dibromo-3-chloropropane	20	23.5	118	60-130
106-93-4	1,2-Dibromoethane	20	21.6	108	60-130
107-06-2	1,2-Dichloroethane	20	21.6	108	60-130
78-87-5	1,2-Dichloropropane	20	21.2	106	60-130
142-28-9	1,3-Dichloropropane	20	20.3	102	60-130
108-20-3	Di-Isopropyl ether	20	21.1	106	60-130
594-20-7	2,2-Dichloropropane	20	22.3	112	60-130
124-48-1	Dibromochloromethane	20	21.8	109	60-130
75-71-8	Dichlorodifluoromethane	20	16.1	81	60-130
156-59-2	cis-1,2-Dichloroethylene	20	21.3	107	60-130
10061-01-5	cis-1,3-Dichloropropene	20	22.7	114	60-130
541-73-1	m-Dichlorobenzene	20	19.4	97	60-130
95-50-1	o-Dichlorobenzene	20	19.6	98	60-130
106-46-7	p-Dichlorobenzene	20	18.8	94	60-130
156-60-5	trans-1,2-Dichloroethylene	20	20.7	104	60-130
10061-02-6	trans-1,3-Dichloropropene	20	21.4	107	60-130
100-41-4	Ethylbenzene	20	19.3	97	60-130
637-92-3	Ethyl Tert Butyl Ether	20	22.8	114	60-130

# Blank Spike Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-BS	N16699.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
591-78-6	2-Hexanone	80	85.5	107	60-130
87-68-3	Hexachlorobutadiene	20	19.4	97	60-130
98-82-8	Isopropylbenzene	20	18.6	93	60-130
99-87-6	p-Isopropyltoluene	20	18.2	91	60-130
108-10-1	4-Methyl-2-pentanone	80	96.7	121	60-130
74-83-9	Methyl bromide	20	20.6	103	60-130
74-87-3	Methyl chloride	20	16.0	80	60-130
74-95-3	Methylene bromide	20	23.0	115	60-130
75-09-2	Methylene chloride	20	20.4	102	60-130
78-93-3	Methyl ethyl ketone	80	85.3	107	60-130
1634-04-4	Methyl Tert Butyl Ether	20	22.9	115	60-130
91-20-3	Naphthalene	20	20.8	104	60-130
103-65-1	n-Propylbenzene	20	18.6	93	60-130
100-42-5	Styrene	20	20.4	102	60-130
994-05-8	Tert-Amyl Methyl Ether	20	23.5	118	60-130
75-65-0	Tert-Butyl Alcohol	100	133	133* a	60-130
630-20-6	1,1,1,2-Tetrachloroethane	20	20.2	101	60-130
71-55-6	1,1,1-Trichloroethane	20	21.2	106	60-130
79-34-5	1,1,2,2-Tetrachloroethane	20	21.9	110	60-130
79-00-5	1,1,2-Trichloroethane	20	20.7	104	60-130
87-61-6	1,2,3-Trichlorobenzene	20	20.1	101	60-130
96-18-4	1,2,3-Trichloropropane	20	20.6	103	60-130
120-82-1	1,2,4-Trichlorobenzene	20	19.8	99	60-130
95-63-6	1,2,4-Trimethylbenzene	20	18.4	92	60-130
108-67-8	1,3,5-Trimethylbenzene	20	18.6	93	60-130
127-18-4	Tetrachloroethylene	20	17.3	87	60-130
108-88-3	Toluene	20	18.5	93	60-130
79-01-6	Trichloroethylene	20	20.5	103	60-130
75-69-4	Trichlorofluoromethane	20	16.8	84	60-130
75-01-4	Vinyl chloride	20	16.8	84	60-130
1330-20-7	Xylene (total)	60	57.5	96	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	60-130%

4.2.1  
4



## Blank Spike Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-BS	N16699.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	93%	60-130%
460-00-4	4-Bromofluorobenzene	103%	60-130%

(a) Outside of in-house control limits.

# Blank Spike Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN567-BS	N16700.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples: **Method:** SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	60-130%
2037-26-5	Toluene-D8	94%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

4.2.2  
4

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C12109-10MS	N16718.D	1	08/18/10	TF	n/a	n/a	VN567
C12109-10MSD	N16719.D	1	08/18/10	TF	n/a	n/a	VN567
C12109-10	N16712.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	C12109-10 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	80	60.1	75	75.9	95	23	60-130/25	
71-43-2	Benzene	ND	20	18.8	94	20.0	100	6	60-130/25	
108-86-1	Bromobenzene	ND	20	17.9	90	19.4	97	8	60-130/25	
74-97-5	Bromochloromethane	ND	20	19.9	100	21.9	110	10	60-130/25	
75-27-4	Bromodichloromethane	ND	20	19.9	100	21.8	109	9	60-130/25	
75-25-2	Bromoform	ND	20	16.5	83	19.7	99	18	60-130/25	
104-51-8	n-Butylbenzene	ND	20	17.0	85	17.9	90	5	60-130/25	
135-98-8	sec-Butylbenzene	ND	20	17.6	88	18.4	92	4	60-130/25	
98-06-6	tert-Butylbenzene	ND	20	17.6	88	18.5	93	5	60-130/25	
108-90-7	Chlorobenzene	ND	20	17.7	89	19.2	96	8	60-130/25	
75-00-3	Chloroethane	ND	20	17.6	88	18.8	94	7	60-130/25	
67-66-3	Chloroform	ND	20	19.6	98	21.1	106	7	60-130/25	
95-49-8	o-Chlorotoluene	ND	20	18.0	90	18.2	91	1	60-130/25	
106-43-4	p-Chlorotoluene	ND	20	16.6	83	18.6	93	11	60-130/25	
56-23-5	Carbon tetrachloride	ND	20	19.8	99	21.1	106	6	60-130/25	
75-34-3	1,1-Dichloroethane	ND	20	20.4	102	21.8	109	7	60-130/25	
75-35-4	1,1-Dichloroethylene	ND	20	19.1	96	20.2	101	6	60-130/25	
563-58-6	1,1-Dichloropropene	ND	20	16.0	80	17.0	85	6	60-130/25	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	18.1	91	22.1	111	20	60-130/25	
106-93-4	1,2-Dibromoethane	ND	20	17.9	90	20.8	104	15	60-130/25	
107-06-2	1,2-Dichloroethane	ND	20	18.8	94	21.2	106	12	60-130/25	
78-87-5	1,2-Dichloropropane	ND	20	19.5	98	21.1	106	8	60-130/25	
142-28-9	1,3-Dichloropropane	ND	20	17.4	87	19.8	99	13	60-130/25	
108-20-3	Di-Isopropyl ether	ND	20	18.6	93	20.5	103	10	60-130/25	
594-20-7	2,2-Dichloropropane	ND	20	18.0	90	19.3	97	7	60-130/25	
124-48-1	Dibromochloromethane	ND	20	18.6	93	21.5	108	14	60-130/25	
75-71-8	Dichlorodifluoromethane	ND	20	14.6	73	15.1	76	3	60-130/25	
156-59-2	cis-1,2-Dichloroethylene	ND	20	19.2	96	20.7	104	8	60-130/25	
10061-01-5	cis-1,3-Dichloropropene	ND	20	19.7	99	21.6	108	9	60-130/25	
541-73-1	m-Dichlorobenzene	ND	20	17.8	89	19.0	95	7	60-130/25	
95-50-1	o-Dichlorobenzene	ND	20	17.9	90	19.5	98	9	60-130/25	
106-46-7	p-Dichlorobenzene	ND	20	17.2	86	18.4	92	7	60-130/25	
156-60-5	trans-1,2-Dichloroethylene	ND	20	18.9	95	19.9	100	5	60-130/25	
10061-02-6	trans-1,3-Dichloropropene	ND	20	17.8	89	20.4	102	14	60-130/25	
100-41-4	Ethylbenzene	ND	20	17.9	90	19.2	96	7	60-130/25	
637-92-3	Ethyl Tert Butyl Ether	ND	20	19.6	98	22.0	110	12	60-130/25	

4.3.1  
4

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C12109-10MS	N16718.D	1	08/18/10	TF	n/a	n/a	VN567
C12109-10MSD	N16719.D	1	08/18/10	TF	n/a	n/a	VN567
C12109-10	N16712.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	C12109-10 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		80	61.2	77	77.8	97	24	60-130/25
87-68-3	Hexachlorobutadiene	ND		20	18.3	92	19.1	96	4	60-130/25
98-82-8	Isopropylbenzene	ND		20	17.4	87	18.4	92	6	60-130/25
99-87-6	p-Isopropyltoluene	ND		20	17.2	86	18.0	90	5	60-130/25
108-10-1	4-Methyl-2-pentanone	ND		80	70.2	88	88.1	110	23	60-130/25
74-83-9	Methyl bromide	ND		20	16.7	84	19.4	97	15	60-130/25
74-87-3	Methyl chloride	ND		20	14.5	73	15.4	77	6	60-130/25
74-95-3	Methylene bromide	ND		20	19.7	99	22.2	111	12	60-130/25
75-09-2	Methylene chloride	ND		20	18.3	92	19.9	100	8	60-130/25
78-93-3	Methyl ethyl ketone	ND		80	59.4	74	73.2	92	21	60-130/25
1634-04-4	Methyl Tert Butyl Ether	0.97	J	20	19.6	93	22.7	109	15	60-130/25
91-20-3	Naphthalene	ND		20	17.1	86	20.4	102	18	60-130/25
103-65-1	n-Propylbenzene	ND		20	17.6	88	18.4	92	4	60-130/25
100-42-5	Styrene	ND		20	18.4	92	19.7	99	7	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND		20	19.6	98	22.4	112	13	60-130/25
75-65-0	Tert-Butyl Alcohol	ND		100	90.0	90	117	117	26* a	60-130/25
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	18.4	92	20.3	102	10	60-130/25
71-55-6	1,1,1-Trichloroethane	ND		20	19.4	97	20.6	103	6	60-130/25
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	17.7	89	20.9	105	17	60-130/25
79-00-5	1,1,2-Trichloroethane	ND		20	17.5	88	20.2	101	14	60-130/25
87-61-6	1,2,3-Trichlorobenzene	ND		20	17.8	89	19.7	99	10	60-130/25
96-18-4	1,2,3-Trichloropropane	ND		20	15.8	79	19.0	95	18	60-130/25
120-82-1	1,2,4-Trichlorobenzene	ND		20	17.6	88	18.9	95	7	60-130/25
95-63-6	1,2,4-Trimethylbenzene	ND		20	17.3	87	18.3	92	6	60-130/25
108-67-8	1,3,5-Trimethylbenzene	ND		20	17.5	88	18.6	93	6	60-130/25
127-18-4	Tetrachloroethylene	ND		20	15.9	80	16.8	84	6	60-130/25
108-88-3	Toluene	ND		20	17.2	86	18.5	93	7	60-130/25
79-01-6	Trichloroethylene	ND		20	19.1	96	20.2	101	6	60-130/25
75-69-4	Trichlorofluoromethane	ND		20	15.3	77	16.4	82	7	60-130/25
75-01-4	Vinyl chloride	ND		20	15.8	79	16.5	83	4	60-130/25
1330-20-7	Xylene (total)	ND		60	53.5	89	57.2	95	7	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C12109-10	Limits
1868-53-7	Dibromofluoromethane	100%	101%	98%	60-130%

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C12109-10MS	N16718.D	1	08/18/10	TF	n/a	n/a	VN567
C12109-10MSD	N16719.D	1	08/18/10	TF	n/a	n/a	VN567
C12109-10	N16712.D	1	08/18/10	TF	n/a	n/a	VN567

The QC reported here applies to the following samples:

Method: SW846 8260B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Surrogate Recoveries	MS	MSD	C12109-10	Limits
2037-26-5	Toluene-D8	93%	94%	96%	60-130%
460-00-4	4-Bromofluorobenzene	100%	102%	99%	60-130%

(a) Outside control limits.

4.3.1  
4



## GC Volatiles

5

## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK563-MB	JK13886.D	1	08/23/10	JA	n/a	n/a	GJK563

The QC reported here applies to the following samples:

Method: SW846 8015B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Limits
98-08-8	aaa-Trifluorotoluene	93% 64-153%

5.1.1  
5

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK563-BS	JK13889.D	1	08/23/10	JA	n/a	n/a	GJK563
GJK563-BSD	JK13890.D	1	08/23/10	JA	n/a	n/a	GJK563

The QC reported here applies to the following samples: Method: SW846 8015B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.125	0.109	87	0.112	90	3	65-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	98%	98%	64-153%

5.2.1  
5



# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C12109  
**Account:** ESTCASJ Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C12093-2MS	JK13893.D	1	08/23/10	JA	n/a	n/a	GJK563
C12093-2MSD	JK13894.D	1	08/23/10	JA	n/a	n/a	GJK563
C12093-2	JK13892.D	1	08/23/10	JA	n/a	n/a	GJK563

The QC reported here applies to the following samples: Method: SW846 8015B

C12109-1, C12109-2, C12109-3, C12109-4, C12109-5, C12109-6, C12109-7, C12109-8, C12109-9, C12109-10

CAS No.	Compound	C12093-2 mg/l	Spike Q mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	0.125	0.118	94	0.112	90	5	65-135/25

CAS No.	Surrogate Recoveries	MS	MSD	C12093-2	Limits
98-08-8	aaa-Trifluorotoluene	94%	96%	93%	64-153%

5.3.1  
5