

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

January 8, 2013

**RECEIVED**

By Alameda County Environmental Health at 10:30 am, Jan 30, 2013

Mr. Mark Detterman  
ACJCSA  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**SUBJECT: 2<sup>ND</sup> SEMI-ANNUAL 2012 GROUNDWATER  
MONITORING AND SAMPLING REPORT**  
15595 Washington Avenue, San Lorenzo, CA

Dear Mr. Detterman:

Enclosed, please find a copy of the January 7, 2013 subject 2<sup>nd</sup> Semi-Annual of 2012 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*  
MEDHI MOHAMMADIAN

**SECOND SEMI-ANNUAL OF 2012  
GROUNDWATER MONITORING AND  
SAMPLING AT THE PROPERTY  
LOCATED AT 15595 WASHINGTON AVENUE  
SAN LORENZO, CALIFORNIA  
JANUARY 7, 2013**

**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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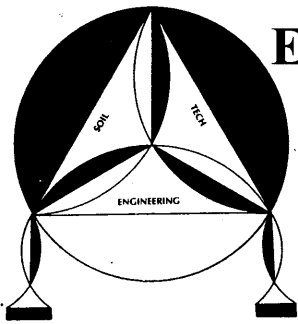
Groundwater Sampling	SOP1
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# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 694-3447

January 7, 2013

File No. 12-99-702-SI

**Mr. Mehdi Mohammadian**

Cal Gas

15595 Washington Avenue

San Lorenzo, California 94580

**SUBJECT: SECOND SEMI-ANNUAL OF 2012 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 November 2012. Samples were collected from all ten monitoring wells. The results continue to give positive indication that gasoline concentrations are declining and that the plume of contaminated groundwater is dissipating steadily due to natural attenuation processes. The Total Petroleum Hydrocarbon concentration was below the detection limit in all wells except MW-5. As predicted in our monitoring report for the first quarter of 2010, the concentration of methyl tertiary butyl ether (MTBE) remains below 10 parts per billion in the most downgradient well (STMW-6), and is also below that level in the most impacted well (MW-5).

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

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



**ENVIRO SOIL TECH CONSULTANTS**



## **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 downgradient 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 the following tasks:

- Measure the depth to groundwater in each well
- Purge and sample all wells
- 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 the results and prepare a monitoring report

## **GROUNDWATER MONITORING**

After the wells were opened and allowed to equilibrate with atmospheric pressure, the depth to groundwater was measured and recorded. Then a disposal 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 site's plastic storage tank and water, and a fresh sample was collected and decanted in 40-ml glass vials. The samples were labeled and placed in a cold ice chest and then transported to Accutest 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 November 14, 2012 ranged from slightly more than 7.5 feet in STMW-6 and STMW-8 to slightly less than 10 feet in MW-5 (Table 1). This is slightly deeper than in the first quarter of 2012 but shallower than in the third quarter of 2011. The depth data were converted to elevation relative to sea level and contoured in Figure 2. The overall groundwater flow direction is slightly south of west, but varies from due west at the south end of the site to slightly north of west at the north end of the site.

## **ANALYTICAL RESULTS**

The laboratory report is in Appendix "F" and the analytical results are summarized in Table 1. Isocontour maps of the TPHg, Benzene, and MTBE concentrations are given in Figures 3 through 5.

MW-5 is the only well in which Total Petroleum Hydrocarbons in the gasoline range were detected above the standard detection limit of 50 parts per billion. The concentration of 1080 ppb is the lowest concentration detected in this well since the fourth quarter of 2000, and is only 55% of the concentration that was detected in the first quarter of 2012.

Likewise, the concentrations of volatile aromatic hydrocarbons (BTEX) were below the detection limit in all wells except MW-5. Even in this well, none of these compounds was above 3 parts per billion. As noted in our report for the first quarter, the benzene concentration in MW-5 has been stable between 1 and 3 parts per billion for several quarters now.

Methyl tertiary butyl ether (MTBE) was detected in four wells. The values in MW-1, MW-3, and MW-6 are so low that they represent only estimated values. The value for MW-5 is 2.8 ppb, which is a new historical low for this well. Our monitoring report for the first quarter of 2010 included a graph of the MTBE concentration in STMW-6, and the report predicted that the concentration would drop below 10 µg/L by the first quarter of 2011. It reached that level in early 2012 and remains below that concentration. We did not predict when the concentration would drop below that level in MW-5, but this is the first time it has been this low.

The TBA concentration is also continuing to decline in MW-5, and in November it dropped to 42.7 parts per billion, which is a new historical low value. TBA was not detected in any other well.

## **CONCLUSIONS AND RECOMMENDATIONS**

The groundwater flow direction at this site is relatively stable in a generally westerly direction, but varies slightly from northwest to southwest depending on the specific location. Total Petroleum Hydrocarbons are below the standard detection limit in almost all wells, as are the concentrations of volatile aromatic hydrocarbons (BTEX), and continue to decline. The MTBE concentration exceeds the detection limit of 1 part per billion in only one well, but is still below the taste and odor threshold for MTBE.

The Alameda County Health Care Services Agency-Environmental Health Services requested further assessment southwest of the site in a letter dated November 28, 2011, and ESTC submitted a work plan to comply with that request in February 2012. However, the State Underground Tank Cleanup Fund concurs with our previous conclusion that the site is a low-risk groundwater case and should be closed with no further action. Therefore, the Fund has not approved additional expenditures for further assessment.

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.

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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  
January 7, 2013

# **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
2/10/11				8.54†	14.02	No sheen or odor	24.8h	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/04/11				8.60†	13.96	No sheen or odor	39.1h	ND <1	ND <1	ND <1	ND <2	0.68h	ND <1	ND <10	ND <1	None Detected<1
2/15/12				9.08†	13.48	No sheen or odor	23h	ND <1	ND <1	ND <1	ND <2	0.29h	ND <1	ND <10	ND <1	None Detected<1
11/14/12				8.8†	13.76	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.63h	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

**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
1/26/99	MW-2 (22.07)	15	5-15	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
11/22/00				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

**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
1/17/04	MW-2 (21.94)	15	5-15	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
3/21/05				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

**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
9/10/08	MW-2 (21.70)	15	5-15	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
2/10/11				7.44†	14.26	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
8/04/11				7.44†	14.26	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
2/15/12				7.96†	13.74	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
11/14/12				7.65†	14.05	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
8/08/96	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

**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-3 (22.56)	16	5-15	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
1/17/03				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

**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-3 (22.56)	16	5-15	7.38†	15.18	No sheen or odor	3500c	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
9/24/07				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

**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
2/10/11	MW-3 (22.19)	16	5-15	8.33†	13.86	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.94h	ND <1	ND <10	ND <1	None Detected<1
8/04/11				8.25†	13.94	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	1	ND <1	ND <10	ND <1	None Detected<1
2/15/12				8.80†	13.39	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.74h	ND <1	ND <10	ND <1	None Detected<1
11/14/12				8.45†	13.74	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.69h	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<5	NA	ND<5	Naphthalene 0.81
4/17/03				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



**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
7/06/04	MW-4 (23.40)	20	10-20	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
9/24/07				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

**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
9/09/09	MW-4 (23.14)	20	10-20	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
2/10/11				9.06*	14.08	No sheen or odor	45.1h	ND <1	ND <1	ND <1	ND <2	0.62h	ND <1	ND <10	ND <1	None Detected<1
8/04/11				9.20*	13.94	No sheen or odor	45.7h	ND <1	ND <1	ND <1	ND <2	0.5h	ND <1	ND <10	ND <1	None Detected<1
2/15/12				9.59*	13.55	No sheen or odor	60.7h	ND <1	ND <1	ND <1	ND <2	0.44h	ND <1	ND <10	ND <1	None Detected<1
11/14/12				9.40*	13.74	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
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
2/09/11				9.66*	14.00	No sheen Petroleum odor	2280	2h	ND <5	7.6	ND <10	12.2	ND <5	111	ND <5	n-Butylbenzene 32.9 sec-Butylbenzene 16.9h Isopropylbenzene 66 Naphthalene 64.4 n-Propylbenzene 214
8/04/11				9.66*	14.00	Rainbow sheen Sewerage odor	2960	ND <5	ND <5	7	ND <10	ND <5	ND <5	69.6	ND <5	n-Butylbenzene 33 sec-Butylbenzene 15.2h Isopropylbenzene 55.2 Naphthalene 59.6 n-Propylbenzene 202
2/15/12				10.18†	13.48	Rainbow sheen Petroleum odor	1950	1h	ND <5	4.6h	ND <10	6.4	ND <5	73.6	ND <5	n-Butylbenzene 21.5 sec-Butylbenzene 10.6 Isopropylbenzene 42.1 Naphthalene 42.9 n-Propylbenzene 140

**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
11/14/12	MW-5 (23.66)	20	10-20	9.87*	13.79	Rainbow sheen Petroleum odor	1080	0.32h	0.30h	2.3	ND <2	2.8	ND <1	42.7	ND <1	n-Butylbenzene 12.3 sec-Butylbenzene 8.0 Isopropylbenzene 26.8 Naphthalene 5.4 n-Propylbenzene 82.2 1,2,3-Trichloropropane 0.37h
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	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	16.3	ND <1	None Detected<1
8/11/10				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
2/09/11				7.48†	13.36	No sheen or odor	21.9h	ND <1	ND <1	ND <1	ND <2	13.7	ND <1	ND <10	ND <1	None Detected<1
8/04/11				7.44†	13.81	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	29.2	0.39h	ND <10	ND <1	None Detected<1
2/15/12				7.94†	12.90	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	2.8	ND <1	ND <10	ND <1	None Detected<1
11/14/12				7.64†	13.20	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.94h	0.41h	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

**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
9/10/08	STMW-7 (22.53)	22	7-22	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
2/09/11				8.65†	13.88	No sheen or odor	25.4h	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
8/04/11				8.72†	13.81	No sheen or odor	37.1h	ND <1	ND <1	ND <1	ND <2	ND <1	ND <1	ND <10	ND <1	None Detected<1
2/15/12				9.18†	13.35	No sheen or odor	21.4h	ND <1	ND <1	ND <1	ND <2	0.32h	ND <1	ND <10	ND <1	None Detected<1
11/14/12				8.93†	13.60	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-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
2/09/11	STMW-8 (21.06)	23	8-23	7.55*	13.51	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
8/04/11				7.60*	13.46	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
2/15/12				8.02†	13.04	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
11/14/12				7.81*	13.25	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-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
2/09/11				8.22†	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
8/04/11				8.36†	13.58	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
2/15/12				8.68†	13.26	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
11/14/12				8.57†	13.37	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-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	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	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	ND <1	ND <10	ND <1	None Detected<1
2/10/11				8.12†	13.03	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.65h	ND <1	ND <10	ND <1	None Detected<1
8/04/11				8.20†	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
2/15/12				8.54†	12.61	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.29h	ND <1	ND <10	ND <1	None Detected<1
11/14/12				8.41†	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

**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)

**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

**TABLE 1 CONT'D**  
**GROUNDWATER MONITORING DATA (feet)**  
**AND ANALYTICAL RESULTS ( $\mu\text{g/L}$ )**

† Well screens are not submerged

\* Well screens are 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** A typical pattern. Value due to non-target compound(s)

**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
11/14/12	MW-1 (22.56)	15	5-15	8.8†	13.76	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.63h ND <1	ND <1	ND <10	ND <1	None Detected<1
11/14/12	MW-2 (21.70)	15	5-15	7.65†	14.05	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
11/14/12	MW-3 (22.19)	16	5-15	8.45†	13.74	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.69h ND <1	ND <1	ND <10	ND <1	None Detected<1
11/14/12	MW-4 (23.14)	20	10-20	9.40*	13.74	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
11/14/12	MW-5 (23.66)	20	10-20	9.87*	13.79	Rainbow sheen Petroleum odor	1080	0.32h	0.30h	2.3	ND <10	2.8	ND <5	42.7	ND <5	n-Butylbenzene 12.3 sec-Butylbenzene 8.0 Isopropylbenzene 26.8 Naphthalene 5.4 n-Propylbenzene 82.2 1,2,3-Trichloropropane 0.37h
11/14/12	STMW-6 (20.84)	22	7-22	7.64†	13.20	No sheen or odor	ND <50	ND <1	ND <1	ND <1	ND <2	0.94h ND <1	0.41h ND <1	ND <10	ND <1	None Detected<1
11/14/12	STMW-7 (22.53)	22	7-22	8.93†	13.60	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
11/14/12	STMW-8 (21.06)	23	8-23	7.81†	13.25	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
11/14/12	STMW-9 (21.94)	22	7-22	8.57†	13.37	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
11/14/12	STMW-10 (21.15)	22	7-22	8.41†	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

**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

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

**PCE** - Tetrachloroethylene

**TCE** - Trichloroethylene

**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

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

### **FIGURES**

**ENVIRO SOIL TECH CONSULTANTS**

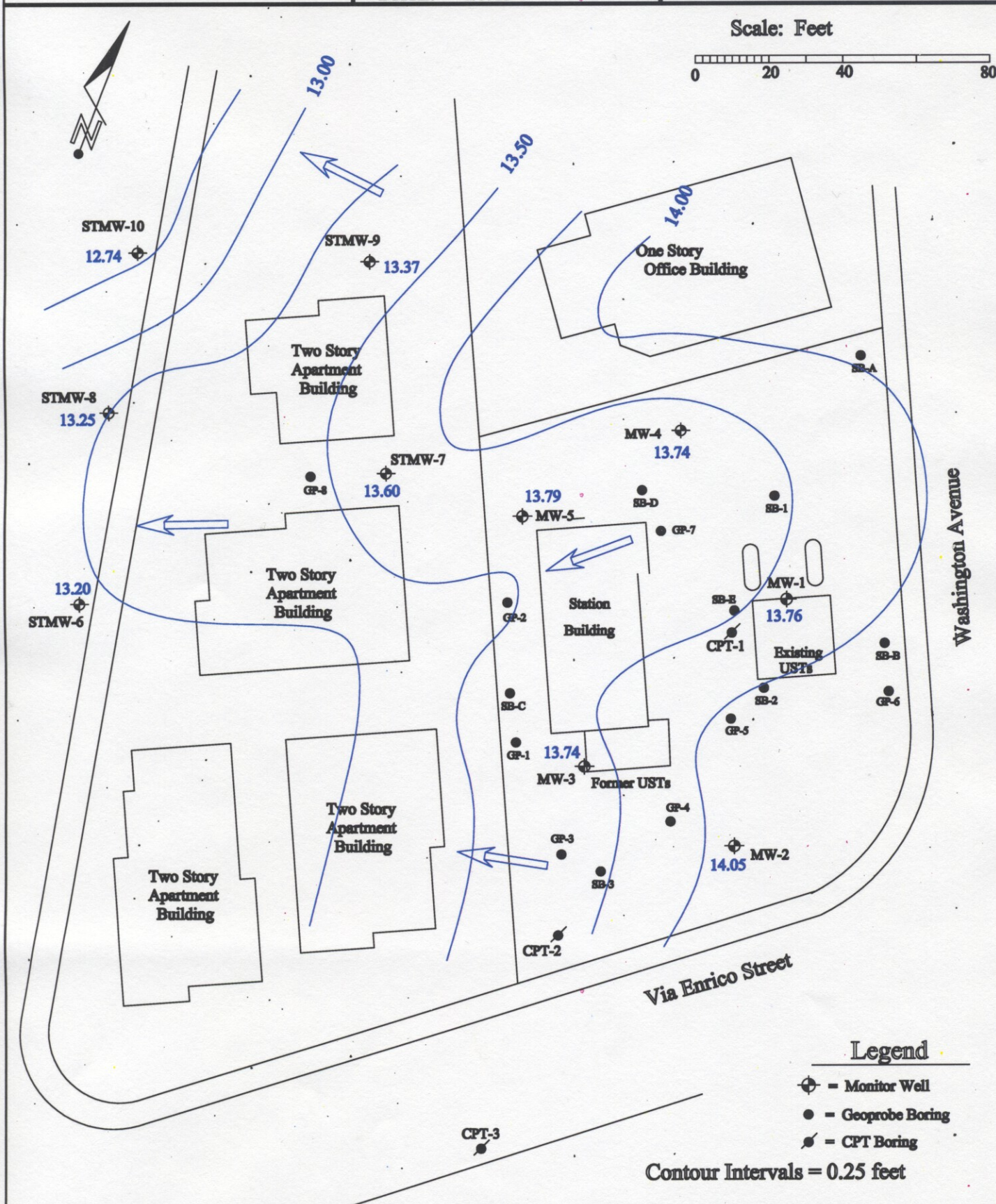
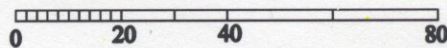


**15595 WASHINGTON AVENUE, SAN LORENZO, CA**

**ENVIRO SOIL TECH CONSULTANTS**

Figure 1

Scale: Feet

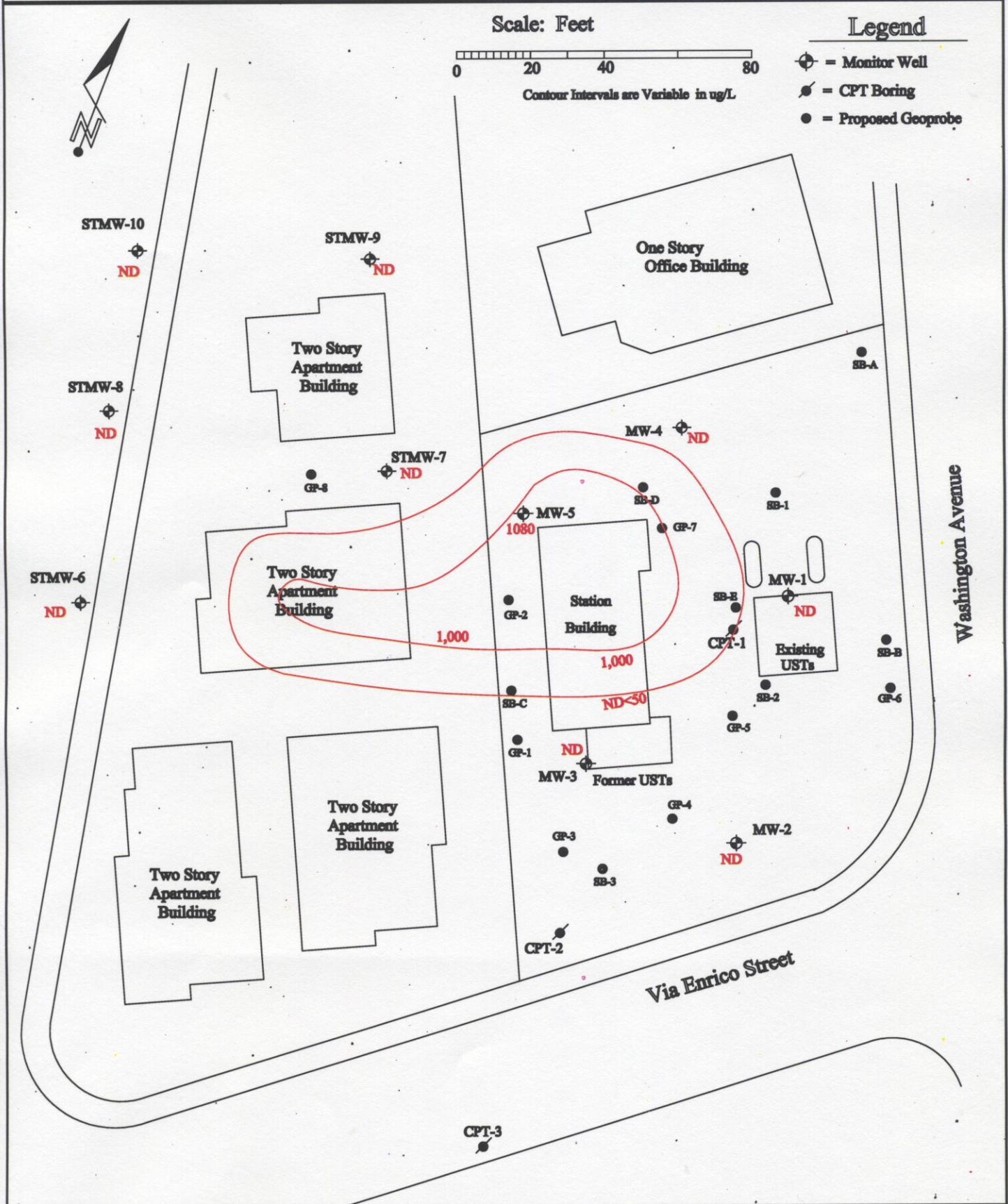


Legend

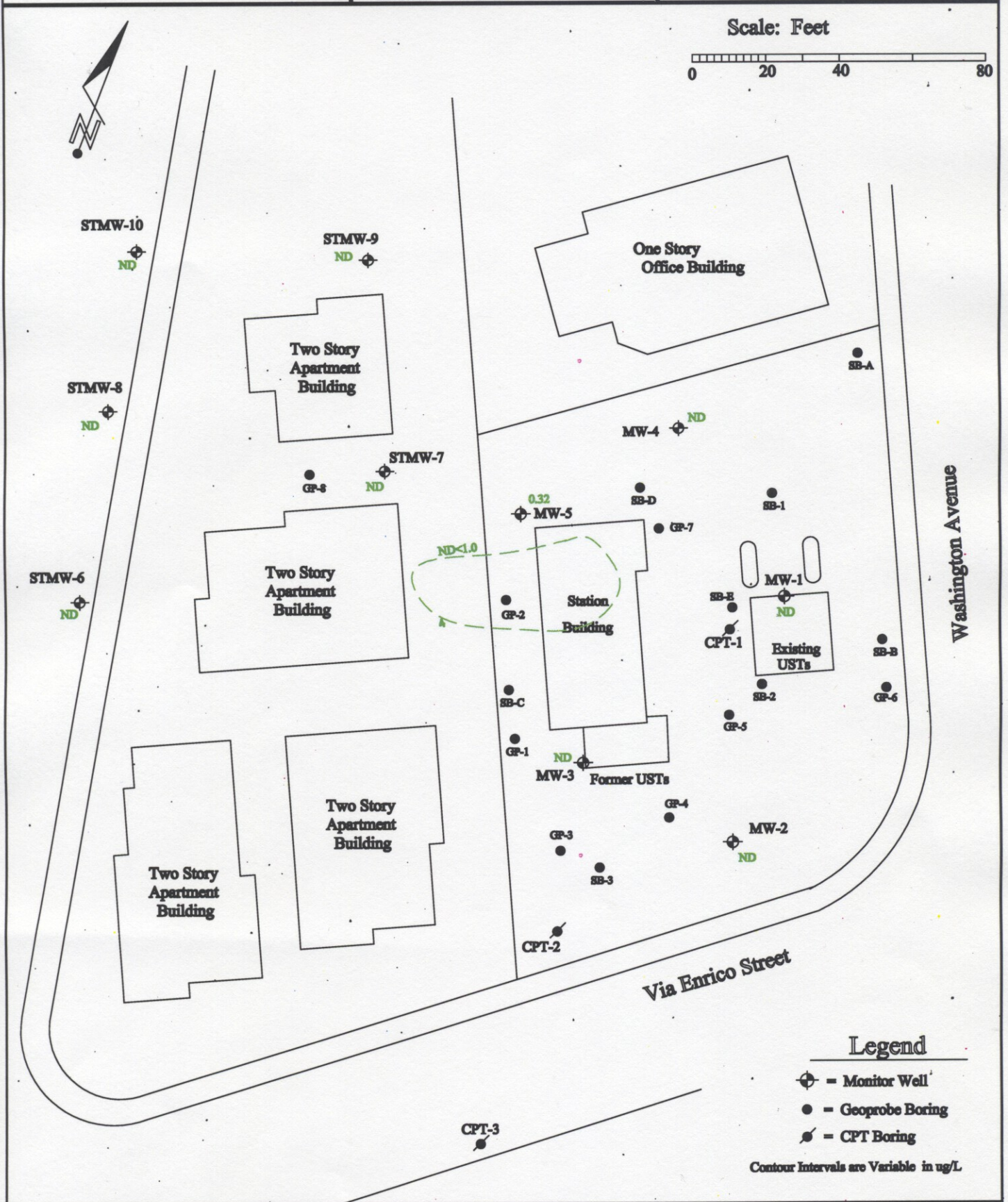
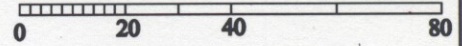
- ⊕ - Monitor Well
- - Geoprobe Boring
- ⦿ - CPT Boring

Contour Intervals = 0.25 feet





Scale: Feet

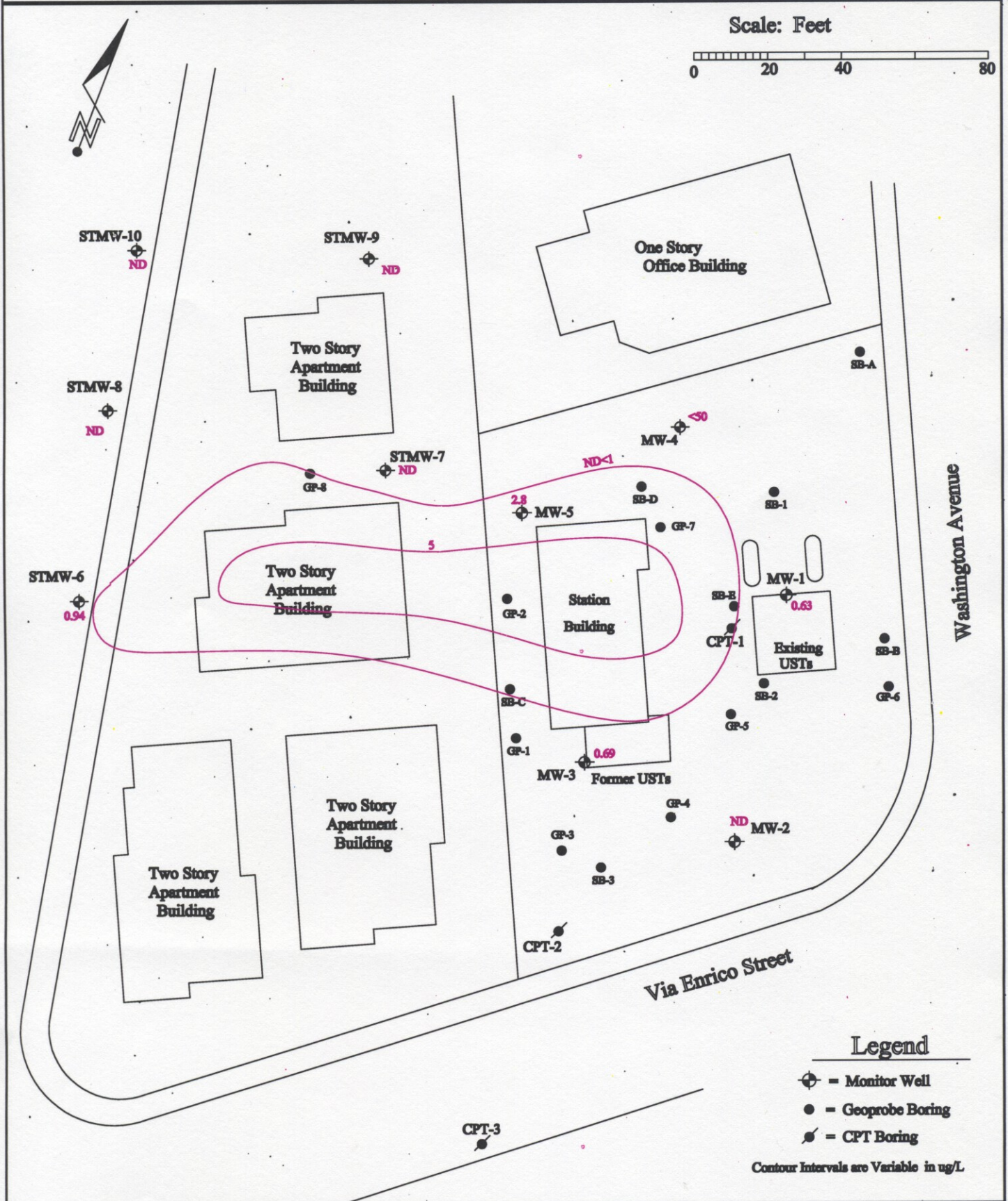
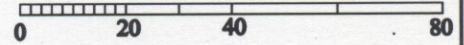


Legend

- ⊕ = 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

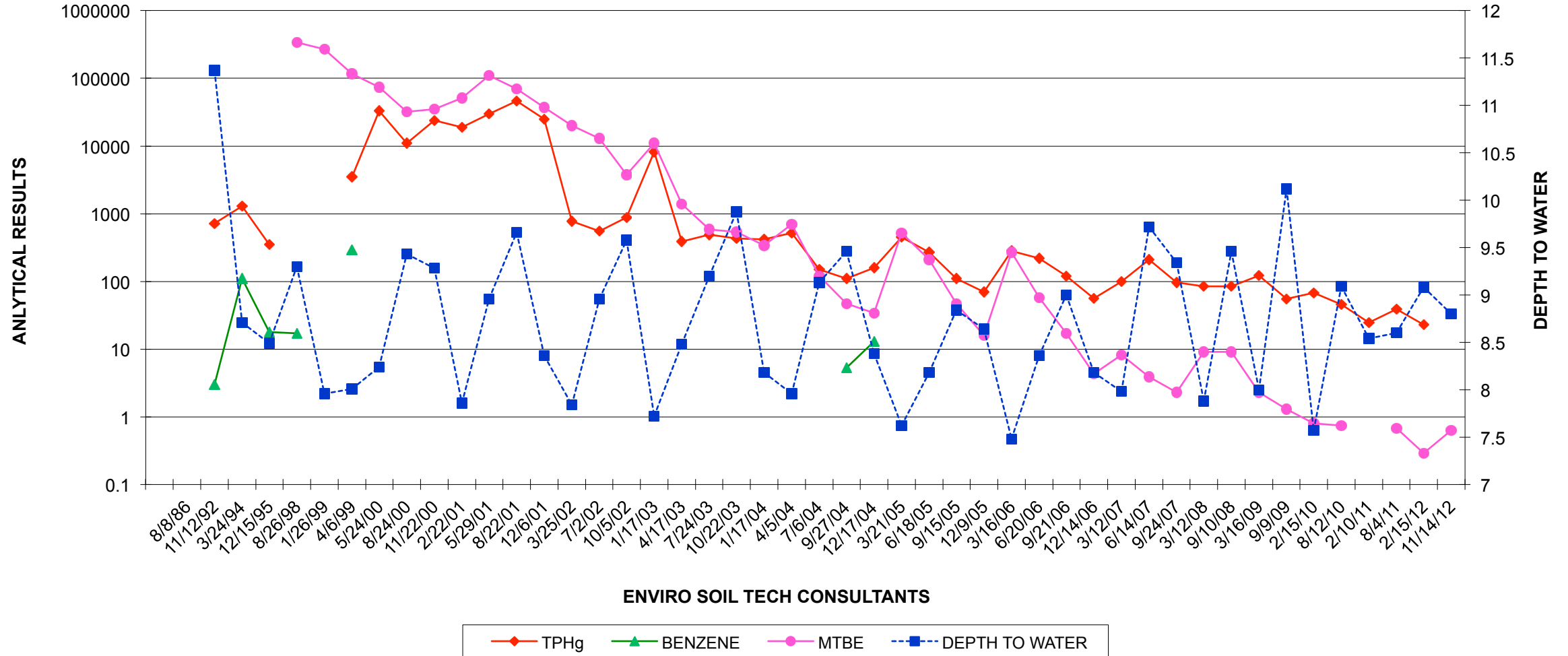
File No. 12-99-702-SI  
January 7, 2013

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

### **HYDROGRAPHS**

**ENVIRO SOIL TECH CONSULTANTS**

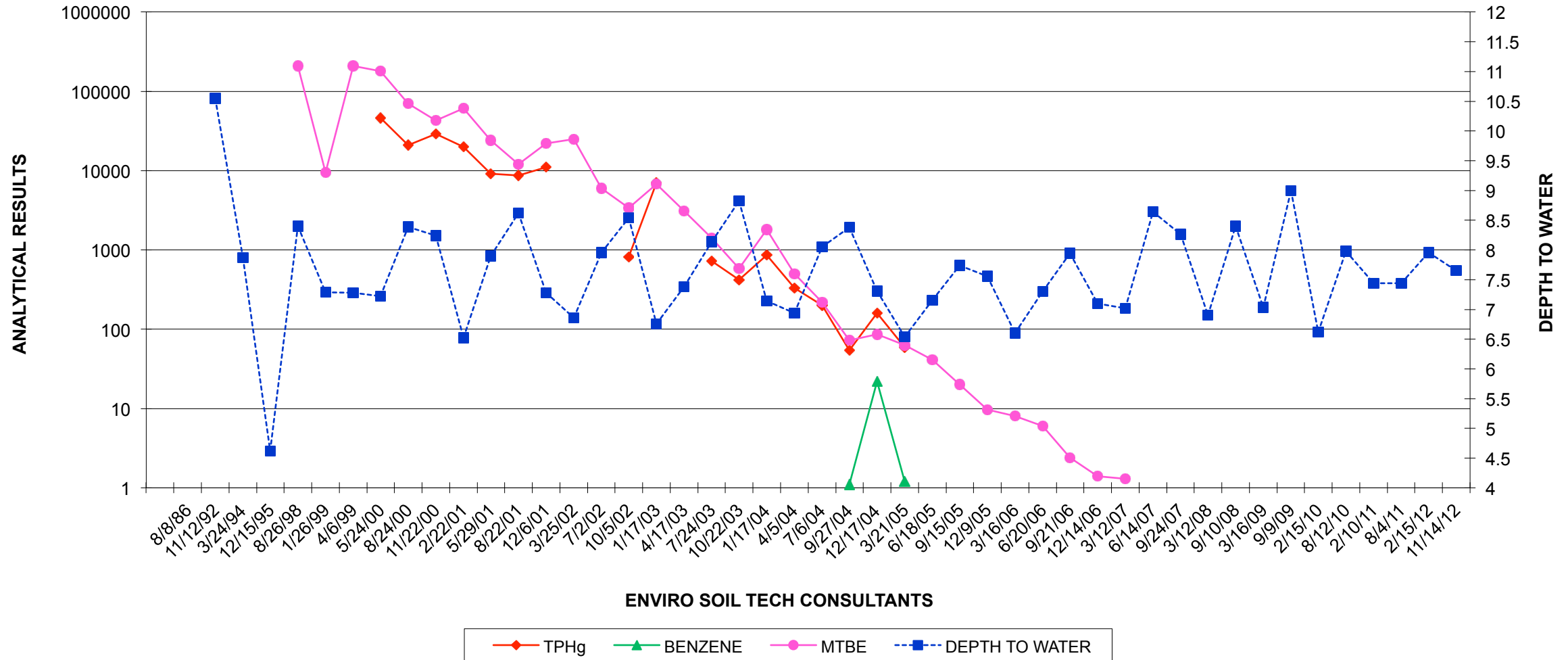
**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE FOR MW-1 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



ENVIRO SOIL TECH CONSULTANTS



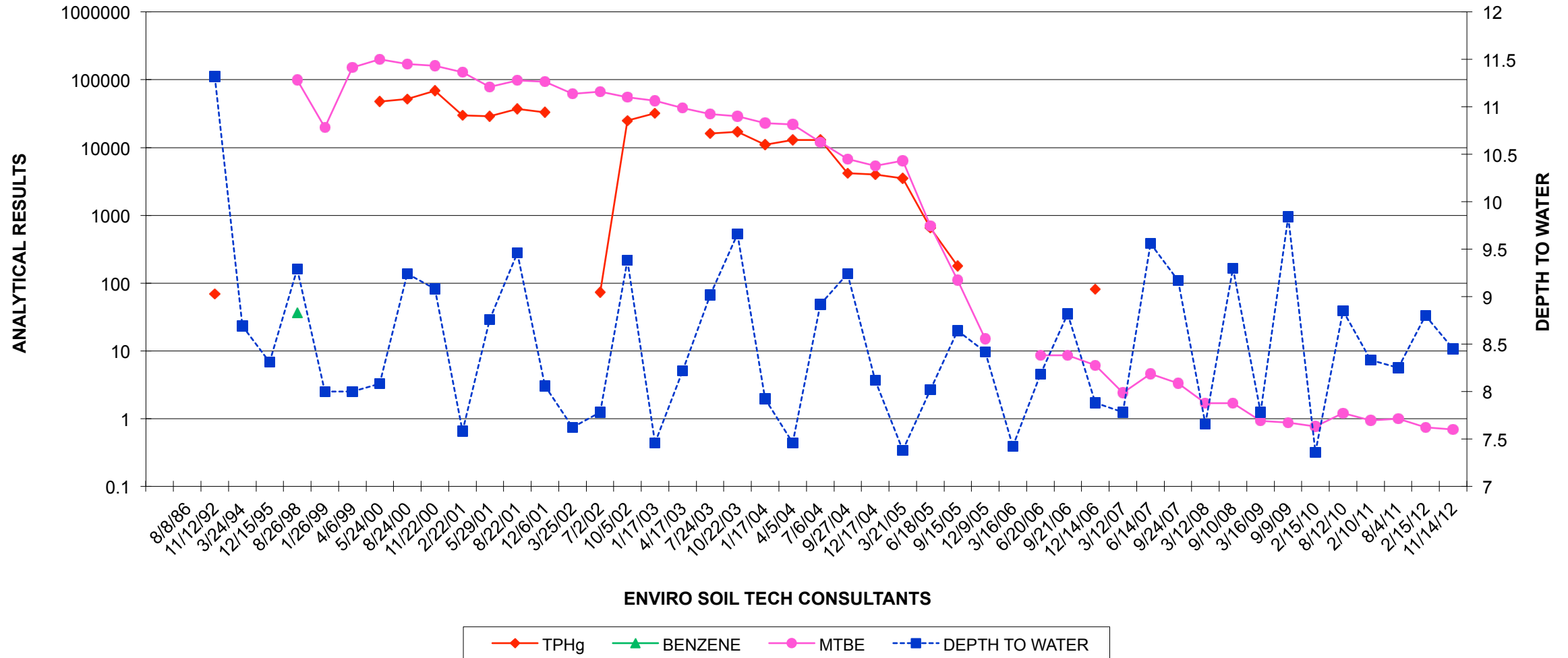
**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE RESULTS FOR MW-2 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



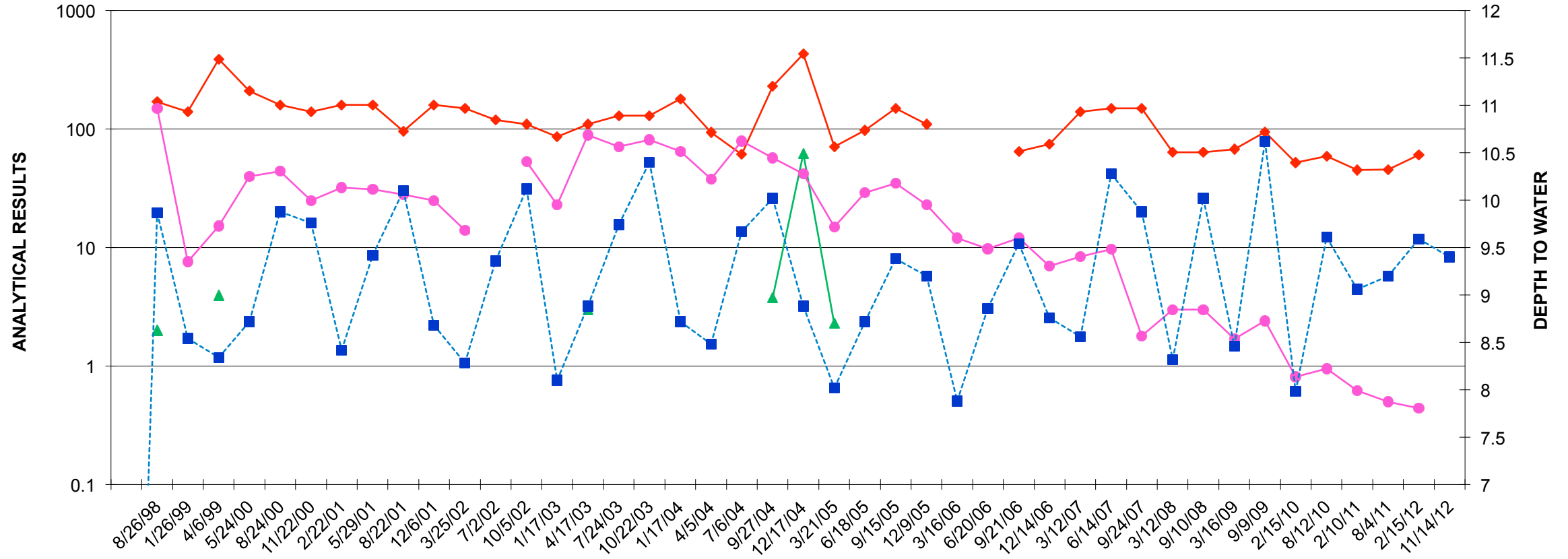
ENVIRO SOIL TECH CONSULTANTS



**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)**

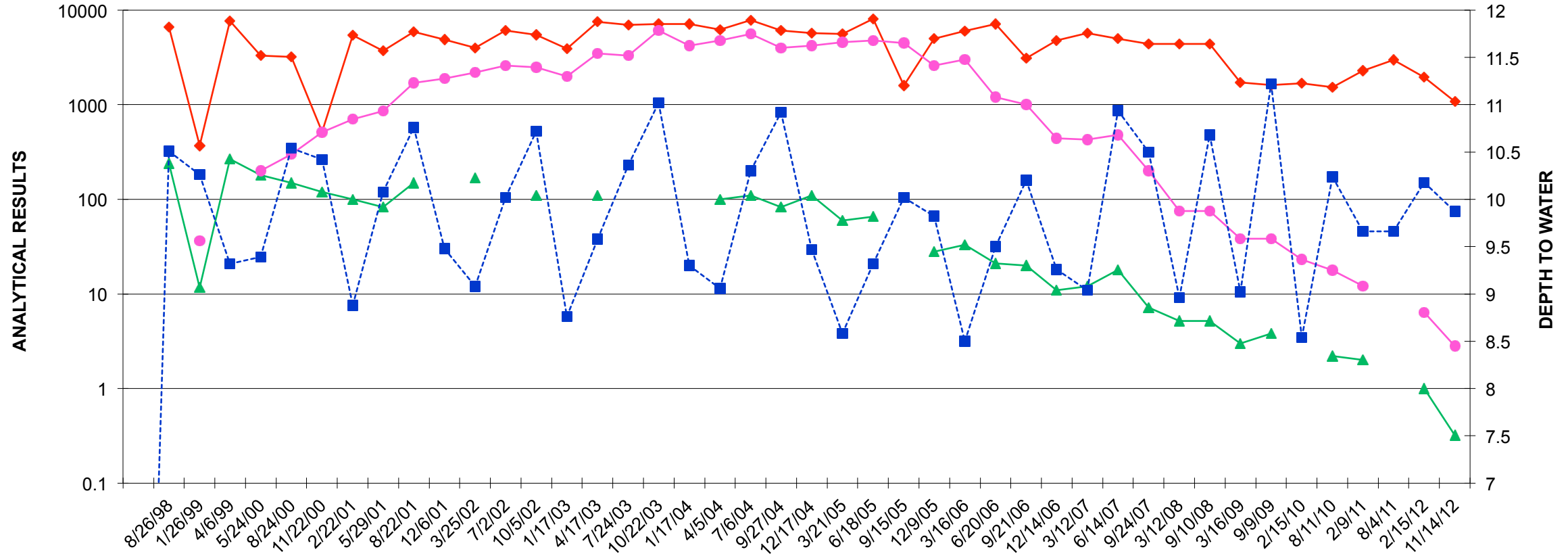


**ENVIRO SOIL TECH CONSULTANTS**





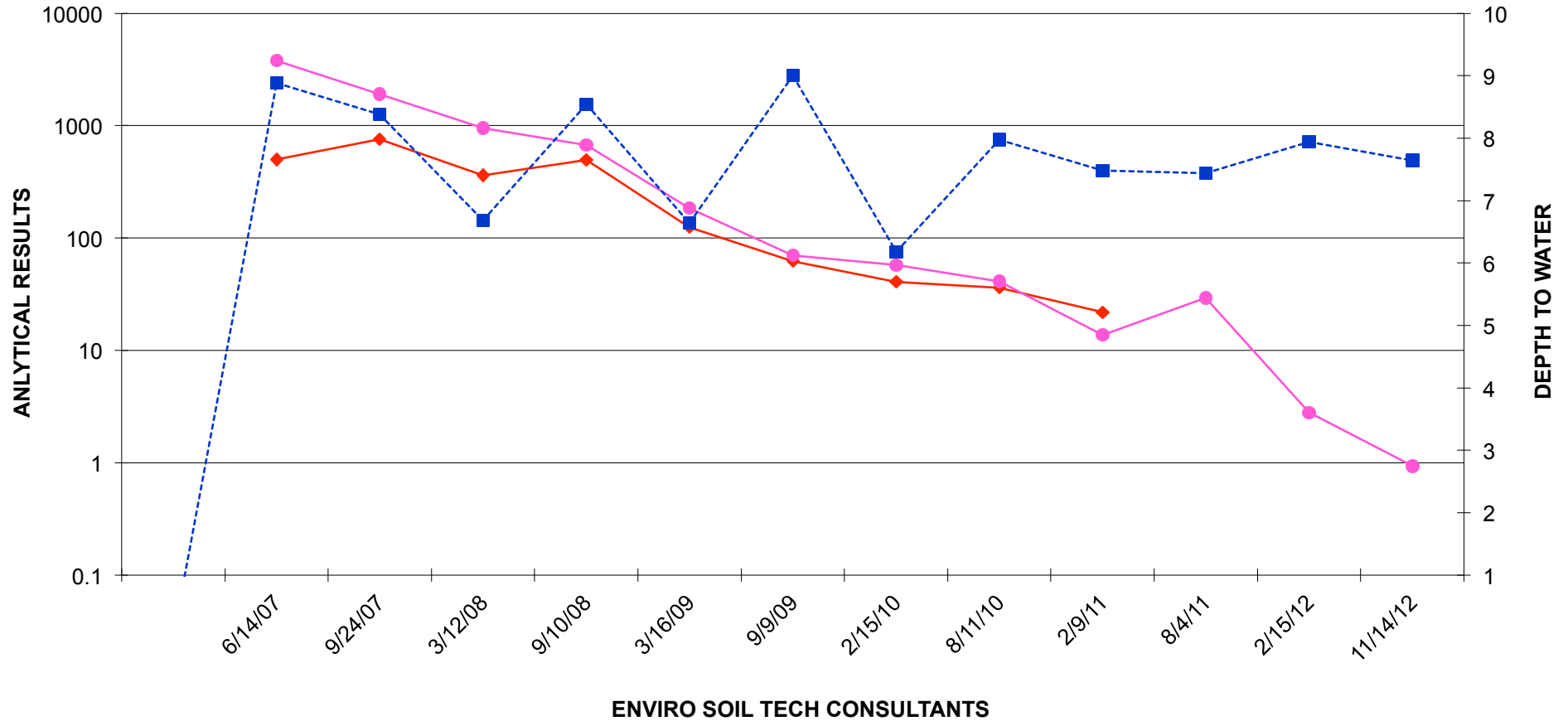
**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE RESULTS FOR MW-5 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



**ENVIRO SOIL TECH CONSULTANTS**

TPHg	BENZENE	MTBE	DEPTH TO WATER
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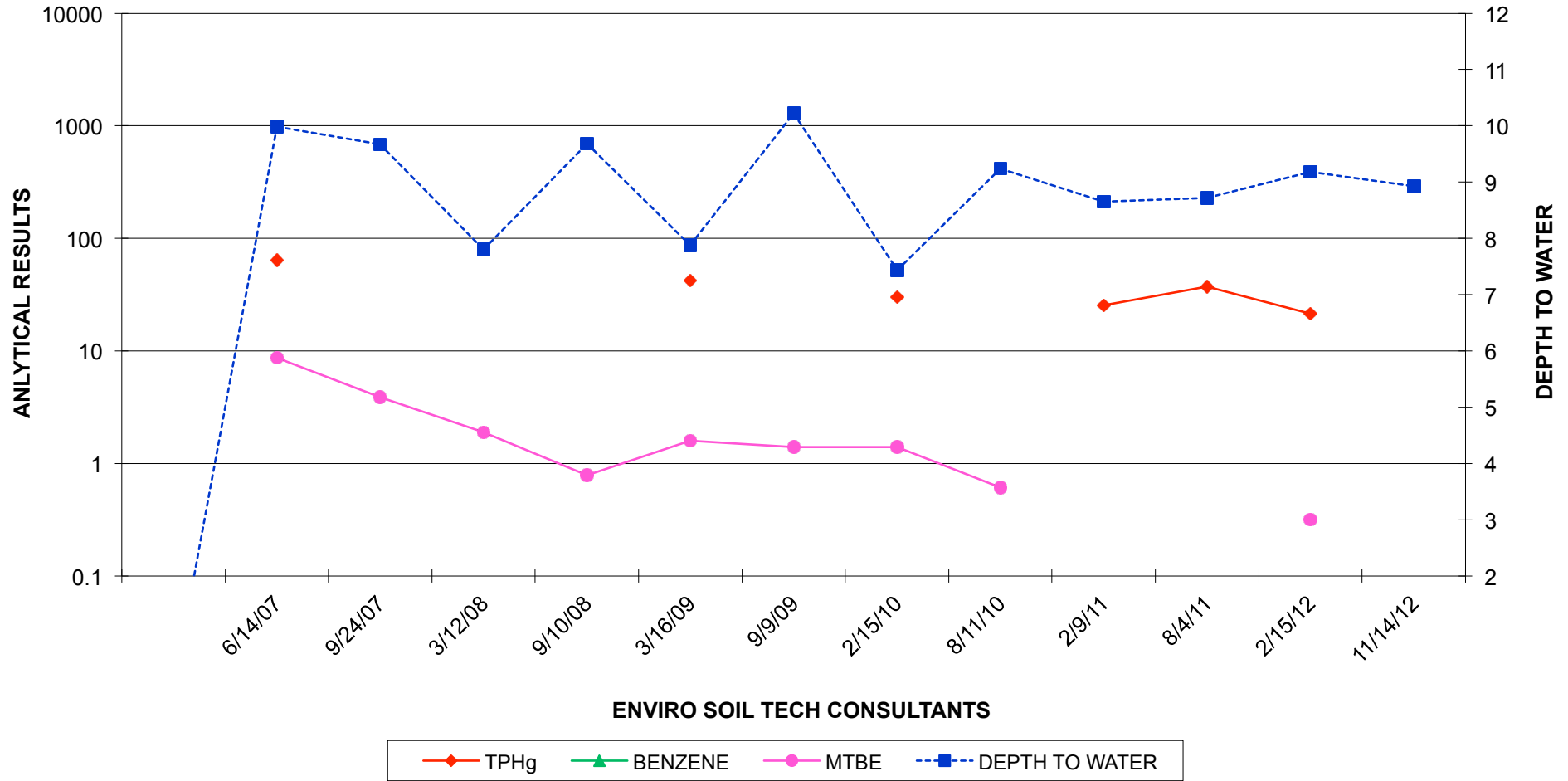
File No.: 12-99-702-SI  
 TPHg, BENZENE & MTBE FOR STMW- 6 (µg/L)  
 AND DEPTH TO WATER MEASUREMENT (Feet)



ENVIRO SOIL TECH CONSULTANTS

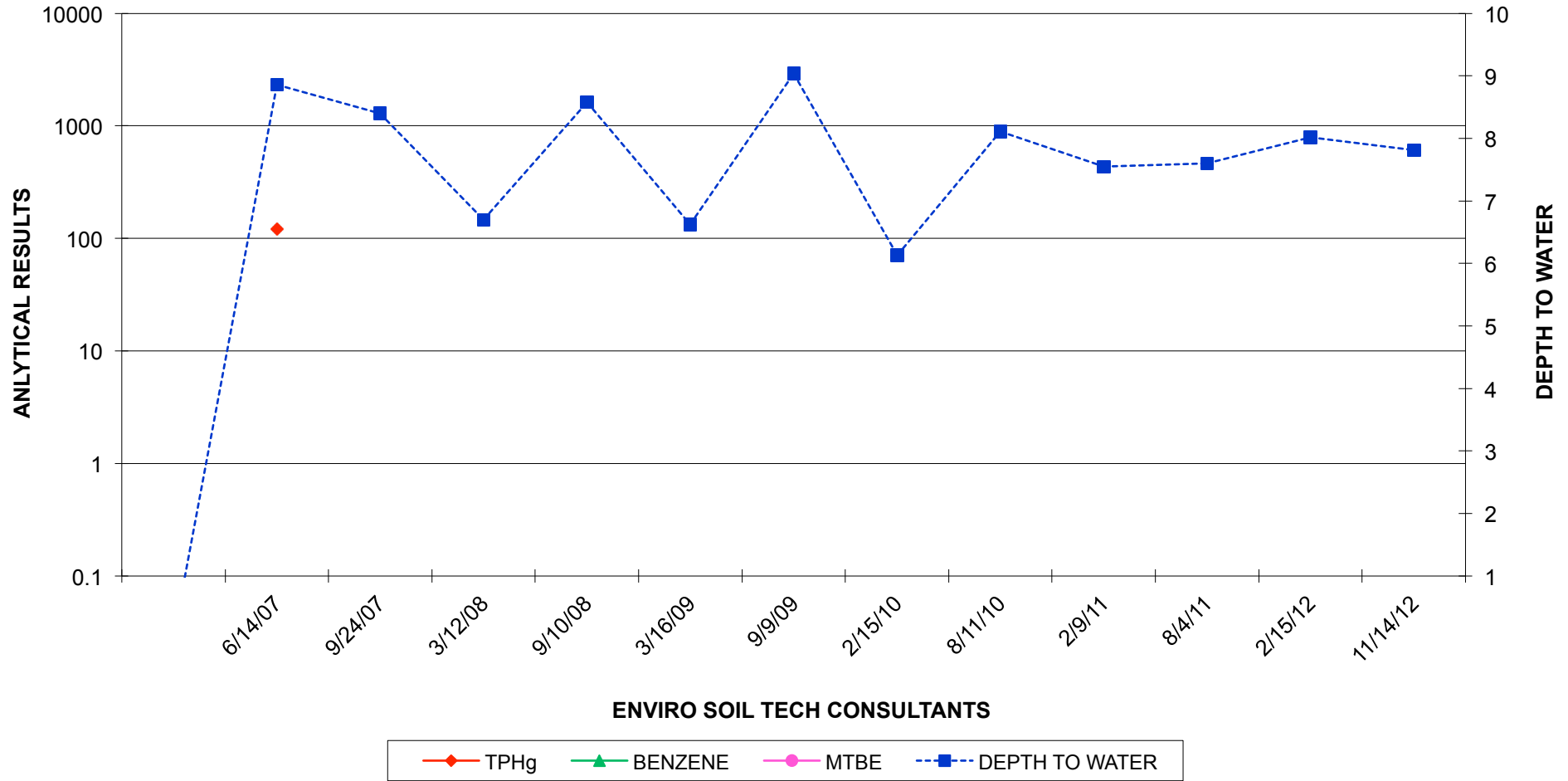


**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE FOR STMW- 7 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



**ENVIRO SOIL TECH CONSULTANTS**

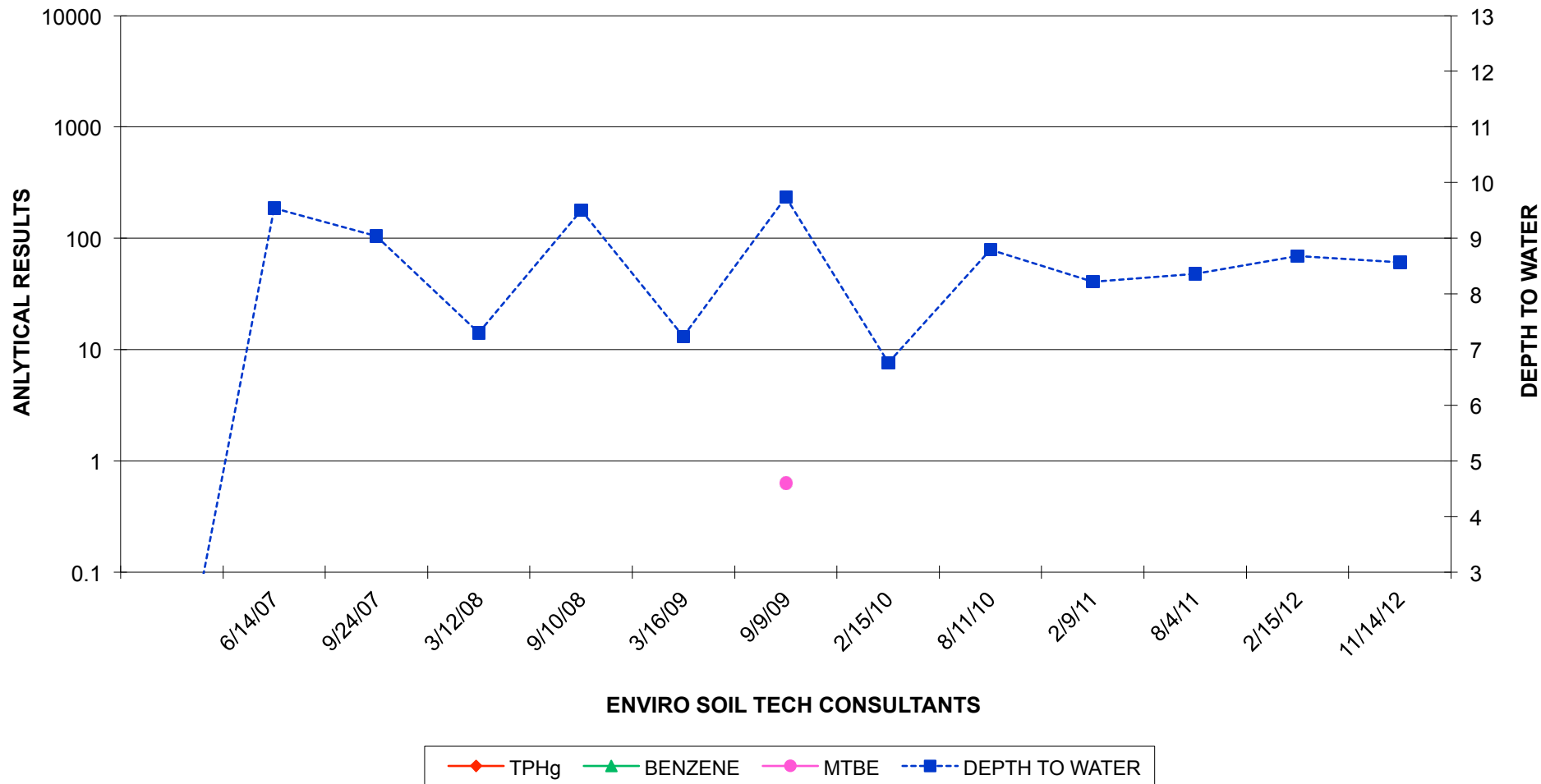
**File No.: 12-99-702-SI**  
**TPHg, BENZENE & MTBE FOR STMW- 8 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



**ENVIRO SOIL TECH CONSULTANTS**



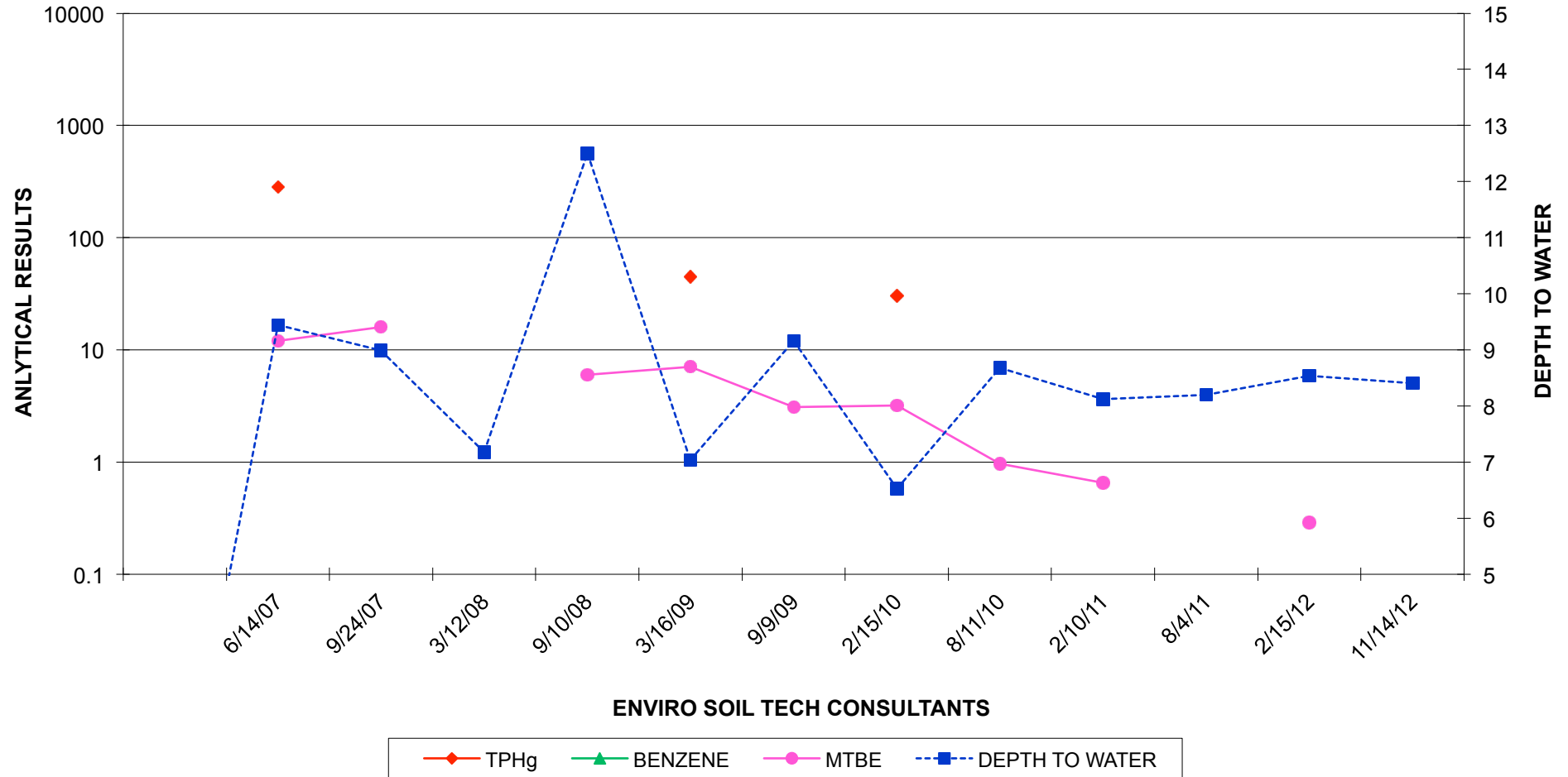
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**TPHg, BENZENE & MTBE FOR STMW- 9 (µg/L)**  
**AND DEPTH TO WATER MEASUREMENT (Feet)**



**ENVIRO SOIL TECH CONSULTANTS**



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



**ENVIRO SOIL TECH CONSULTANTS**



File No. 12-99-702-SI  
January 7, 2013

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

### **STANDARD OPERATION PROCEDURE**

**ENVIRO SOIL TECH CONSULTANTS**

## **GROUNDWATER SAMPLING**

All 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 collection of groundwater samples.

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.

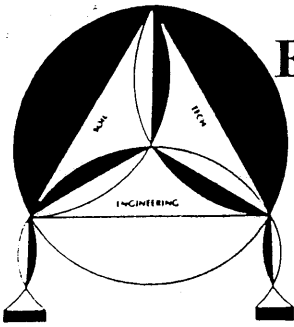


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**A P P E N D I X "E"**

**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

DATE: 11-14-12

DEPTH TO WELL: 15 feet

DEPTH TO WATER: 8.80 ft

HEIGHT OF WATER COLUMN: 6.2 ft

WELL NO.: MW-1

SAMPLER: HAMEI

1 WELL VOLUME: 1.012

5 WELL VOLUME: 5.06

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER:  2"  4"

## CALCULATIONS:

$$2'' - x 0.1632 \times 6.2 = 1.012 \times 5 = 5.06$$

$$4'' - 0.653$$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

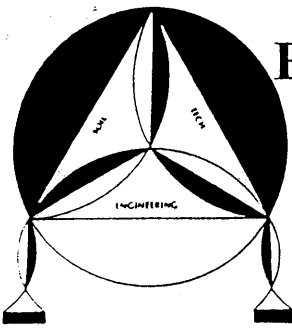
SAMPLE METHOD:  BAILER  OTHER

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</u>	<u>7.84</u>	<u>22.5</u>	<u>689</u>
_____	<u>2</u>	<u>7.71</u>	<u>22.1</u>	<u>686</u>
_____	<u>3</u>	<u>7.68</u>	<u>22.1</u>	<u>685</u>
_____	<u>4</u>	<u>7.62</u>	<u>21.9</u>	<u>683</u>
_____	<u>5</u>	<u>7.59</u>	<u>21.8</u>	<u>682</u>



# 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.: MW-2

DATE: 11-14-12

SAMPLER: HAMEI

DEPTH TO WELL: 15 feet

1 WELL VOLUME: 1.199

DEPTH TO WATER: 7.65 ft

5 WELL VOLUME: 5.995

HEIGHT OF WATER COLUMN: 7.35 ft

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 x 7.35 = 1.199 x 5 = 5.995

4" - 0.653 \_\_\_\_\_

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

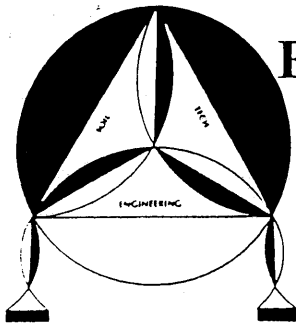
SAMPLE METHOD: X BAILER \_\_\_\_\_ OTHER

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

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

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>1</u>	<u>8.06</u>	<u>22.8</u>	<u>540</u>
_____	<u>2.5</u>	<u>7.82</u>	<u>22.5</u>	<u>5.85</u>
_____	<u>3.5</u>	<u>7.79</u>	<u>22.3</u>	<u>5.89</u>
_____	<u>5</u>	<u>7.78</u>	<u>22.1</u>	<u>5.84</u>
_____	<u>6</u>	<u>7.77</u>	<u>22.0</u>	<u>5.83</u>



# 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-3

DATE: 11-14-12

SAMPLER: HAMEI

DEPTH TO WELL: 16 feet

1 WELL VOLUME: 1.232

DEPTH TO WATER: 8.45 ft

5 WELL VOLUME: 6.16

HEIGHT OF WATER COLUMN: 7.55 ft

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_  2" \_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 x 7.55 = 1.232 x 5 = 6.16

4" - 0.653 \_\_\_\_\_

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

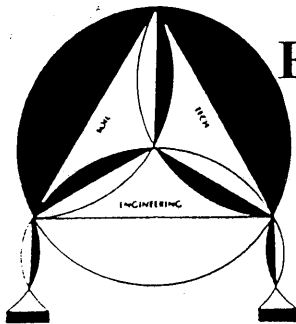
SAMPLE METHOD:  BAILER \_\_\_\_\_ OTHER

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</u>	<u>7.90</u>	<u>21.6</u>	<u>660</u>
_____	<u>3</u>	<u>7.87</u>	<u>21.3</u>	<u>665</u>
_____	<u>4</u>	<u>7.83</u>	<u>20.9</u>	<u>672</u>
_____	<u>5</u>	<u>7.81</u>	<u>20.8</u>	<u>674</u>
_____	<u>6</u>	<u>7.80</u>	<u>20.7</u>	<u>675</u>



# 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-4

DATE: 11-14-12

SAMPLER: HAMEI

DEPTH TO WELL: 20 feet

1 WELL VOLUME: 1.729

DEPTH TO WATER: 9.40 ft

5 WELL VOLUME: 8.645

HEIGHT OF WATER COLUMN: 10.6 ft

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER:  2"

4"

### CALCULATIONS:

$2'' - \times 0.1632 \times 10.6 = 1.729 \times 5 = 8.645$

$4'' - 0.653$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

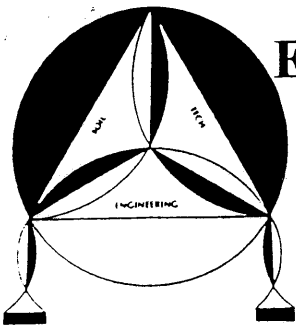
SAMPLE METHOD:  BAILER  OTHER

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

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

### FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	<u>1.75</u>	<u>8.02</u>	<u>21.1</u>	<u>857</u>
	<u>3.5</u>	<u>7.99</u>	<u>20.9</u>	<u>850</u>
	<u>5.5</u>	<u>7.96</u>	<u>20.7</u>	<u>847</u>
	<u>7</u>	<u>7.93</u>	<u>20.6</u>	<u>843</u>
	<u>9</u>	<u>7.93</u>	<u>20.6</u>	<u>843</u>



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI  
DATE: 11-14-12  
DEPTH TO WELL: 20 feet  
DEPTH TO WATER: 9.87 ft  
HEIGHT OF WATER COLUMN: 10.13 ft

WELL NO.: MW-5  
SAMPLER: HAMEI  
1 WELL VOLUME: 1.653  
5 WELL VOLUME: 8.265  
ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 x 10.13 = 1.653 x 5 = 8.265  
4" - 0.653 \_\_\_\_\_

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

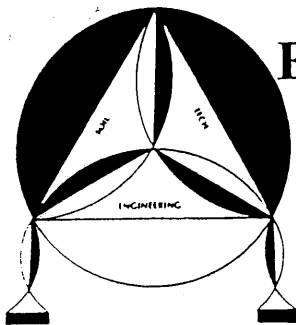
SAMPLE METHOD:  BAILER \_\_\_\_\_ OTHER

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

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

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>1.5</u>	<u>7.51</u>	<u>19.0</u>	<u>987</u>
_____	<u>3</u>	<u>7.48</u>	<u>19.2</u>	<u>977</u>
_____	<u>4.5</u>	<u>7.45</u>	<u>19.1</u>	<u>973</u>
_____	<u>6</u>	<u>7.47</u>	<u>18.9</u>	<u>970</u>
_____	<u>8</u>	<u>7.47</u>	<u>18.9</u>	<u>969</u>



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

DATE: 11-14-12

DEPTH TO WELL: 22 feet

DEPTH TO WATER: 7.64 ft

HEIGHT OF WATER COLUMN: 14.36 ft

WELL NO.: STMW-6

SAMPLER: HAMEI

1 WELL VOLUME: 2.343

5 WELL VOLUME: 11.715

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

$$2'' - \times 0.1632 \times 14.36 = 2.343 \times 5 = 11.715$$

$$4'' - 0.653$$

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

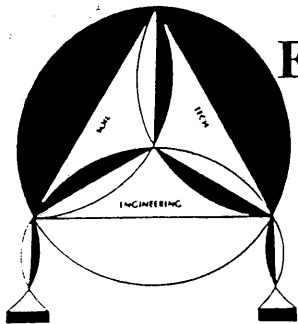
SAMPLE METHOD: X BAILER \_\_\_\_\_ OTHER

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

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

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>2.5</u>	<u>8.38</u>	<u>22.1</u>	<u>721</u>
_____	<u>5</u>	<u>8.12</u>	<u>21.7</u>	<u>701</u>
_____	<u>7.5</u>	<u>7.97</u>	<u>21.4</u>	<u>696</u>
_____	<u>10</u>	<u>7.96</u>	<u>21.4</u>	<u>690</u>
_____	<u>12</u>	<u>7.93</u>	<u>21.1</u>	<u>685</u>



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Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-SI

DATE: 11-14-12

DEPTH TO WELL: 22 feet

DEPTH TO WATER: 8.93 ft

HEIGHT OF WATER COLUMN: 13.07 ft

WELL NO.: STMW-7

SAMPLER: HAMEI

1 WELL VOLUME: 2.235

5 WELL VOLUME: 11.175

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

$$2'' - \times 0.1632 \times 13.07 = 2.235 \times 5 = 11.175$$

$$4'' - 0.653$$

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

SAMPLE METHOD: X BAILER \_\_\_\_\_ OTHER

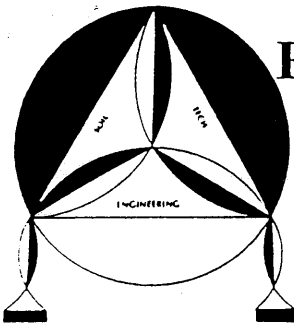
SHEEN: X NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

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

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>2.5</u>	<u>7.99</u>	<u>20.2</u>	<u>754</u>
_____	<u>5</u>	<u>7.96</u>	<u>19.8</u>	<u>729</u>
_____	<u>7.5</u>	<u>7.93</u>	<u>19.6</u>	<u>740</u>
_____	<u>9</u>	<u>7.92</u>	<u>19.5</u>	<u>747</u>
_____	<u>11</u>	<u>7.95</u>	<u>19.6</u>	<u>749</u>





# 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: 11-14-12

SAMPLER: FLAME I

DEPTH TO WELL: 2.3 feet

1 WELL VOLUME: 2.479

DEPTH TO WATER: 7.81 ft

5 WELL VOLUME: 12.395

HEIGHT OF WATER COLUMN: 15.19 ft

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER: ✓ 2"

\_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 x 15.19 = 2.479 x 5 = 12.395

4" - 0.653 \_\_\_\_\_

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

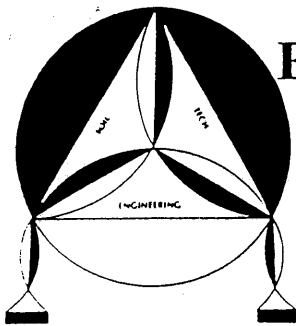
SAMPLE METHOD: X BAILER \_\_\_\_\_ OTHER

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

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

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>2.5</u>	<u>7.85</u>	<u>20.3</u>	<u>749</u>
_____	<u>5</u>	<u>7.80</u>	<u>20.1</u>	<u>715</u>
_____	<u>7.5</u>	<u>7.78</u>	<u>19.8</u>	<u>719</u>
_____	<u>10</u>	<u>7.74</u>	<u>19.4</u>	<u>708</u>
_____	<u>12.5</u>	<u>7.72</u>	<u>19.2</u>	<u>707</u>



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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: 11-14-12

SAMPLER: HAMEI

DEPTH TO WELL: 22 feet

1 WELL VOLUME: 2.191

DEPTH TO WATER: 8.57 ft

5 WELL VOLUME: 10.955

HEIGHT OF WATER COLUMN: 13.43 ft

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER:  2"  4"

## CALCULATIONS:

$$2'' - \times 0.1632 \times 13.43 = 2.191 \times 5 = 10.955$$

$$4'' - 0.653$$

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

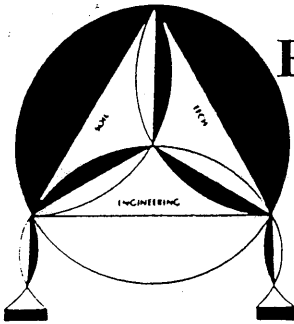
SAMPLE METHOD:  BAILER  OTHER

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>2</u>	<u>7.98</u>	<u>19.1</u>	<u>720</u>
<u>4</u>	<u>4</u>	<u>7.82</u>	<u>18.2</u>	<u>742</u>
<u>7</u>	<u>7</u>	<u>7.81</u>	<u>18.2</u>	<u>749</u>
<u>9</u>	<u>9</u>	<u>7.77</u>	<u>17.9</u>	<u>753</u>
<u>11</u>	<u>11</u>	<u>7.75</u>	<u>17.8</u>	<u>759</u>



# 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

DATE: 11-14-12

DEPTH TO WELL: 22 feet

DEPTH TO WATER: 8.41 ft

HEIGHT OF WATER COLUMN: 13.59 ft

WELL NO.: STMW-10

SAMPLER: HAMEI

1 WELL VOLUME: 2.217

5 WELL VOLUME: 11.085

ACTUAL PURGED VOLUME: \_\_\_\_\_

CASING DIAMETER:  2"

4"

## CALCULATIONS:

$$2'' - \times 0.1632 \times 13.59 = 2.217 \times 5 = 11.085$$

$$4'' - 0.653$$

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>2.5</u>	<u>8.18</u>	<u>20.2</u>	<u>690</u>
	<u>5</u>	<u>8.1</u>	<u>19.8</u>	<u>695</u>
	<u>7.5</u>	<u>7.8</u>	<u>19.6</u>	<u>702</u>
	<u>9</u>	<u>7.7</u>	<u>19.5</u>	<u>715</u>
	<u>11</u>	<u>7.4</u>	<u>19.3</u>	<u>722</u>

File No. 12-99-702-SI  
January 7, 2013

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

**LABORATORY REPORT**

**ENVIRO SOIL TECH CONSULTANTS**





Methylene bromide	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Methylene chloride	µg/l	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Methyl ethyl ketone	µg/l	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Methyl Tert Butyl Ether	µg/l	<b>0.63 J</b>	ND (0.20)	<b>0.69 J</b>	ND (0.20)	<b>2.8</b>	ND (0.20)	<b>0.94 J</b>	ND (0.20)	ND (0.20)	ND (0.20)
Naphthalene	µg/l	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	<b>5.4</b>	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
n-Propylbenzene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	<b>82.2</b>	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Styrene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Tert-Amyl Methyl Ether	µg/l	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Tert-Butyl Alcohol	µg/l	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	<b>42.7</b>	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
1,1,1,2-Tetrachloroethane	µg/l	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
1,1,1-Trichloroethane	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,1,2,2-Tetrachloroethane	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,1,2-Trichloroethane	µg/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2,3-Trichlorobenzene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,2,3-Trichloropropane	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,2,4-Trichlorobenzene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,2,4-Trimethylbenzene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,3,5-Trimethylbenzene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Tetrachloroethylene	µg/l	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	<b>0.41 J</b>	ND (0.54)	ND (0.54)	ND (0.54)
Toluene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	<b>0.30 J</b>	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Trichloroethylene	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Trichlorofluoromethane	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Vinyl chloride	µg/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Xylene (total)	µg/l	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)
<b>GC Volatiles (SW846 8015B)</b>											
TPH-GRO (C6-C10)	mg/l	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	<b>1.08</b>	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)

**Technical Report for**

**Enviro Soil Tech Consultants**

T0600101374-15595 Washington Ave., San Lorenzo, CA

12-99-702-SI

Accutest Job Number: C24883

Sampling Date: 11/14/12

**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: 81**



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.

**Kesavalu M. Bagawandoss,**  
Ph.D., J.D., Lab Director

**Client Service contact: Diane Theesen 408-588-0200**

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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## Sample Summary

Enviro Soil Tech Consultants

**Job No:** C24883

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

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
C24883-1	11/14/12	11:42 HF	11/19/12	AQ	Ground Water	MW-1
C24883-2	11/14/12	10:50 HF	11/19/12	AQ	Ground Water	MW-2
C24883-3	11/14/12	09:59 HF	11/19/12	AQ	Ground Water	MW-3
C24883-4	11/14/12	08:17 HF	11/19/12	AQ	Ground Water	MW-4
C24883-5	11/14/12	09:05 HF	11/19/12	AQ	Ground Water	MW-5
C24883-6	11/14/12	13:11 HF	11/19/12	AQ	Ground Water	STMW-6
C24883-7	11/14/12	12:31 HF	11/19/12	AQ	Ground Water	STMW-7
C24883-8	11/14/12	14:03 HF	11/19/12	AQ	Ground Water	STMW-8
C24883-9	11/14/12	15:00 HF	11/19/12	AQ	Ground Water	STMW-9
C24883-10	11/14/12	15:54 HF	11/19/12	AQ	Ground Water	STMW-10

## Summary of Hits

**Job Number:** C24883  
**Account:** Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA  
**Collected:** 11/14/12

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**C24883-1 MW-1**

Methyl Tert Butyl Ether	0.63 J	1.0	0.20	ug/l	SW846 8260B
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**C24883-2 MW-2**

No hits reported in this sample.

**C24883-3 MW-3**

Methyl Tert Butyl Ether	0.69 J	1.0	0.20	ug/l	SW846 8260B
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**C24883-4 MW-4**

No hits reported in this sample.

**C24883-5 MW-5**

Benzene	0.32 J	1.0	0.20	ug/l	SW846 8260B
n-Butylbenzene	12.3	2.0	0.20	ug/l	SW846 8260B
sec-Butylbenzene	8.0	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene	2.3	1.0	0.20	ug/l	SW846 8260B
Isopropylbenzene	26.8	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	2.8	1.0	0.20	ug/l	SW846 8260B
Naphthalene	5.4	5.0	0.50	ug/l	SW846 8260B
n-Propylbenzene	82.2	2.0	0.20	ug/l	SW846 8260B
Tert-Butyl Alcohol	42.7	10	2.4	ug/l	SW846 8260B
1,2,3-Trichloropropane	0.37 J	2.0	0.20	ug/l	SW846 8260B
Toluene	0.30 J	1.0	0.20	ug/l	SW846 8260B
TPH-GRO (C6-C10)	1.08	0.50	0.20	mg/l	SW846 8015B

**C24883-6 STMW-6**

Methyl Tert Butyl Ether <sup>a</sup>	0.94 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene <sup>a</sup>	0.41 J	1.0	0.30	ug/l	SW846 8260B

**C24883-7 STMW-7**

No hits reported in this sample.

**C24883-8 STMW-8**

No hits reported in this sample.

## Summary of Hits

**Job Number:** C24883  
**Account:** Enviro Soil Tech Consultants  
**Project:** T0600101374-15595 Washington Ave., San Lorenzo, CA  
**Collected:** 11/14/12

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**C24883-9**      **STMW-9**

No hits reported in this sample.

**C24883-10**      **STMW-10**

No hits reported in this sample.

(a) Sample was not preserved to a pH < 2.

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> 11/14/12
<b>Lab Sample ID:</b> C24883-1		<b>Date Received:</b> 11/19/12
<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	W35508.D	1	11/20/12	KN	n/a	n/a	VW1236
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-1		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.63	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

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

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-1		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-1		<b>Date Received:</b> 11/19/12
<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	98%		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

3.1  
3

<b>Client Sample ID:</b> MW-1	<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-1	<b>Date Received:</b> 11/19/12
<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	SS001429.D	1	11/27/12	TT	n/a	n/a	GSS56
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	81%		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-2		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-2		<b>Date Received:</b> 11/19/12
<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 #2	W35502.D	1	11/20/12	KN	n/a	n/a	VW1236

Run #1	Purge Volume
Run #2	10.0 ml

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-2		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		60-130%
2037-26-5	Toluene-D8	100%		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

32  
3

<b>Client Sample ID:</b> MW-2		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-2		<b>Date Received:</b> 11/19/12
<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	97%		60-130%

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

32  
3

<b>Client Sample ID:</b> MW-2	<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-2	<b>Date Received:</b> 11/19/12
<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	SS001430.D	1	11/27/12	TT	n/a	n/a	GSS56
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	79%		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> 11/14/12
<b>Lab Sample ID:</b> C24883-3		<b>Date Received:</b> 11/19/12
<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	W35503.D	1	11/20/12	KN	n/a	n/a	VW1236
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-3		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.69	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		60-130%
2037-26-5	Toluene-D8	101%		60-130%

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MW-3		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-3		<b>Date Received:</b> 11/19/12
<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	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-3	<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-3	<b>Date Received:</b> 11/19/12
<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	SS001431.D	1	11/27/12	TT	n/a	n/a	GSS56
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	82%		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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-4		<b>Date Received:</b> 11/19/12
<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	W35504.D	1	11/20/12	KN	n/a	n/a	VW1236
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-4		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		60-130%
2037-26-5	Toluene-D8	102%		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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-4		<b>Date Received:</b> 11/19/12
<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	99%		60-130%

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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-4	<b>Date Received:</b> 11/19/12
<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	SS001432.D	1	11/27/12	TT	n/a	n/a	GSS56
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	79%		64-153%		

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ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> MW-5		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-5		<b>Date Received:</b> 11/19/12
<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	W35521.D	1	11/21/12	KN	n/a	n/a	VW1238
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	4.0	ug/l	
71-43-2	Benzene	0.32	1.0	0.20	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	12.3	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	8.0	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-5		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	2.3	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	26.8	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.8	1.0	0.20	ug/l	
91-20-3	Naphthalene	5.4	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	82.2	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	42.7	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	0.37	2.0	0.20	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	0.30	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		60-130%
2037-26-5	Toluene-D8	98%		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> 11/14/12
<b>Lab Sample ID:</b> C24883-5		<b>Date Received:</b> 11/19/12
<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	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

3.5  
3

<b>Client Sample ID:</b> MW-5	<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-5	<b>Date Received:</b> 11/19/12
<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	SS001437.D	10	11/27/12	TT	n/a	n/a	GSS56
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)	1.08	0.50	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-6		<b>Date Received:</b> 11/19/12
<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 #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	W35505.D	1	11/20/12	KN	n/a	n/a	VW1236
Run #2							

Run #	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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-6		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.94	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.41	1.0	0.30	ug/l	J
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		60-130%
2037-26-5	Toluene-D8	100%		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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-6		<b>Date Received:</b> 11/19/12
<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	96%		60-130%

(a) Sample was not preserved to a pH < 2.

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> 11/14/12
<b>Lab Sample ID:</b> C24883-6	<b>Date Received:</b> 11/19/12
<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	SS001434.D	1	11/27/12	TT	n/a	n/a	GSS56
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	81%		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-7		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-7		<b>Date Received:</b> 11/19/12
<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	U7663.D	1	11/20/12	YP	n/a	n/a	VU292
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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>	11/14/12
<b>Lab Sample ID:</b>	C24883-7	<b>Date Received:</b>	11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		60-130%
2037-26-5	Toluene-D8	97%		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> 11/14/12
<b>Lab Sample ID:</b> C24883-7		<b>Date Received:</b> 11/19/12
<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	94%		60-130%

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-7	<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-7	<b>Date Received:</b> 11/19/12
<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	SS001435.D	1	11/27/12	TT	n/a	n/a	GSS56
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	82%		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-8		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-8		<b>Date Received:</b> 11/19/12
<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	U7664.D	1	11/20/12	YP	n/a	n/a	VU292
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-8		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		60-130%
2037-26-5	Toluene-D8	99%		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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-8		<b>Date Received:</b> 11/19/12
<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	93%		60-130%

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> 11/14/12
<b>Lab Sample ID:</b> C24883-8	<b>Date Received:</b> 11/19/12
<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	SS001438.D	1	11/27/12	TT	n/a	n/a	GSS56
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	85%		64-153%

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ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> STMW-9		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-9		<b>Date Received:</b> 11/19/12
<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	U7665.D	1	11/20/12	YP	n/a	n/a	VU292
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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> 11/14/12
<b>Lab Sample ID:</b> C24883-9		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		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-9		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-9		<b>Date Received:</b> 11/19/12
<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	94%		60-130%

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

3.9  
3

<b>Client Sample ID:</b> STMW-9	<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-9	<b>Date Received:</b> 11/19/12
<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	SS001439.D	1	11/27/12	TT	n/a	n/a	GSS56
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	84%		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-10		<b>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-10		<b>Date Received:</b> 11/19/12
<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	U7666.D	1	11/20/12	YP	n/a	n/a	VU292
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	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-10		<b>Date Received:</b> 11/19/12
<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	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-10		<b>Date Received:</b> 11/19/12
<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	91%		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>Date Sampled:</b> 11/14/12
<b>Lab Sample ID:</b> C24883-10	<b>Date Received:</b> 11/19/12
<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	SS001440.D	1	11/27/12	TT	n/a	n/a	GSS56
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	83%		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

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

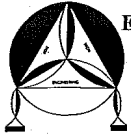
CHAIN OF CUSTODY RECORD ESTCAST141

C24883

PROJ. NO. 12-99-702-SI		NAME 15595 Washington Ave. San Lorenzo		CON-TAINER		ANYALYSES REQUESTED				REMARKS			
SAMPLERS: (Signature) <i>[Signature]</i>						TPHg(8015M)	EPA 8260B*						
NO.	DATE	TIME	SOIL	WATER	LOCATION								
1	11/4/12	11:42		✓	MW-1	A	✓	✓			EDF #T0600101374		
2		10:50		✓	MW-2	A	✓	✓					
3		9:31		✓	MW-3	A	✓	✓					
4		8:15		✓	MW-4	A	✓	✓			*Full lists		
5		9:45		✓	MW-5	A	✓	✓					
6		13:11		✓	STMW-6	A	✓	✓					
7		12:31		✓	STMW-7	A	✓	✓			*All vials are HCL preserved		
8		14:03		✓	STMW-8	A	✓	✓					
9		15:00		✓	STMW-9	A	✓	✓					
10	✓	15:54		✓	STMW-10	A	✓	✓					
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
<i>[Signature]</i>		11/19 10:54 2012		<i>[Signature]</i>									
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		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 Hamedi					

4.1  
4

temp: 4.2 - 1.0 = 3.2 °C



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

C24883: Chain of Custody

Page 1 of 2

## Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C24883      **Client:** ENVIRO SOIL TECH.      **Project:** 15595 WASHINGTON AVE, SAN LORENZO  
**Date / Time Received:** 11/19/2012      **Delivery Method:** Client      **Airbill #'s:**

**Cooler Temps (Initial/Adjusted):** #1: (4.2/3.2): 0

<u>Cooler Security</u>	<u>Y or N</u>				<u>Y or N</u>	
1. Custody Seals Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Custody Seals Intact:	<input type="checkbox"/>	<input type="checkbox"/>	4. Smp'l Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	Intact		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

4.1  
4



## GC/MS Volatiles

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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:** C24883  
**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
VW1236-MB	W35492.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

## Method Blank Summary

**Job Number:** C24883  
**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
VW1236-MB	W35492.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	96% 60-130%

## Method Blank Summary

**Job Number:** C24883  
**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
VW1236-MB	W35492.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	101% 60-130%
460-00-4	4-Bromofluorobenzene	98% 60-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

## Method Blank Summary

**Job Number:** C24883  
**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
VU292-MB	U7661.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

## Method Blank Summary

**Job Number:** C24883  
**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
VU292-MB	U7661.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	110% 60-130%

## Method Blank Summary

**Job Number:** C24883  
**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
VU292-MB	U7661.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	99% 60-130%
460-00-4	4-Bromofluorobenzene	92% 60-130%

5.1.2  
5

## Method Blank Summary

**Job Number:** C24883  
**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
VW1238-MB	W35519.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	



## Method Blank Summary

**Job Number:** C24883  
**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
VW1238-MB	W35519.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.20	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	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	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	94% 60-130%

## Method Blank Summary

**Job Number:** C24883  
**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
VW1238-MB	W35519.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	99% 60-130%
460-00-4	4-Bromofluorobenzene	97% 60-130%

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VW1236-BS	W35489.D	1	11/20/12	KN	n/a	n/a	VW1236
VW1236-BSD	W35490.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	82.1	103	85.2	107	4	60-130/30
71-43-2	Benzene	20	20.6	103	20.6	103	0	60-130/30
108-86-1	Bromobenzene	20	20.4	102	20.7	104	1	60-130/30
74-97-5	Bromochloromethane	20	22.4	112	21.8	109	3	60-130/30
75-27-4	Bromodichloromethane	20	20.3	102	19.0	95	7	60-130/30
75-25-2	Bromoform	20	21.2	106	20.7	104	2	60-130/30
104-51-8	n-Butylbenzene	20	21.4	107	21.9	110	2	60-130/30
135-98-8	sec-Butylbenzene	20	21.7	109	22.3	112	3	60-130/30
98-06-6	tert-Butylbenzene	20	21.6	108	22.0	110	2	60-130/30
108-90-7	Chlorobenzene	20	21.0	105	21.2	106	1	60-130/30
75-00-3	Chloroethane	20	22.4	112	22.7	114	1	60-130/30
67-66-3	Chloroform	20	20.7	104	20.3	102	2	60-130/30
95-49-8	o-Chlorotoluene	20	21.4	107	21.3	107	0	60-130/30
106-43-4	p-Chlorotoluene	20	21.7	109	22.0	110	1	60-130/30
56-23-5	Carbon tetrachloride	20	22.1	111	21.9	110	1	60-130/30
75-34-3	1,1-Dichloroethane	20	21.0	105	21.4	107	2	60-130/30
75-35-4	1,1-Dichloroethylene	20	21.3	107	22.3	112	5	60-130/30
563-58-6	1,1-Dichloropropene	20	20.9	105	20.8	104	0	60-130/30
96-12-8	1,2-Dibromo-3-chloropropane	20	20.2	101	19.9	100	1	60-130/30
106-93-4	1,2-Dibromoethane	20	21.3	107	21.2	106	0	60-130/30
107-06-2	1,2-Dichloroethane	20	19.7	99	18.7	94	5	60-130/30
78-87-5	1,2-Dichloropropane	20	22.0	110	21.4	107	3	60-130/30
142-28-9	1,3-Dichloropropane	20	20.0	100	20.1	101	0	60-130/30
108-20-3	Di-Isopropyl ether	20	20.6	103	21.0	105	2	60-130/30
594-20-7	2,2-Dichloropropane	20	23.0	115	22.8	114	1	60-130/30
124-48-1	Dibromochloromethane	20	20.7	104	20.6	103	0	60-130/30
75-71-8	Dichlorodifluoromethane	20	18.1	91	17.5	88	3	60-130/30
156-59-2	cis-1,2-Dichloroethylene	20	20.9	105	20.9	105	0	60-130/30
10061-01-5	cis-1,3-Dichloropropene	20	21.0	105	20.4	102	3	60-130/30
541-73-1	m-Dichlorobenzene	20	20.7	104	20.5	103	1	60-130/30
95-50-1	o-Dichlorobenzene	20	20.9	105	20.7	104	1	60-130/30
106-46-7	p-Dichlorobenzene	20	20.7	104	20.9	105	1	60-130/30
156-60-5	trans-1,2-Dichloroethylene	20	21.9	110	22.2	111	1	60-130/30
10061-02-6	trans-1,3-Dichloropropene	20	19.8	99	19.5	98	2	60-130/30
100-41-4	Ethylbenzene	20	20.8	104	21.1	106	1	60-130/30
637-92-3	Ethyl Tert Butyl Ether	20	22.8	114	22.7	114	0	60-130/30

\* = Outside of Control Limits.

5.2.1  
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# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VW1236-BS	W35489.D	1	11/20/12	KN	n/a	n/a	VW1236
VW1236-BSD	W35490.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	83.6	105	85.5	107	2	60-130/30
87-68-3	Hexachlorobutadiene	20	21.3	107	21.5	108	1	60-130/30
98-82-8	Isopropylbenzene	20	18.3	92	18.6	93	2	60-130/30
99-87-6	p-Isopropyltoluene	20	20.7	104	20.9	105	1	60-130/30
108-10-1	4-Methyl-2-pentanone	80	86.2	108	84.9	106	2	60-130/30
74-83-9	Methyl bromide	20	21.5	108	22.0	110	2	60-130/30
74-87-3	Methyl chloride	20	16.0	80	16.5	83	3	60-130/30
74-95-3	Methylene bromide	20	20.1	101	19.2	96	5	60-130/30
75-09-2	Methylene chloride	20	23.1	116	22.8	114	1	60-130/30
78-93-3	Methyl ethyl ketone	80	88.5	111	85.2	107	4	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	21.1	106	20.6	103	2	60-130/30
91-20-3	Naphthalene	20	22.2	111	22.0	110	1	60-130/30
103-65-1	n-Propylbenzene	20	21.1	106	21.5	108	2	60-130/30
100-42-5	Styrene	20	21.2	106	21.0	105	1	60-130/30
994-05-8	Tert-Amyl Methyl Ether	20	22.2	111	21.5	108	3	60-130/30
75-65-0	Tert-Butyl Alcohol	100	109	109	105	105	4	60-130/30
630-20-6	1,1,1,2-Tetrachloroethane	20	21.1	106	21.0	105	0	60-130/30
71-55-6	1,1,1-Trichloroethane	20	21.9	110	22.0	110	0	60-130/30
79-34-5	1,1,2,2-Tetrachloroethane	20	22.2	111	22.1	111	0	60-130/30
79-00-5	1,1,2-Trichloroethane	20	20.7	104	20.5	103	1	60-130/30
87-61-6	1,2,3-Trichlorobenzene	20	20.6	103	20.0	100	3	60-130/30
96-18-4	1,2,3-Trichloropropane	20	21.6	108	21.0	105	3	60-130/30
120-82-1	1,2,4-Trichlorobenzene	20	21.0	105	20.7	104	1	60-130/30
95-63-6	1,2,4-Trimethylbenzene	20	21.6	108	21.6	108	0	60-130/30
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	22.4	112	2	60-130/30
127-18-4	Tetrachloroethylene	20	21.0	105	21.4	107	2	60-130/30
108-88-3	Toluene	20	21.0	105	21.3	107	1	60-130/30
79-01-6	Trichloroethylene	20	21.0	105	21.0	105	0	60-130/30
75-69-4	Trichlorofluoromethane	20	21.6	108	21.2	106	2	60-130/30
75-01-4	Vinyl chloride	20	24.7	124	25.0	125	1	60-130/30
1330-20-7	Xylene (total)	60	63.8	106	64.3	107	1	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	98%	60-130%

\* = Outside of Control Limits.

5.2.1  
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# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VW1236-BS	W35489.D	1	11/20/12	KN	n/a	n/a	VW1236
VW1236-BSD	W35490.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	98%	99%	60-130%
460-00-4	4-Bromofluorobenzene	97%	98%	60-130%

\* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VU292-BS	U7658.D	1	11/20/12	YP	n/a	n/a	VU292
VU292-BSD	U7659.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	72.5	91	72.4	91	0	60-130/30
71-43-2	Benzene	20	20.7	104	20.6	103	0	60-130/30
108-86-1	Bromobenzene	20	20.9	105	20.5	103	2	60-130/30
74-97-5	Bromochloromethane	20	20.8	104	21.0	105	1	60-130/30
75-27-4	Bromodichloromethane	20	20.2	101	19.8	99	2	60-130/30
75-25-2	Bromoform	20	20.3	102	21.2	106	4	60-130/30
104-51-8	n-Butylbenzene	20	21.8	109	21.8	109	0	60-130/30
135-98-8	sec-Butylbenzene	20	21.8	109	21.7	109	0	60-130/30
98-06-6	tert-Butylbenzene	20	21.6	108	21.4	107	1	60-130/30
108-90-7	Chlorobenzene	20	20.0	100	20.4	102	2	60-130/30
75-00-3	Chloroethane	20	20.1	101	20.5	103	2	60-130/30
67-66-3	Chloroform	20	20.6	103	20.5	103	0	60-130/30
95-49-8	o-Chlorotoluene	20	20.9	105	20.7	104	1	60-130/30
106-43-4	p-Chlorotoluene	20	19.6	98	19.4	97	1	60-130/30
56-23-5	Carbon tetrachloride	20	21.0	105	21.4	107	2	60-130/30
75-34-3	1,1-Dichloroethane	20	20.0	100	20.0	100	0	60-130/30
75-35-4	1,1-Dichloroethylene	20	20.1	101	20.6	103	2	60-130/30
563-58-6	1,1-Dichloropropene	20	21.2	106	21.5	108	1	60-130/30
96-12-8	1,2-Dibromo-3-chloropropane	20	20.5	103	20.5	103	0	60-130/30
106-93-4	1,2-Dibromoethane	20	20.8	104	21.1	106	1	60-130/30
107-06-2	1,2-Dichloroethane	20	20.9	105	20.7	104	1	60-130/30
78-87-5	1,2-Dichloropropane	20	20.6	103	20.7	104	0	60-130/30
142-28-9	1,3-Dichloropropane	20	20.6	103	21.1	106	2	60-130/30
108-20-3	Di-Isopropyl ether	20	19.6	98	20.0	100	2	60-130/30
594-20-7	2,2-Dichloropropane	20	21.1	106	21.3	107	1	60-130/30
124-48-1	Dibromochloromethane	20	19.9	100	20.2	101	1	60-130/30
75-71-8	Dichlorodifluoromethane	20	17.4	87	18.9	95	8	60-130/30
156-59-2	cis-1,2-Dichloroethylene	20	20.8	104	20.9	105	0	60-130/30
10061-01-5	cis-1,3-Dichloropropene	20	20.6	103	20.6	103	0	60-130/30
541-73-1	m-Dichlorobenzene	20	20.5	103	20.0	100	2	60-130/30
95-50-1	o-Dichlorobenzene	20	20.3	102	20.0	100	1	60-130/30
106-46-7	p-Dichlorobenzene	20	20.4	102	20.1	101	1	60-130/30
156-60-5	trans-1,2-Dichloroethylene	20	21.2	106	21.4	107	1	60-130/30
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	19.7	99	1	60-130/30
100-41-4	Ethylbenzene	20	21.0	105	21.4	107	2	60-130/30
637-92-3	Ethyl Tert Butyl Ether	20	22.2	111	22.4	112	1	60-130/30

\* = Outside of Control Limits.

5.2.2  
 5

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VU292-BS	U7658.D	1	11/20/12	YP	n/a	n/a	VU292
VU292-BSD	U7659.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	81.4	102	85.6	107	5	60-130/30
87-68-3	Hexachlorobutadiene	20	21.2	106	21.2	106	0	60-130/30
98-82-8	Isopropylbenzene	20	18.6	93	19.2	96	3	60-130/30
99-87-6	p-Isopropyltoluene	20	20.8	104	20.5	103	1	60-130/30
108-10-1	4-Methyl-2-pentanone	80	81.6	102	84.1	105	3	60-130/30
74-83-9	Methyl bromide	20	19.9	100	20.0	100	1	60-130/30
74-87-3	Methyl chloride	20	16.3	82	16.3	82	0	60-130/30
74-95-3	Methylene bromide	20	20.3	102	20.3	102	0	60-130/30
75-09-2	Methylene chloride	20	20.5	103	20.3	102	1	60-130/30
78-93-3	Methyl ethyl ketone	80	80.4	101	82.1	103	2	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	21.4	107	21.7	109	1	60-130/30
91-20-3	Naphthalene	20	22.1	111	22.6	113	2	60-130/30
103-65-1	n-Propylbenzene	20	21.2	106	21.0	105	1	60-130/30
100-42-5	Styrene	20	22.0	110	22.4	112	2	60-130/30
994-05-8	Tert-Amyl Methyl Ether	20	22.0	110	22.2	111	1	60-130/30
75-65-0	Tert-Butyl Alcohol	100	94.5	95	96.3	96	2	60-130/30
630-20-6	1,1,1,2-Tetrachloroethane	20	20.8	104	21.1	106	1	60-130/30
71-55-6	1,1,1-Trichloroethane	20	20.7	104	20.9	105	1	60-130/30
79-34-5	1,1,2,2-Tetrachloroethane	20	20.8	104	20.8	104	0	60-130/30
79-00-5	1,1,2-Trichloroethane	20	20.0	100	20.5	103	2	60-130/30
87-61-6	1,2,3-Trichlorobenzene	20	21.7	109	21.8	109	0	60-130/30
96-18-4	1,2,3-Trichloropropane	20	19.2	96	19.9	100	4	60-130/30
120-82-1	1,2,4-Trichlorobenzene	20	22.0	110	21.8	109	1	60-130/30
95-63-6	1,2,4-Trimethylbenzene	20	22.1	111	21.7	109	2	60-130/30
108-67-8	1,3,5-Trimethylbenzene	20	22.6	113	22.4	112	1	60-130/30
127-18-4	Tetrachloroethylene	20	19.8	99	20.6	103	4	60-130/30
108-88-3	Toluene	20	20.4	102	20.8	104	2	60-130/30
79-01-6	Trichloroethylene	20	20.8	104	21.0	105	1	60-130/30
75-69-4	Trichlorofluoromethane	20	19.7	99	20.5	103	4	60-130/30
75-01-4	Vinyl chloride	20	21.0	105	21.3	107	1	60-130/30
1330-20-7	Xylene (total)	60	63.3	106	64.2	107	1	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	101%	60-130%

\* = Outside of Control Limits.

5.2.2  
 5

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VU292-BS	U7658.D	1	11/20/12	YP	n/a	n/a	VU292
VU292-BSD	U7659.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	97%	100%	60-130%
460-00-4	4-Bromofluorobenzene	100%	99%	60-130%

\* = Outside of Control Limits.

5.2.2  
 5



# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VW1238-BS	W35516.D	1	11/21/12	KN	n/a	n/a	VW1238
VW1238-BSD	W35517.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	93.4	117	90.6	113	3	60-130/30
71-43-2	Benzene	20	19.7	99	20.4	102	3	60-130/30
108-86-1	Bromobenzene	20	20.5	103	20.6	103	0	60-130/30
74-97-5	Bromochloromethane	20	21.6	108	21.5	108	0	60-130/30
75-27-4	Bromodichloromethane	20	18.7	94	18.9	95	1	60-130/30
75-25-2	Bromoform	20	19.5	98	20.5	103	5	60-130/30
104-51-8	n-Butylbenzene	20	20.5	103	21.2	106	3	60-130/30
135-98-8	sec-Butylbenzene	20	21.0	105	21.9	110	4	60-130/30
98-06-6	tert-Butylbenzene	20	21.1	106	21.6	108	2	60-130/30
108-90-7	Chlorobenzene	20	19.6	98	20.3	102	4	60-130/30
75-00-3	Chloroethane	20	23.7	119	22.3	112	6	60-130/30
67-66-3	Chloroform	20	19.6	98	19.4	97	1	60-130/30
95-49-8	o-Chlorotoluene	20	21.1	106	20.9	105	1	60-130/30
106-43-4	p-Chlorotoluene	20	20.6	103	22.0	110	7	60-130/30
56-23-5	Carbon tetrachloride	20	19.6	98	20.3	102	4	60-130/30
75-34-3	1,1-Dichloroethane	20	20.3	102	20.6	103	1	60-130/30
75-35-4	1,1-Dichloroethylene	20	21.0	105	21.1	106	0	60-130/30
563-58-6	1,1-Dichloropropene	20	19.2	96	20.2	101	5	60-130/30
96-12-8	1,2-Dibromo-3-chloropropane	20	17.9	90	19.2	96	7	60-130/30
106-93-4	1,2-Dibromoethane	20	19.6	98	20.5	103	4	60-130/30
107-06-2	1,2-Dichloroethane	20	17.8	89	18.1	91	2	60-130/30
78-87-5	1,2-Dichloropropane	20	21.1	106	21.4	107	1	60-130/30
142-28-9	1,3-Dichloropropane	20	19.0	95	19.7	99	4	60-130/30
108-20-3	Di-Isopropyl ether	20	22.2	111	22.2	111	0	60-130/30
594-20-7	2,2-Dichloropropane	20	21.5	108	21.6	108	0	60-130/30
124-48-1	Dibromochloromethane	20	19.5	98	19.9	100	2	60-130/30
75-71-8	Dichlorodifluoromethane	20	17.2	86	16.0	80	7	60-130/30
156-59-2	cis-1,2-Dichloroethylene	20	20.6	103	20.3	102	1	60-130/30
10061-01-5	cis-1,3-Dichloropropene	20	20.1	101	20.3	102	1	60-130/30
541-73-1	m-Dichlorobenzene	20	20.1	101	20.4	102	1	60-130/30
95-50-1	o-Dichlorobenzene	20	20.3	102	20.6	103	1	60-130/30
106-46-7	p-Dichlorobenzene	20	20.3	102	20.6	103	1	60-130/30
156-60-5	trans-1,2-Dichloroethylene	20	21.2	106	21.3	107	0	60-130/30
10061-02-6	trans-1,3-Dichloropropene	20	18.6	93	19.1	96	3	60-130/30
100-41-4	Ethylbenzene	20	19.2	96	20.2	101	5	60-130/30
637-92-3	Ethyl Tert Butyl Ether	20	23.0	115	22.6	113	2	60-130/30

\* = Outside of Control Limits.

5.2.3  
 5

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VW1238-BS	W35516.D	1	11/21/12	KN	n/a	n/a	VW1238
VW1238-BSD	W35517.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	91.6	115	90.9	114	1	60-130/30
87-68-3	Hexachlorobutadiene	20	20.3	102	20.6	103	1	60-130/30
98-82-8	Isopropylbenzene	20	16.7	84	17.7	89	6	60-130/30
99-87-6	p-Isopropyltoluene	20	19.9	100	20.5	103	3	60-130/30
108-10-1	4-Methyl-2-pentanone	80	94.7	118	91.6	115	3	60-130/30
74-83-9	Methyl bromide	20	22.1	111	21.1	106	5	60-130/30
74-87-3	Methyl chloride	20	17.2	86	16.6	83	4	60-130/30
74-95-3	Methylene bromide	20	18.6	93	18.9	95	2	60-130/30
75-09-2	Methylene chloride	20	22.2	111	22.1	111	0	60-130/30
78-93-3	Methyl ethyl ketone	80	92.1	115	87.9	110	5	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	20.5	103	20.5	103	0	60-130/30
91-20-3	Naphthalene	20	20.7	104	21.8	109	5	60-130/30
103-65-1	n-Propylbenzene	20	20.5	103	21.2	106	3	60-130/30
100-42-5	Styrene	20	19.9	100	20.7	104	4	60-130/30
994-05-8	Tert-Amyl Methyl Ether	20	21.6	108	21.4	107	1	60-130/30
75-65-0	Tert-Butyl Alcohol	100	101	101	108	108	7	60-130/30
630-20-6	1,1,1,2-Tetrachloroethane	20	19.7	99	20.4	102	3	60-130/30
71-55-6	1,1,1-Trichloroethane	20	20.1	101	20.3	102	1	60-130/30
79-34-5	1,1,2,2-Tetrachloroethane	20	21.4	107	22.7	114	6	60-130/30
79-00-5	1,1,2-Trichloroethane	20	19.6	98	20.3	102	4	60-130/30
87-61-6	1,2,3-Trichlorobenzene	20	19.6	98	20.2	101	3	60-130/30
96-18-4	1,2,3-Trichloropropane	20	18.7	94	20.4	102	9	60-130/30
120-82-1	1,2,4-Trichlorobenzene	20	20.4	102	20.6	103	1	60-130/30
95-63-6	1,2,4-Trimethylbenzene	20	20.9	105	21.5	108	3	60-130/30
108-67-8	1,3,5-Trimethylbenzene	20	21.5	108	22.1	111	3	60-130/30
127-18-4	Tetrachloroethylene	20	19.2	96	20.3	102	6	60-130/30
108-88-3	Toluene	20	19.8	99	20.5	103	3	60-130/30
79-01-6	Trichloroethylene	20	19.5	98	20.5	103	5	60-130/30
75-69-4	Trichlorofluoromethane	20	20.9	105	19.6	98	6	60-130/30
75-01-4	Vinyl chloride	20	26.3	132* a	24.8	124	6	60-130/30
1330-20-7	Xylene (total)	60	58.9	98	61.8	103	5	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	98%	60-130%

\* = Outside of Control Limits.

5.2.3  
 5

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
VW1238-BS	W35516.D	1	11/21/12	KN	n/a	n/a	VW1238
VW1238-BSD	W35517.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	98%	99%	60-130%
460-00-4	4-Bromofluorobenzene	94%	95%	60-130%

(a) Outside laboratory control limits.

\* = Outside of Control Limits.

# Laboratory Control Sample Summary

**Job Number:** C24883  
**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
VW1236-LCS	W35491.D	1	11/20/12	KN	n/a	n/a	VW1236

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-6

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	60-130%
2037-26-5	Toluene-D8	100%	60-130%
460-00-4	4-Bromofluorobenzene	97%	60-130%

\* = Outside of Control Limits.

5.3.1  
**5**

# Laboratory Control Sample Summary

**Job Number:** C24883  
**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
VU292-LCS	U7660.D	1	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	60-130%
2037-26-5	Toluene-D8	102%	60-130%
460-00-4	4-Bromofluorobenzene	95%	60-130%

\* = Outside of Control Limits.

# Laboratory Control Sample Summary

**Job Number:** C24883  
**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
VW1238-LCS	W35518.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	60-130%
2037-26-5	Toluene-D8	101%	60-130%
460-00-4	4-Bromofluorobenzene	97%	60-130%

\* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24821-11MS	U7679.D	10	11/20/12	YP	n/a	n/a	VU292
C24821-11MSD	U7680.D	10	11/20/12	YP	n/a	n/a	VU292
C24821-11	U7673.D	10	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	C24821-11 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		800	812	102	774	97	5	60-130/25
71-43-2	Benzene	10.7		200	212	101	205	97	3	60-130/25
108-86-1	Bromobenzene	ND		200	211	106	205	103	3	60-130/25
74-97-5	Bromochloromethane	ND		200	199	100	192	96	4	60-130/25
75-27-4	Bromodichloromethane	ND		200	181	91	179	90	1	60-130/25
75-25-2	Bromoform	ND		200	175	88	179	90	2	60-130/25
104-51-8	n-Butylbenzene	7.0	J	200	229	111	216	105	6	60-130/25
135-98-8	sec-Butylbenzene	3.7	J	200	228	112	216	106	5	60-130/25
98-06-6	tert-Butylbenzene	ND		200	228	114	217	109	5	60-130/25
108-90-7	Chlorobenzene	ND		200	201	101	193	97	4	60-130/25
75-00-3	Chloroethane	ND		200	208	104	196	98	6	60-130/25
67-66-3	Chloroform	ND		200	195	98	184	92	6	60-130/25
95-49-8	o-Chlorotoluene	ND		200	210	105	202	101	4	60-130/25
106-43-4	p-Chlorotoluene	ND		200	193	97	187	94	3	60-130/25
56-23-5	Carbon tetrachloride	ND		200	195	98	188	94	4	60-130/25
75-34-3	1,1-Dichloroethane	ND		200	195	98	186	93	5	60-130/25
75-35-4	1,1-Dichloroethylene	ND		200	199	100	186	93	7	60-130/25
563-58-6	1,1-Dichloropropene	ND		200	204	102	197	99	3	60-130/25
96-12-8	1,2-Dibromo-3-chloropropane	ND		200	209	105	208	104	0	60-130/25
106-93-4	1,2-Dichloroethane	ND		200	209	105	204	102	2	60-130/25
107-06-2	1,2-Dichloroethane	ND		200	190	95	186	93	2	60-130/25
78-87-5	1,2-Dichloropropane	ND		200	203	102	197	99	3	60-130/25
142-28-9	1,3-Dichloropropane	ND		200	210	105	203	102	3	60-130/25
108-20-3	Di-Isopropyl ether	ND		200	204	102	196	98	4	60-130/25
594-20-7	2,2-Dichloropropane	ND		200	189	95	176	88	7	60-130/25
124-48-1	Dibromochloromethane	ND		200	181	91	178	89	2	60-130/25
75-71-8	Dichlorodifluoromethane	ND		200	186	93	172	86	8	60-130/25
156-59-2	cis-1,2-Dichloroethylene	ND		200	202	101	190	95	6	60-130/25
10061-01-5	cis-1,3-Dichloropropene	ND		200	186	93	182	91	2	60-130/25
541-73-1	m-Dichlorobenzene	ND		200	202	101	195	98	4	60-130/25
95-50-1	o-Dichlorobenzene	ND		200	204	102	197	99	3	60-130/25
106-46-7	p-Dichlorobenzene	ND		200	202	101	195	98	4	60-130/25
156-60-5	trans-1,2-Dichloroethylene	ND		200	204	102	193	97	6	60-130/25
10061-02-6	trans-1,3-Dichloropropene	ND		200	180	90	174	87	3	60-130/25
100-41-4	Ethylbenzene	36.4		200	259	111	247	105	5	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND		200	222	111	213	107	4	60-130/25

\* = Outside of Control Limits.

5.4.1  
**5**

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24821-11MS	U7679.D	10	11/20/12	YP	n/a	n/a	VU292
C24821-11MSD	U7680.D	10	11/20/12	YP	n/a	n/a	VU292
C24821-11	U7673.D	10	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	C24821-11 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND	800	914	114	898	112	2	60-130/25
87-68-3	Hexachlorobutadiene	ND	200	212	106	182	91	15	60-130/25
98-82-8	Isopropylbenzene	31.7	200	234	101	221	95	6	60-130/25
99-87-6	p-Isopropyltoluene	4.6	J 200	217	106	206	101	5	60-130/25
108-10-1	4-Methyl-2-pentanone	ND	800	858	107	856	107	0	60-130/25
74-83-9	Methyl bromide	ND	200	198	99	186	93	6	60-130/25
74-87-3	Methyl chloride	ND	200	160	80	151	76	6	60-130/25
74-95-3	Methylene bromide	ND	200	189	95	186	93	2	60-130/25
75-09-2	Methylene chloride	ND	200	197	99	187	94	5	60-130/25
78-93-3	Methyl ethyl ketone	ND	800	852	107	837	105	2	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND	200	214	107	207	104	3	60-130/25
91-20-3	Naphthalene	ND	200	228	114	210	105	8	60-130/25
103-65-1	n-Propylbenzene	45.6	200	276	115	263	109	5	60-130/25
100-42-5	Styrene	ND	200	204	102	206	103	1	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND	200	217	109	210	105	3	60-130/25
75-65-0	Tert-Butyl Alcohol	ND	1000	1120	112	1060	106	6	60-130/25
630-20-6	1,1,1,2-Tetrachloroethane	ND	200	205	103	197	99	4	60-130/25
71-55-6	1,1,1-Trichloroethane	ND	200	202	101	189	95	7	60-130/25
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	212	106	208	104	2	60-130/25
79-00-5	1,1,2-Trichloroethane	ND	200	212	106	198	99	7	60-130/25
87-61-6	1,2,3-Trichlorobenzene	ND	200	215	108	194	97	10	60-130/25
96-18-4	1,2,3-Trichloropropane	ND	200	188	94	184	92	2	60-130/25
120-82-1	1,2,4-Trichlorobenzene	ND	200	218	109	201	101	8	60-130/25
95-63-6	1,2,4-Trimethylbenzene	12.2	J 200	239	113	228	108	5	60-130/25
108-67-8	1,3,5-Trimethylbenzene	3.6	J 200	262	129	249	123	5	60-130/25
127-18-4	Tetrachloroethylene	ND	200	207	104	191	96	8	60-130/25
108-88-3	Toluene	3.6	J 200	212	104	201	99	5	60-130/25
79-01-6	Trichloroethylene	ND	200	208	104	200	100	4	60-130/25
75-69-4	Trichlorofluoromethane	ND	200	207	104	193	97	7	60-130/25
75-01-4	Vinyl chloride	ND	200	214	107	199	100	7	60-130/25
1330-20-7	Xylene (total)	20.3	600	653	105	624	101	5	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C24821-11	Limits
1868-53-7	Dibromofluoromethane	97%	94%	108%	60-130%

\* = Outside of Control Limits.



# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24821-11MS	U7679.D	10	11/20/12	YP	n/a	n/a	VU292
C24821-11MSD	U7680.D	10	11/20/12	YP	n/a	n/a	VU292
C24821-11	U7673.D	10	11/20/12	YP	n/a	n/a	VU292

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Surrogate Recoveries	MS	MSD	C24821-11	Limits
2037-26-5	Toluene-D8	103%	101%	103%	60-130%
460-00-4	4-Bromofluorobenzene	105%	104%	103%	60-130%

\* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24863-7MS	W35535.D	1	11/21/12	KN	n/a	n/a	VW1238
C24863-7MSD	W35536.D	1	11/21/12	KN	n/a	n/a	VW1238
C24863-7	W35529.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	C24863-7 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	9.1	80	92.7	105	89.7	101	3	60-130/25
71-43-2	Benzene	ND	20	19.9	100	19.5	98	2	60-130/25
108-86-1	Bromobenzene	ND	20	20.5	103	20.3	102	1	60-130/25
74-97-5	Bromochloromethane	ND	20	21.9	110	21.3	107	3	60-130/25
75-27-4	Bromodichloromethane	ND	20	19.4	97	18.8	94	3	60-130/25
75-25-2	Bromoform	ND	20	20.6	103	19.7	99	4	60-130/25
104-51-8	n-Butylbenzene	ND	20	19.3	97	19.1	96	1	60-130/25
135-98-8	sec-Butylbenzene	ND	20	20.3	102	20.0	100	1	60-130/25
98-06-6	tert-Butylbenzene	ND	20	20.3	102	20.5	103	1	60-130/25
108-90-7	Chlorobenzene	ND	20	20.3	102	19.7	99	3	60-130/25
75-00-3	Chloroethane	ND	20	21.2	106	22.0	110	4	60-130/25
67-66-3	Chloroform	0.82	20	20.3	97	20.0	96	1	60-130/25
95-49-8	o-Chlorotoluene	ND	20	20.4	102	20.2	101	1	60-130/25
106-43-4	p-Chlorotoluene	ND	20	21.1	106	20.8	104	1	60-130/25
56-23-5	Carbon tetrachloride	ND	20	19.3	97	18.7	94	3	60-130/25
75-34-3	1,1-Dichloroethane	ND	20	20.1	101	20.3	102	1	60-130/25
75-35-4	1,1-Dichloroethylene	ND	20	19.9	100	19.6	98	2	60-130/25
563-58-6	1,1-Dichloropropene	ND	20	18.9	95	18.4	92	3	60-130/25
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	18.8	94	18.2	91	3	60-130/25
106-93-4	1,2-Dibromoethane	ND	20	21.1	106	20.0	100	5	60-130/25
107-06-2	1,2-Dichloroethane	ND	20	18.9	95	18.1	91	4	60-130/25
78-87-5	1,2-Dichloropropane	ND	20	22.0	110	21.1	106	4	60-130/25
142-28-9	1,3-Dichloropropane	ND	20	19.7	99	19.4	97	2	60-130/25
108-20-3	Di-Isopropyl ether	ND	20	21.7	109	21.2	106	2	60-130/25
594-20-7	2,2-Dichloropropane	ND	20	19.4	97	18.6	93	4	60-130/25
124-48-1	Dibromochloromethane	ND	20	20.4	102	19.8	99	3	60-130/25
75-71-8	Dichlorodifluoromethane	ND	20	15.3	77	14.9	75	3	60-130/25
156-59-2	cis-1,2-Dichloroethylene	ND	20	20.1	101	19.6	98	3	60-130/25
10061-01-5	cis-1,3-Dichloropropene	ND	20	20.3	102	19.5	98	4	60-130/25
541-73-1	m-Dichlorobenzene	ND	20	19.7	99	19.5	98	1	60-130/25
95-50-1	o-Dichlorobenzene	ND	20	20.4	102	20.1	101	1	60-130/25
106-46-7	p-Dichlorobenzene	ND	20	20.0	100	19.8	99	1	60-130/25
156-60-5	trans-1,2-Dichloroethylene	ND	20	20.2	101	20.2	101	0	60-130/25
10061-02-6	trans-1,3-Dichloropropene	ND	20	19.1	96	18.5	93	3	60-130/25
100-41-4	Ethylbenzene	ND	20	19.4	97	19.3	97	1	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND	20	23.0	115	22.4	112	3	60-130/25

\* = Outside of Control Limits.

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# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24863-7MS	W35535.D	1	11/21/12	KN	n/a	n/a	VW1238
C24863-7MSD	W35536.D	1	11/21/12	KN	n/a	n/a	VW1238
C24863-7	W35529.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Compound	C24863-7 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	83.8	105	80.7	101	4	60-130/25
87-68-3	Hexachlorobutadiene	ND	20	19.4	97	19.2	96	1	60-130/25
98-82-8	Isopropylbenzene	ND	20	16.8	84	16.6	83	1	60-130/25
99-87-6	p-Isopropyltoluene	ND	20	19.0	95	18.8	94	1	60-130/25
108-10-1	4-Methyl-2-pentanone	ND	80	86.1	108	80.5	101	7	60-130/25
74-83-9	Methyl bromide	ND	20	20.5	103	20.7	104	1	60-130/25
74-87-3	Methyl chloride	ND	20	15.4	77	16.3	82	6	60-130/25
74-95-3	Methylene bromide	ND	20	19.7	99	18.6	93	6	60-130/25
75-09-2	Methylene chloride	ND	20	22.6	113	22.7	114	0	60-130/25
78-93-3	Methyl ethyl ketone	ND	80	86.1	108	80.2	100	7	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND	20	20.8	104	20.1	101	3	60-130/25
91-20-3	Naphthalene	ND	20	21.2	106	20.6	103	3	60-130/25
103-65-1	n-Propylbenzene	ND	20	19.6	98	19.6	98	0	60-130/25
100-42-5	Styrene	ND	20	20.4	102	19.7	99	3	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND	20	21.8	109	21.0	105	4	60-130/25
75-65-0	Tert-Butyl Alcohol	ND	100	112	112	102	102	9	60-130/25
630-20-6	1,1,1,2-Tetrachloroethane	ND	20	20.5	103	20.4	102	0	60-130/25
71-55-6	1,1,1-Trichloroethane	ND	20	19.4	97	19.1	96	2	60-130/25
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	22.1	111	21.2	106	4	60-130/25
79-00-5	1,1,2-Trichloroethane	ND	20	20.8	104	19.8	99	5	60-130/25
87-61-6	1,2,3-Trichlorobenzene	ND	20	19.3	97	19.0	95	2	60-130/25
96-18-4	1,2,3-Trichloropropane	ND	20	20.1	101	18.6	93	8	60-130/25
120-82-1	1,2,4-Trichlorobenzene	ND	20	19.5	98	19.3	97	1	60-130/25
95-63-6	1,2,4-Trimethylbenzene	ND	20	20.3	102	20.1	101	1	60-130/25
108-67-8	1,3,5-Trimethylbenzene	ND	20	20.9	105	20.8	104	0	60-130/25
127-18-4	Tetrachloroethylene	0.34	20	19.2	94	19.0	93	1	60-130/25
108-88-3	Toluene	ND	20	20.2	101	19.8	99	2	60-130/25
79-01-6	Trichloroethylene	ND	20	19.5	98	19.4	97	1	60-130/25
75-69-4	Trichlorofluoromethane	1.7	20	19.8	91	19.9	91	1	60-130/25
75-01-4	Vinyl chloride	ND	20	23.8	119	24.2	121	2	60-130/25
1330-20-7	Xylene (total)	ND	60	60.1	100	59.3	99	1	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C24863-7	Limits
1868-53-7	Dibromofluoromethane	97%	97%	98%	60-130%

\* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24863-7MS	W35535.D	1	11/21/12	KN	n/a	n/a	VW1238
C24863-7MSD	W35536.D	1	11/21/12	KN	n/a	n/a	VW1238
C24863-7	W35529.D	1	11/21/12	KN	n/a	n/a	VW1238

The QC reported here applies to the following samples:

Method: SW846 8260B

C24883-5

CAS No.	Surrogate Recoveries	MS	MSD	C24863-7	Limits
2037-26-5	Toluene-D8	98%	100%	99%	60-130%
460-00-4	4-Bromofluorobenzene	97%	96%	100%	60-130%

\* = Outside of Control Limits.

## GC Volatiles

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## 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:** C24883  
**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
GSS56-MB	SS001426.D	1	11/27/12	TT	n/a	n/a	GSS56

The QC reported here applies to the following samples:

Method: SW846 8015B

C24883-1, C24883-2, C24883-3, C24883-4, C24883-5, C24883-6, C24883-7, C24883-8, C24883-9, C24883-10

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	81% 64-153%

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C24883  
**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
GSS56-BS	SS001427.D	1	11/27/12	TT	n/a	n/a	GSS56
GSS56-BSD	SS001428.D	1	11/27/12	TT	n/a	n/a	GSS56

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

C24883-1, C24883-2, C24883-3, C24883-4, C24883-5, C24883-6, C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.25	0.209	84	0.202	81	3	65-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	88%	88%	64-153%

\* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C24883  
**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
C24883-10MS	SS001441.D	1	11/27/12	TT	n/a	n/a	GSS56
C24883-10MSD	SS001442.D	1	11/27/12	TT	n/a	n/a	GSS56
C24883-10	SS001440.D	1	11/27/12	TT	n/a	n/a	GSS56

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

C24883-1, C24883-2, C24883-3, C24883-4, C24883-5, C24883-6, C24883-7, C24883-8, C24883-9, C24883-10

CAS No.	Compound	C24883-10 mg/l	Spike Q	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	0.25	0.178	71	0.180	72	1	65-135/25

CAS No.	Surrogate Recoveries	MS	MSD	C24883-10	Limits
98-08-8	aaa-Trifluorotoluene	78%	77%	83%	64-153%

\* = Outside of Control Limits.