

Alameda County
JAN 14 2003
Environmental Health

**THIRD QUARTER OF 2002 GROUNDWATER
MONITORING AND SAMPLING
FOR THE PROPERTY
LOCATED AT 15595 WASHINGTON AVENUE
SAN LORENZO, CALIFORNIA
OCTOBER 25, 2002**

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

**BY:
ENVIRO SOIL TECH CONSULTANTS
131 TULLY ROAD
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ENVIRO SOIL TECH CONSULTANTS

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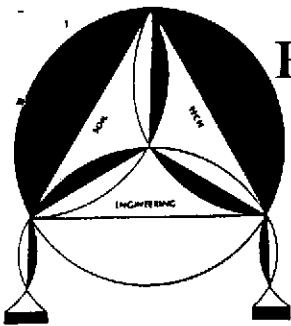
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October 25, 2002

File No. 12-99-702-SI

Mr. Mehdi Mohammadian

Cal Gas

15595 Washington Avenue

San Lorenzo, California 94580

**SUBJECT: THIRD QUARTER OF 2002 GROUNDWATER
MONITORING AND SAMPLING
FOR THE PROPERTY**

Located at 15595 Washington Avenue, in
San Lorenzo, California

Dear Mr. Mohammadian:

This report presents the results of second quarter of 2002 groundwater monitoring and sampling conducted by Enviro Soil Tech Consultants (ESTC), on October 5, 2002, at the subject site (Figure 1).

The five monitoring wells (MW-1 through MW-5) located on-site were monitored for presence of floating products and/or distinctive odor, and groundwaters were collected from these wells for laboratory analyses.

This quarterly groundwater monitoring and sampling of the on-site monitoring wells was conducted in accordance with the request and authorization of Mr. Mehdi Mohammadian and at the request of Mr. Scott O. Seery with Alameda County Health Care Services Agency-Environmental Health Services (ACHCSA-EHS) in letter dated May 19, 1999.

PURPOSE:

The purpose of quarterly groundwater monitoring and sampling investigation was to define the direction of groundwater flow and the extent of hydrocarbons contamination in the groundwater at the site.

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 contained one single story building, underground storage tanks located at the center portion of the property and south of the pump islands. The subject property is located in an area of commercial and residential development.

BACKGROUND:

From 1974 to 1983, Calleris who had operated the gasoline service station owned the site.

From 1983 to 1986, Texaco owned the site, and during this time, the site was not in operation. Texaco removed the existing USTs in 1986, and subsurface contamination was detected in the fuel tank excavation.

In 1986, Bertram Kubo, who installed three new 10,000-gallon fuel tanks at a new location and reopened as a retail service station, purchased the site.

In 1990, the property was sold to the current owner, Mr. Mehdi Mohammadian, who operates the site as Shell retail service station.

In 1986, Groundwater Technology (GWT) conducted soil and groundwater investigation at the site by installing three on-site monitoring wells (MW-1 to MW-3). Hydrocarbon impact to shallow groundwater was detected in these wells. The detail of GWT's subsurface investigation is described in a report dated October 1986.

In July 1998, Toxicchem Management Systems, Inc. (TMS) conducted an additional subsurface investigation, by installing two additional on-site wells (MW-4 and MW-5). TMS's findings showed presence of petroleum hydrocarbons in all wells. The details of this additional assessment are described in their report dated October 16, 1998. Quarterly monitoring of the five on-site wells has been conducted since August 1998. TPHg, BTEX and MTBE were detected in all the monitoring wells.

Per the request and authorization of Mr. Mehdi Mohammadian and under the directive of Mr. Scott O. Seery with ACHCSA-EHS in letters dated May 9, 1999; November 8, 1999 and November 10, 1999, ESTC submitted a proposed work plan for assessment of off-site gasoline plume using of so-called "rapid assessment" tools such as Geoprobe. The details of this work plan is described in ESTC's report entitled "Proposed Work Plan for Preliminary Off-Site Soil & Groundwater Assessment for the Property...", dated February 11, 2000.

On April 18, 2000, ESTC conducted soil and groundwater assessment off-site gasoline plume. Based on the off-site investigation, upto date, ESTC have been conducting quarterly monitoring and sampling of groundwater from the on-site monitoring wells.

SCOPE OF PRESENT WORK:

The scopes of present work are as follow:

- Monitor wells MW-1 to MW-5 for presence of any sheen and/or odor and measure the depth-to-water table.
- Purge the monitoring wells prior to sampling.
- Sample monitoring wells MW-1 to MW-5.
- Submit water samples to a state-certified laboratory for chemical analyses of Total Petroleum Hydrocarbons as gasoline (TPHg); Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX); Methyl Tertiary Butyl Ether (MTBE) and other hydrocarbons fuel oxygenates compounds per EPA Method 8260B.
- Review results and prepare a report of the investigation.

FIELD ACTIVITIES:

The five on-site monitoring wells (MW-1 to MW-5) were monitored for floating products and/or distinctive odor, and the water samples were collected for laboratory analyses (Figure 2).

GROUNDWATER MONITORING:

On October 5, 2002, ESTC's staff monitored five monitoring wells (MW-1 to MW-5) for groundwater depth and presence of sheen and/or odor. No sheen or odor was detected in any of the monitoring wells during field inspection. The shallow groundwater table depths ranged from 8.54 feet (well MW-2) to 10.72 feet (well MW-5) below ground surface. Table 1 summarizes the depth to groundwater measurements and the field observations made.

GROUNDWATER SAMPLING:

Following the monitoring of the groundwater, in order to assure the samples were representative of surrounding groundwater, approximately four to five well volumes of water was purged from each well using a bailer before the sample was collected. A stainless steel bailer was used for sample collection. Water sampling equipment was decontaminated before and after each well sampling using Tri-sodium Phosphate (TSP) and water wash, followed by double rinsing. Groundwater samples were collected in 40-milliliter glass vials sealed with Teflon-lined screw caps, labeled and placed in a cold ice chest. Groundwater samples were submitted to Entech Analytical Labs, a state-certified laboratory, with proper chain-of-custody for analyses. The sampling was conducted in accordance with ESTC's Standard Operation Procedures (Appendix "D") and ACHCSA-EHS guidelines.

GROUNDWATER FLOW:

Water elevation data were used to determine groundwater flow direction. Table 1 summarizes the groundwater elevations. The groundwater flow direction beneath the site was in a northeasterly direction as of October 5, 2002 (Figure 2).

ANALYTICAL RESULTS:

Groundwater samples from monitoring wells MW-1 to MW-5 were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) per EPA method 8015 MOD; BTEX; MTBE and other hydrocarbons fuel oxygenates compounds per EPA Method 8260B.

Groundwater samples from the monitoring wells detected levels of TPHg ranging from 110 micrograms per liter ($\mu\text{g/L}$) to the maximum of 25000 $\mu\text{g/L}$; Benzene ranging from non-detectable to maximum of 110 $\mu\text{g/L}$ and MTBE ranging from 53 $\mu\text{g/L}$ to maximum of 55000 $\mu\text{g/L}$. All five monitoring wells detected TEX below laboratory detection limit in the water samples. Monitoring wells MW-3 and MW-5 detected some other petroleum hydrocarbons constituents in the groundwater samples.

The groundwater analytical results are summarized in Table 1. Copy of the analytical results and chain-of-custody documentation are attached in Appendix "E".

SUMMARY:

All five monitoring wells detected TPHg and MTBE in the water samples. One out of five wells detected Benzene in water sample. All five wells detected TEX below laboratory detection limit in the water samples. Two out of five monitoring wells detected some other hydrocarbons fuel oxygenates compounds in the water samples.

RECOMMENDATION:

ESTC recommends the continuation of quarterly monitoring and sampling of the five on-site wells. A copy of this report will be forward to Alameda County Health Care Services Agency-Environmental Health Services (ACHCSA-EHS) and Regional Water Quality Control Board (RWQCB).

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.

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.

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

Sincerely,

ENVIRO SOIL TECH CONSULTANTS


FRANK HAMEDI-FARD
GENERAL MANAGER


LAWRENCE KOO, P. E.
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A P P E N D I X "A"

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
8/08/86	MW-1 (N/A)	15	10	N/A	N/A	N/A	N/A	ND<500	ND<500	NA	82	NA
11/12/92				11.37†	N/A	N/A	720	3	0.5	1	1	NA
3/24/94	22.93 (feet MSL)			8.71*	14.22	Odor	1300	110	ND<0.5	19	ND<0.5	NA
12/15/95				8.49*	14.44	No sheen Weakly petroleum odor	350	18	2.9	3.5	2.8	NA
8/26/98	22.96 Resurveyed			9.30*	13.66	N/A	ND <500	17	ND<5	ND<5	ND<5	340000
1/26/99				7.96*	15.00	N/A	ND <50000	ND<500	ND<500	ND<500	ND<500	269000
4/06/99				8.01*	14.95	N/A	3500	296	ND<10	43	18.6	117000
5/24/00	23.05 Resurveyed			8.24*	14.81	No sheen or odor	33000	ND <5000	ND <5000	ND <5000	ND <5000	74000
8/24/00				9.43*	13.62	No sheen or odor	11000	ND <2000	ND <2000	ND <2000	ND <2000	32000
11/22/00				9.28*	13.77	Light rainbow sheen No odor	24000	ND <2500	ND <2500	ND <2500	ND <2500	35000
2/22/01				7.86*	15.19	No sheen or odor	19000	ND <5000	ND <5000	ND <5000	ND <5000	51000
5/29/01				8.96*	14.09	No sheen or odor	30000	ND <5000	ND <5000	ND <5000	ND <5000	110000
8/22/01				9.66*	13.39	No sheen or odor	46000	ND <2500	ND <2500	ND <2500	ND <2500	70000
12/06/01				8.36*	14.69	No sheen or odor	25000	ND <2500	ND <2500	ND <2500	ND <2500	37000
3/25/02	23.05 Resurveyed			7.84*	15.21	Light rainbow sheen No odor	770	ND<830	ND<830	ND<830	ND<830	20000

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
7/02/02	MW-1 (23.05)	15	10	8.96*	14.14	No sheen or odor	550	ND<500	ND<500	ND<500	ND<500	13000
10/05/02				9.58*	13.47	No sheen or odor	880•	ND<250	ND<250	ND<250	ND<250	3800
8/08/96	MW-2 (N/A)	15	10	N/A	N/A	N/A	NA	ND<50	ND<50	NA	ND<50	NA
11/12/92				10.55†	N/A	N/A	ND<10	ND<0.3	ND<0.3	ND<0.3	ND<0.5	NA
3/24/94	22.09 (feet MSL)			7.87*	14.22	N/A	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A
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
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
1/26/99				7.29*	14.78	N/A	ND <2000	ND<20	ND<20	ND<20	ND<20	9450
4/06/99				7.28*	14.79	N/A	ND <1000	ND<10	ND<10	ND<10	ND<10	209000
5/24/00	21.94 Resurveyed			7.22*	14.72	No sheen or odor	46000	ND <12500	ND <12500	ND <12500	ND <12500	180000
8/24/00				8.39*	13.55	No sheen or odor	21000	ND <2500	ND <2500	ND <2500	ND <2500	70000
11/22/00				8.24*	13.70	No sheen or odor	29000	ND <2500	ND <2500	ND <2500	ND <2500	43000
2/22/01				6.52*	15.42	No sheen or odor	20000	ND <5000	ND <5000	ND <5000	ND <5000	61000
5/29/01				7.90*	14.04	No sheen or odor	9100	ND <1000	ND <1000	ND <1000	ND <1000	24000
8/22/01				8.62*	13.32	No sheen or odor	8700	ND<500	ND<500	ND<500	ND<500	12000

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
12/06/01	MW-2 (21.94)	15	10	7.28*	14.66	No sheen or odor	11000	ND <1250	ND <1250	ND <1250	ND <1250	22000
3/25/02	(21.94) Resurveyed			6.86*	15.08	No sheen or odor	ND<50	ND<830	ND<830	ND<830	ND<830	25000
7/02/02				7.96*	13.98	No sheen or odor	ND<50	ND<170	ND<170	ND<170	ND<170	6000
10/05/02				8.54*	13.40	No sheen or odor	820•	ND<250	ND<250	ND<250	ND<250	3400
8/08/96	MW-3 (N/A)	16	10	N/A	N/A	N/A	NA	ND<50	ND<50	NA	ND<50	NA
11/12/92				11.32†	N/A	N/A	69	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NA
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
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
8/26/98	22.74 Resurveyed			9.29*	13.45	N/A	ND <500	36	ND<5	ND<5	ND<5	99000
12/16/99				8.00*	14.74	N/A	ND <500	ND<50	ND<50	ND<50	ND<50	19800
4/06/99				8.00*	14.74	N/A	ND <1000	ND<10	ND<10	ND<10	ND<10	151000
5/24/00	22.56 Resurveyed			8.08*	14.47	No sheen or odor	48000	ND <12500	ND <12500	ND <12500	ND <12500	200000
8/24/00				9.24*	13.32	No sheen or odor	52000	ND <5000	ND <5000	ND <5000	ND <5000	170000
11/22/00				9.08*	13.48	No sheen or odor	69000	ND <10000	ND <10000	ND <10000	ND <10000	160000
2/22/01				7.58*	14.98	No sheen or odor	30000	ND <5000	ND <5000	ND <5000	ND <5000	130000
5/29/01				8.76*	13.80	No sheen or odor	29000	ND <2500	ND <2500	ND <2500	ND <2500	78000

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE
8/22/01	MW-3 (22.56)	16	10	9.46*	13.10	No sheen or	37000	ND <5000	ND <5000	ND <5000	ND <5000	98000
12/06/01				8.06*	14.50	No sheen or odor	33000	ND <5000	ND <5000	ND <5000	ND <5000	94000
3/25/02	22.56 Resurveyed			7.62*	14.94	No sheen or odor	ND<50	ND <2500	ND <2500	ND <2500	ND <2500	62000
7/02/02				7.78*	14.78	No sheen or odor	73Z	ND <2000	ND <2000	ND <2000	ND <2000	67000
10/05/02				9.38*	13.18	No sheen or odor	25000•	ND <2500	ND <2500	ND <2500	ND <2500	55000
8/26/98	MW-4 (23.51) feet MSL	19	N/A	9.87	13.64	N/A	170	2	0.74	1.3	1	150
1/26/99				8.54	14.97	N/A	140	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.6
4/06/99				8.34	15.17	N/A	390	3.94	ND<0.5	1.52	0.808	15.2
5/24/00	23.40 Resurveyed			8.72	14.68	No sheen or odor	210	ND<5	ND<5	ND<5	ND<5	40
8/24/00				9.88	13.52	No Sheen or odor	160	ND<5	7.4	ND<5	ND<5	44
11/22/00				9.76	13.64	No sheen or odor	140	ND<5	ND<5	ND<5	ND<5	25
2/22/01				8.42	14.98	No sheen or odor	160	ND<5	ND<5	ND<5	ND<5	32
5/29/01				9.42	13.98	No sheen or odor	160	ND<5	ND<5	ND<5	ND<5	31
8/22/01				10.10	13.30	No sheen or odor	96	ND<5	ND<5	ND<5	ND<5	28
12/06/01				8.68	14.72	No sheen or odor	160	ND<5	ND<5	ND<5	ND<5	25
3/25/02	23.40 Resurveyed			8.28	15.12	No sheen or odor	150	ND<5	ND<5	ND<5	ND<5	14
7/02/02				9.36	14.04	No sheen or odor	120	ND<5	ND<5	ND<5	ND<5	ND<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
10/05/02	MW-4 (23.40)	19	N/A	10.12	13.28	No sheen or odor	110	ND<5	ND<5	ND<5	ND<5	53
8/26/98	MW-5 (23.85) feet MSL	19	N/A	10.51	13.34	N/A	6600	240	ND<50	380	84	ND<250
1/26/99				10.26	13.59	N/A	371	11.7	ND<0.5	3.22	ND<0.5	36.4
4/06/99				9.32	14.53	N/A	7680	266	ND<10	280	ND<10	ND<10
5/24/00				9.39	14.47	Rainbow sheen No odor	3300	180	ND<25	140	ND<25	200
8/24/00				10.54	13.32	Light rainbow sheen No odor	3200	150	ND<10	91	ND<10	300
11/22/00				10.42	13.44	No sheen Light sewerage odor	520	120	ND<25	46	ND<25	510
2/22/01				8.88	14.98	No sheen or odor	5400	100	ND<50	94	ND<50	700
5/29/01	23.86 Resurveyed			10.08	13.78	Rainbow sheen No odor	3700	83	ND<50	58	ND<50	860
8/22/01				10.76	13.10	Light rainbow sheen No odor	5900	150	ND<10	ND<10	ND<10	1700
12/06/01				9.48	14.38	Rainbow sheen Light petroleum odor	4900	ND<50	ND<50	ND<50	ND<50	1900
3/25/02	23.86 Resurveyed			9.08	14.78	No sheen or odor	4000	170	ND<83	ND<83	ND<83	2200
7/02/02				10.02	13.84	No sheen or odor	6100	ND<130	ND<130	ND<130	ND<130	2600
10/05/02				10.72	13.14	No sheen or odor	5500	110	ND<100	ND<100	ND<100	2500

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

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl Tertiary Butyl Ether

MSL - Mean Sea Level

N/A - Not Applicable

ND - Not Detected (Below Laboratory Detection Limit)

* 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

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes

Perf. - Perforation

GW Elev. - Groundwater Elevation

NA - Not Analyzed

† Well screens are not submerged

Z - Sample exhibits unknown single peak or peaks

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR
HYDROCARBONS FUEL OXYGENATES (EPA 8260B)

Date	Well No.	Hydrocarbons Fuel Oxygenates	Concentration (µg/L)
5/24/00	MW-1	Methyl tert-butyl Ether	74000
8/24/00		Methyl tert-butyl Ether	32000
11/22/00		Methyl tert-butyl Ether	35000
2/22/01		Methyl tert-butyl Ether	51000
5/29/01		Methyl tert-butyl Ether	110000
8/22/01		Methyl tert-butyl Ether tert-Butanol	70000 11000
12/06/01		Methyl tert-butyl Ether	37000
3/25/02		Methyl tert-butyl Ether	20000
7/02/02		Methyl tert-butyl Ether	13000
10/05/02		Methyl tert-butyl Ether	3800
5/24/00	MW-2	Methyl tert-butyl Ether	180000
8/24/00		Methyl tert-butyl Ether	70000
11/22/00		Methyl tert-butyl Ether	43000
2/22/01		Methyl tert-butyl Ether	61000
5/29/01		Methyl tert-butyl Ether	24000
8/22/01		Methyl tert-butyl Ether	12000
12/06/01		Methyl tert-butyl Ether	22000
3/25/02		Methyl tert-butyl Ether	25000
7/02/02		Methyl tert-butyl Ether	6000
10/05/02		Methyl tert-butyl Ether	3400
5/24/00	MW-3	Methyl tert-butyl Ether	200000
8/24/00		Methyl tert-butyl Ether	170000
11/22/00		Methyl tert-butyl Ether	160000
2/22/01		Methyl tert-butyl Ether	130000
5/29/01		Methyl tert-butyl Ether	78000
8/22/01		Methyl tert-butyl Ether	98000
12/06/01		Methyl tert-butyl Ether	94000
3/25/02		Methyl tert-butyl Ether	62000
7/02/02		Methyl tert-butyl Ether	67000

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
HYDROCARBONS FUEL OXYGENATES (EPA 8260B)

Date	Well No.	Hydrocarbons Fuel Oxygenates	Concentration (µg/L)
10/05/02	MW-3	Methyl tert-butyl Ether Methylene Chloride	55000 7000
5/24/00	MW-4	Methyl tert-butyl Ether	40
8/24/00		Methyl tert-butyl Ether Toluene	44 7.4
11/22/00		Methyl tert-butyl Ether	25
2/22/01		Methyl tert-butyl Ether	32
5/29/01		Methyl tert-butyl Ether	31
8/22/01		Methyl tert-butyl Ether	28
12/06/01		Methyl tert-butyl Ether	25
3/25/02		Methyl tert-butyl Ether	14
7/02/02		None Detected	<5
10/05/02		Methyl tert-butyl Ether	53
5/24/00	MW-5	Benzene Ethylbenzene Isopopylbenzene Methyl tert-butyl Ether n-Butylbenzene n-Propylbenzene Naphthalene	180 140 55 200 42 200 120
8/24/00		1,2,4-Trimethylbenzene Benzene Ethylbenzene Isopopylbenzene Methyl tert-butyl Ether n-Butylbenzene n-Propylbenzene Naphthalene p-Isopropyltoluene sec-Butylbenzene	15 150 91 38 300 29 140 87 28 12

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
HYDROCARBONS FUEL OXYGENATES (EPA 8260B)

Date	Well No.	Hydrocarbons Fuel Oxygenates	Concentration (µg/L)
11/22/00	MW-5	Benzene	120
		Ethylbenzene	46
		Isopropylbenzene	31
		Methyl tert-butyl Ether	510
		n-Propylbenzene	100
		Naphthalene	37
2/22/01		Benzene	100
		Ethylbenzene	94
		Methyl tert-butyl Ether	700
		n-Propylbenzene	160
		Naphthalene	90
5/29/01		Benzene	83
		Ethylbenzene	58
		Methyl tert-butyl Ether	860
		n-Propylbenzene	130
		Naphthalene	64
8/22/01		Benzene	150
		Methyl tert-butyl Ether	1700
		n-Propylbenzene	230
		Naphthalene	140
12/06/01		Methyl tert-butyl Ether	1900
3/25/02		Methyl tert-butyl Ether	2200
		Benzene	170
		Propylbenzene	180
7/02/02		Methyl tert-butyl Ether	2600
		Propylbenzene	240
10/05/02		Benzene	110
		Methyl tert-butyl Ether	2500
		n-Propylbenzene	230
		Naphthalene	120

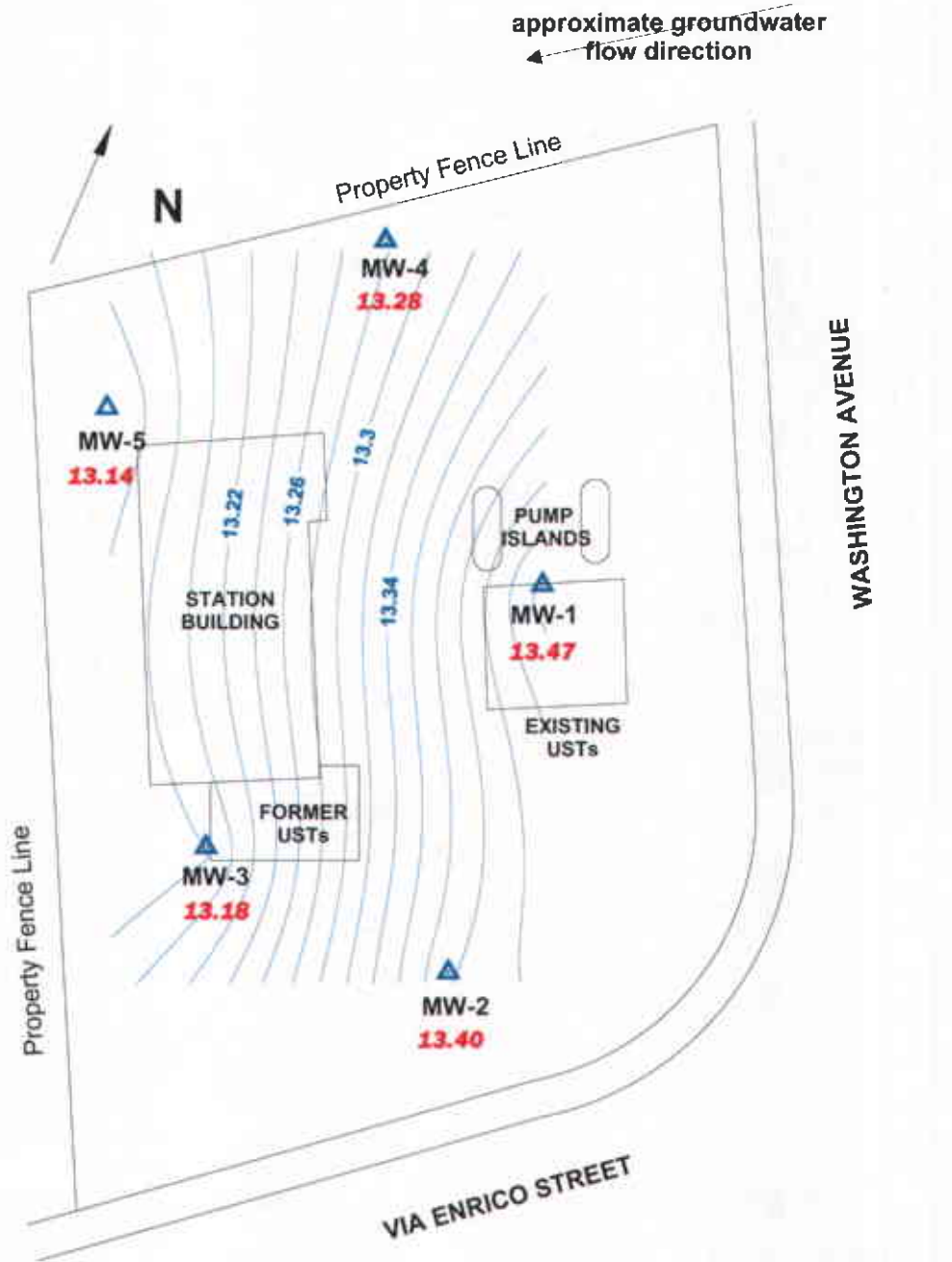
A P P E N D I X "B"

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Figure 1

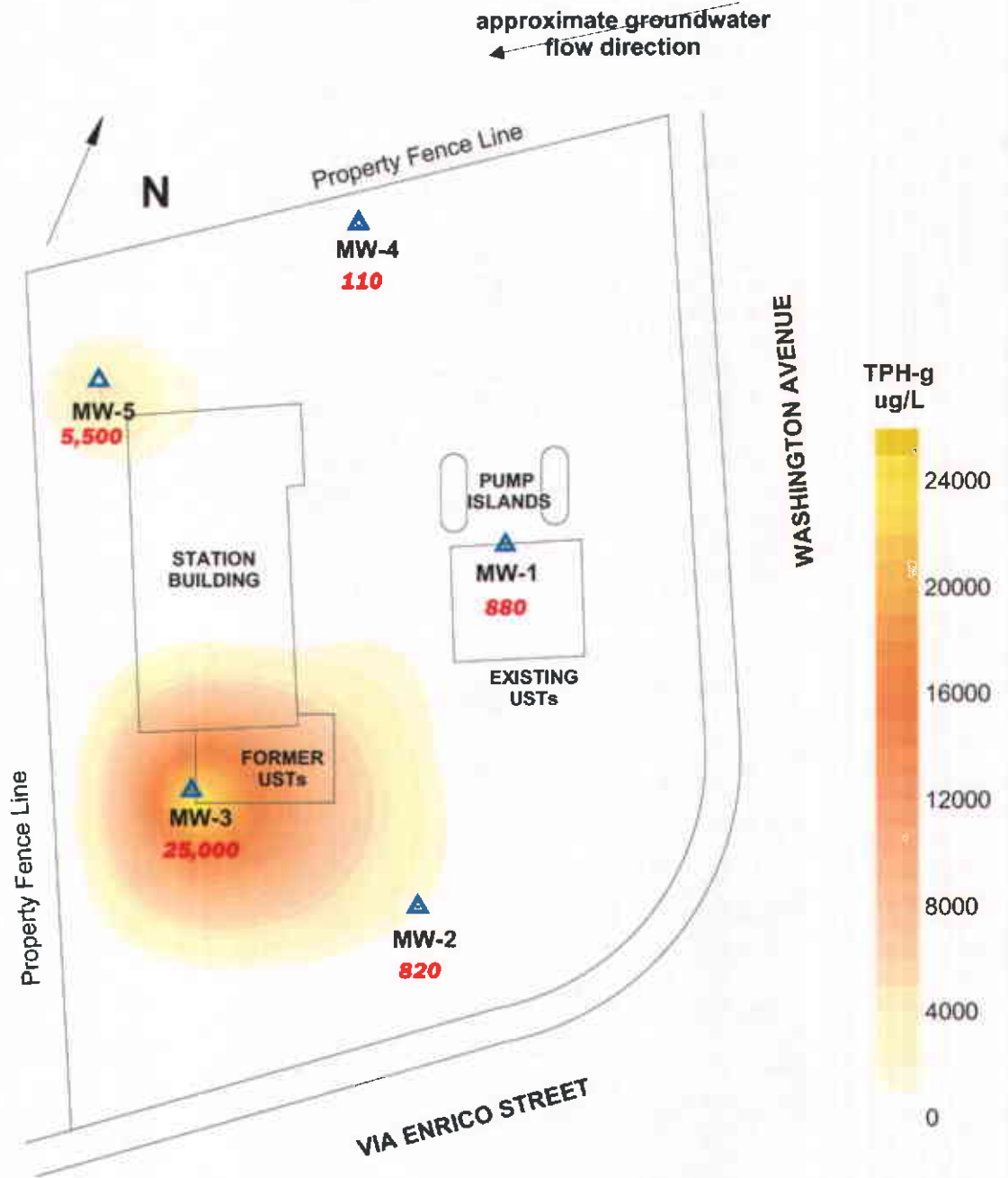


approximate scale in feet



Figure 2: Groundwater elevation contour map.
October 5, 2002.

10/25/02



▲ Monitoring Well

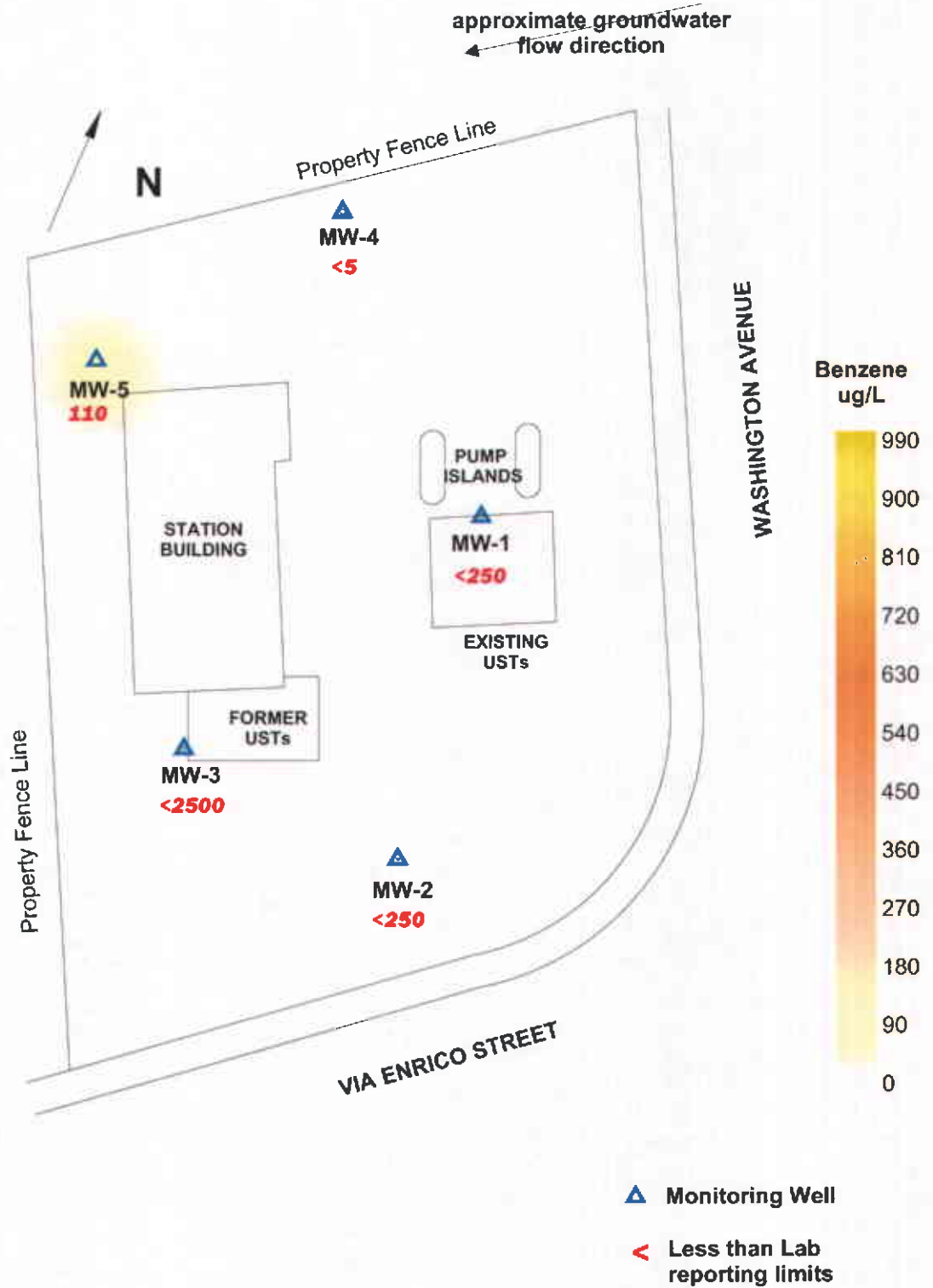
approximate scale in feet



Figure 3: Contour map of TPH-g concentrations in the groundwater.
October 5, 2002.

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M3 10/25/02



approximate scale in feet

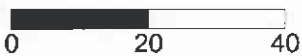
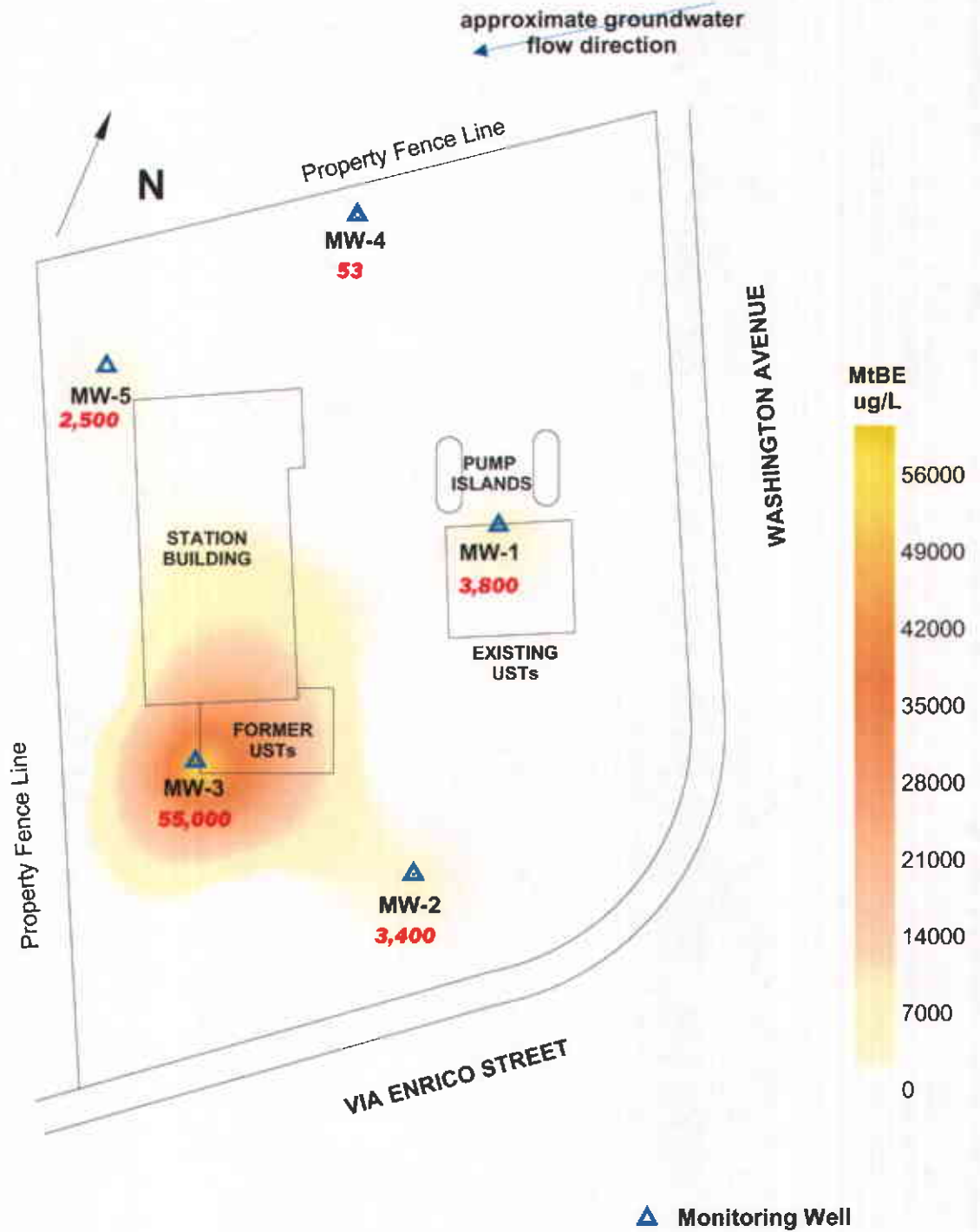


Figure 4: Contour map of Benzene concentrations in the groundwater.
October 5, 2002.

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M4

10/25/02



approximate scale in feet

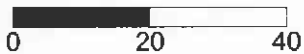


Figure 5: Contour map of MtBE concentrations in the groundwater.
October 5, 2002.

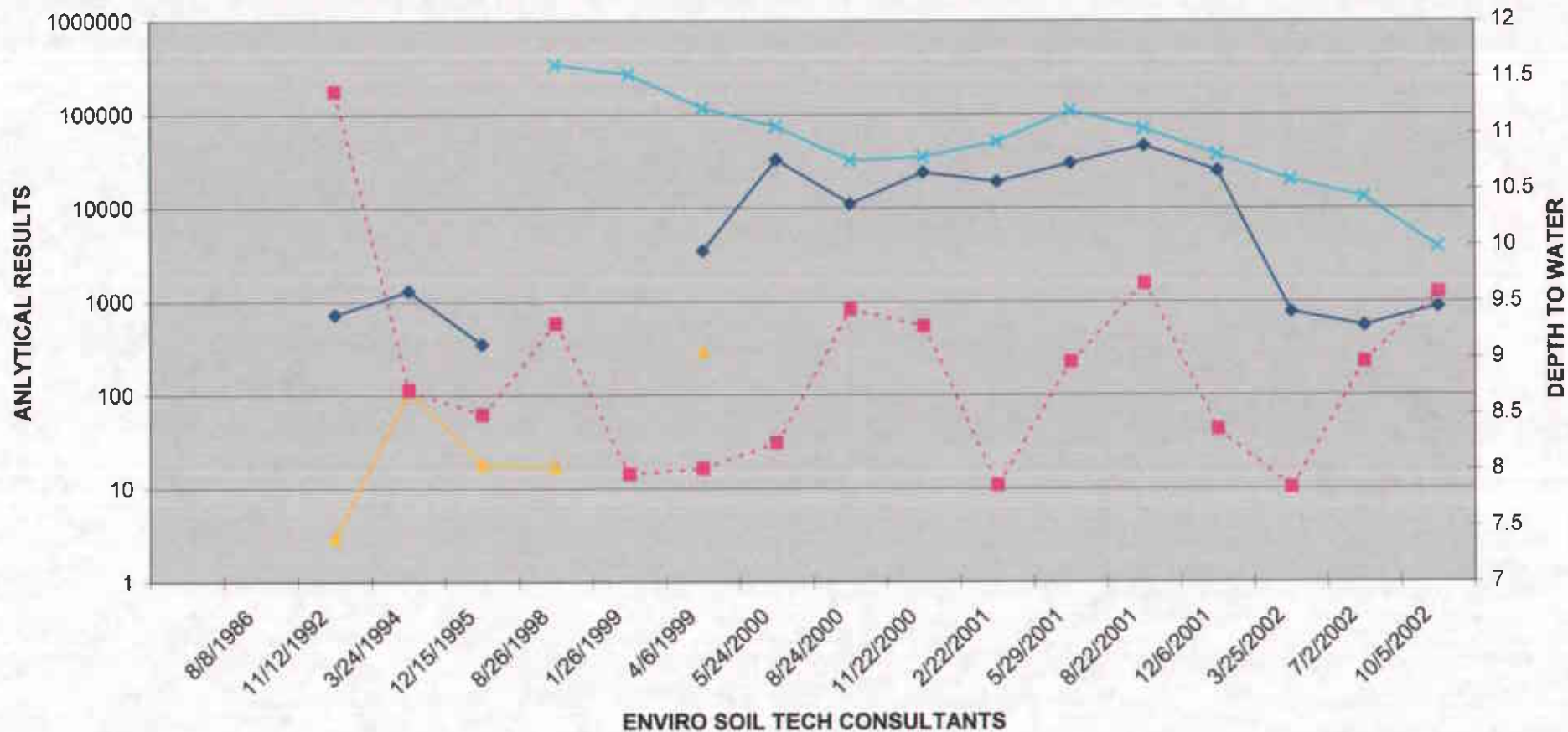
Enviro Soil
Consultants

M5

10/25/02

A P P E N D I X "C"

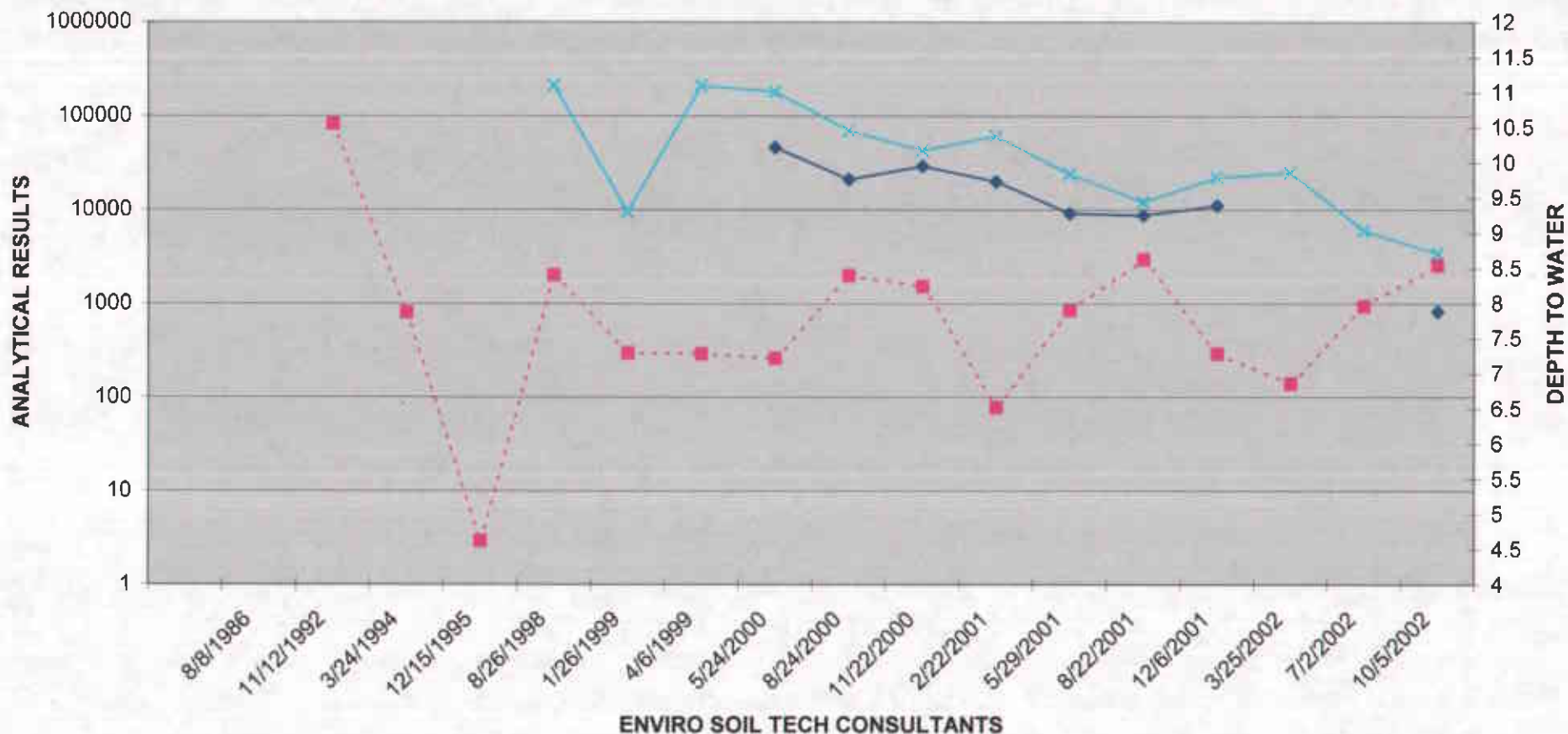
File No.: 12-99-702-SI
 TPHg, BENZENE & MTBE FOR MW-1 (µg/L)
 AND DEPTH TO WATER MEASUREMENT (Feet)



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Legend:
 -◆- TPHg
 -▲- BENZENE
 -×- MTBE
 -■- DEPTH TO WATER

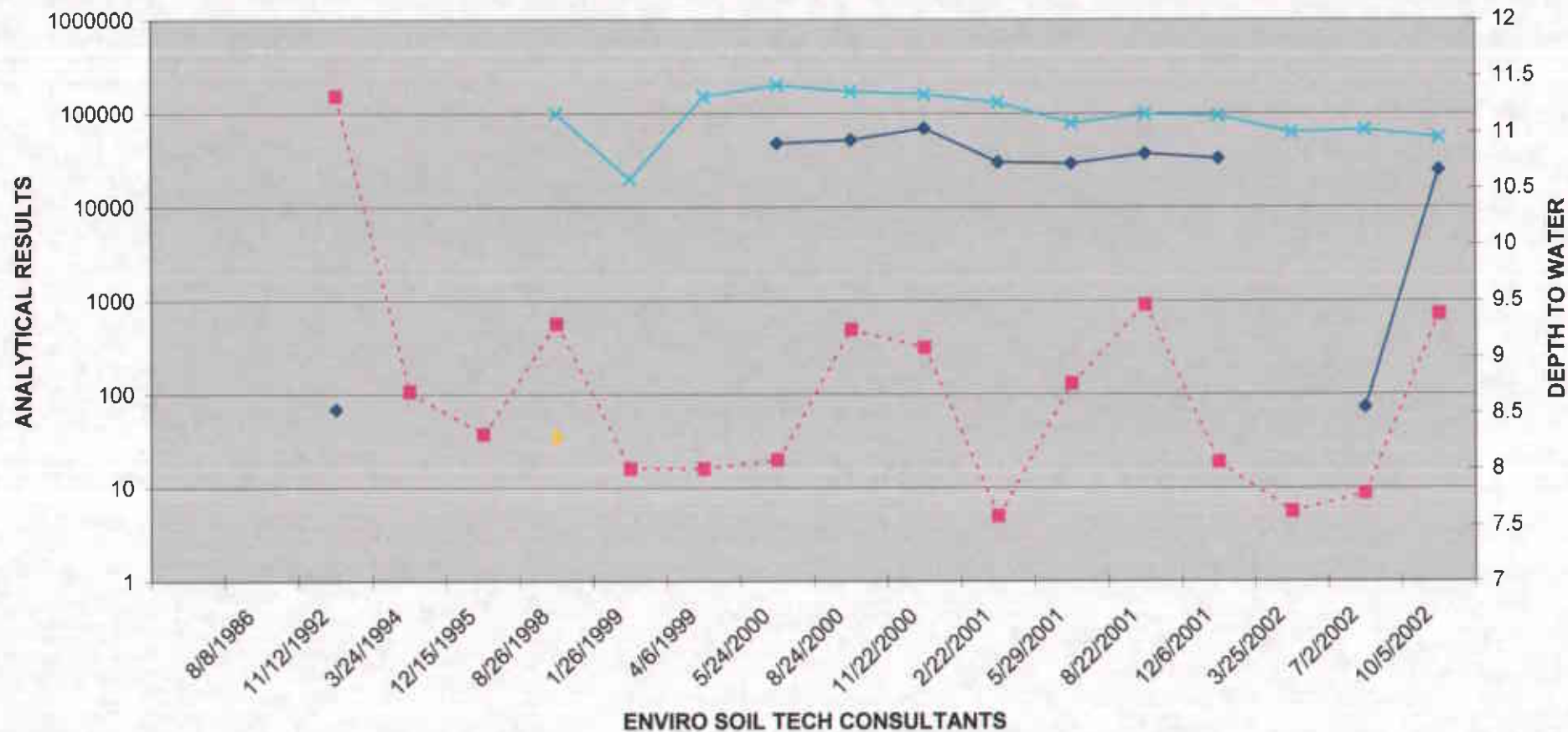
File No.: 12-99-702-SI
 TPHg, BENZENE & MTBE RESULTS FOR MW-2 (µg/L)
 AND DEPTH TO WATER MEASUREMENT (Feet)



—◆— TPHg —★— BENZENE —×— MTBE ···■··· DEPTH TO WATER

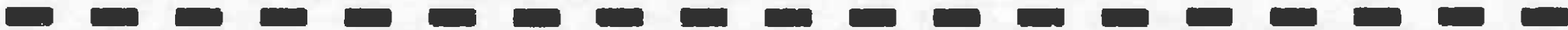
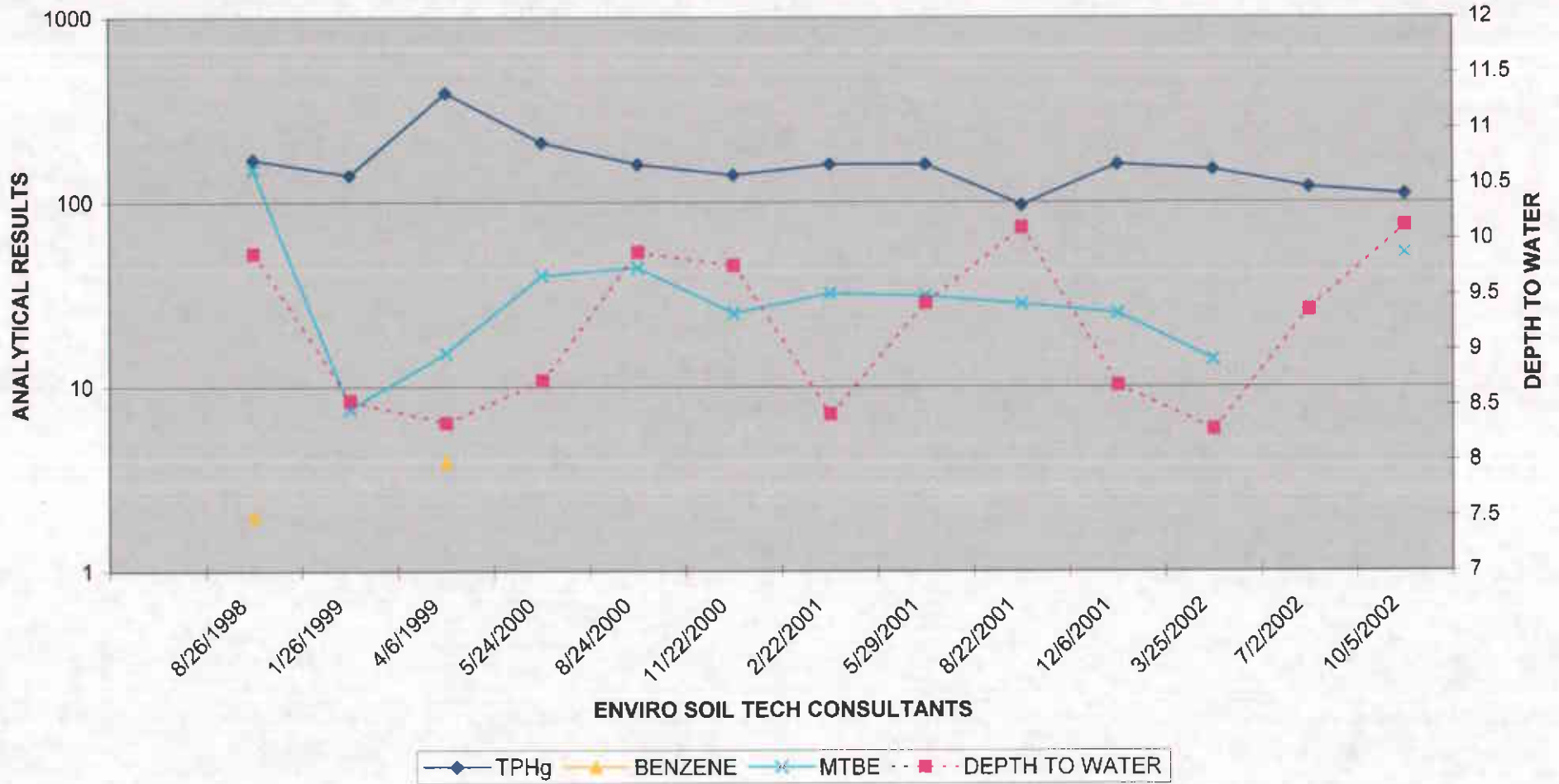
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File No.: 12-99-702-SI
 TPHg, BENZENE & MTBE RESULTS FOR MW-3 (µg/L)
 AND DEPTH TO WATER MEASUREMENT (Feet)

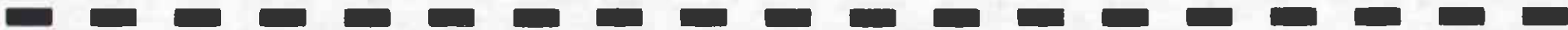
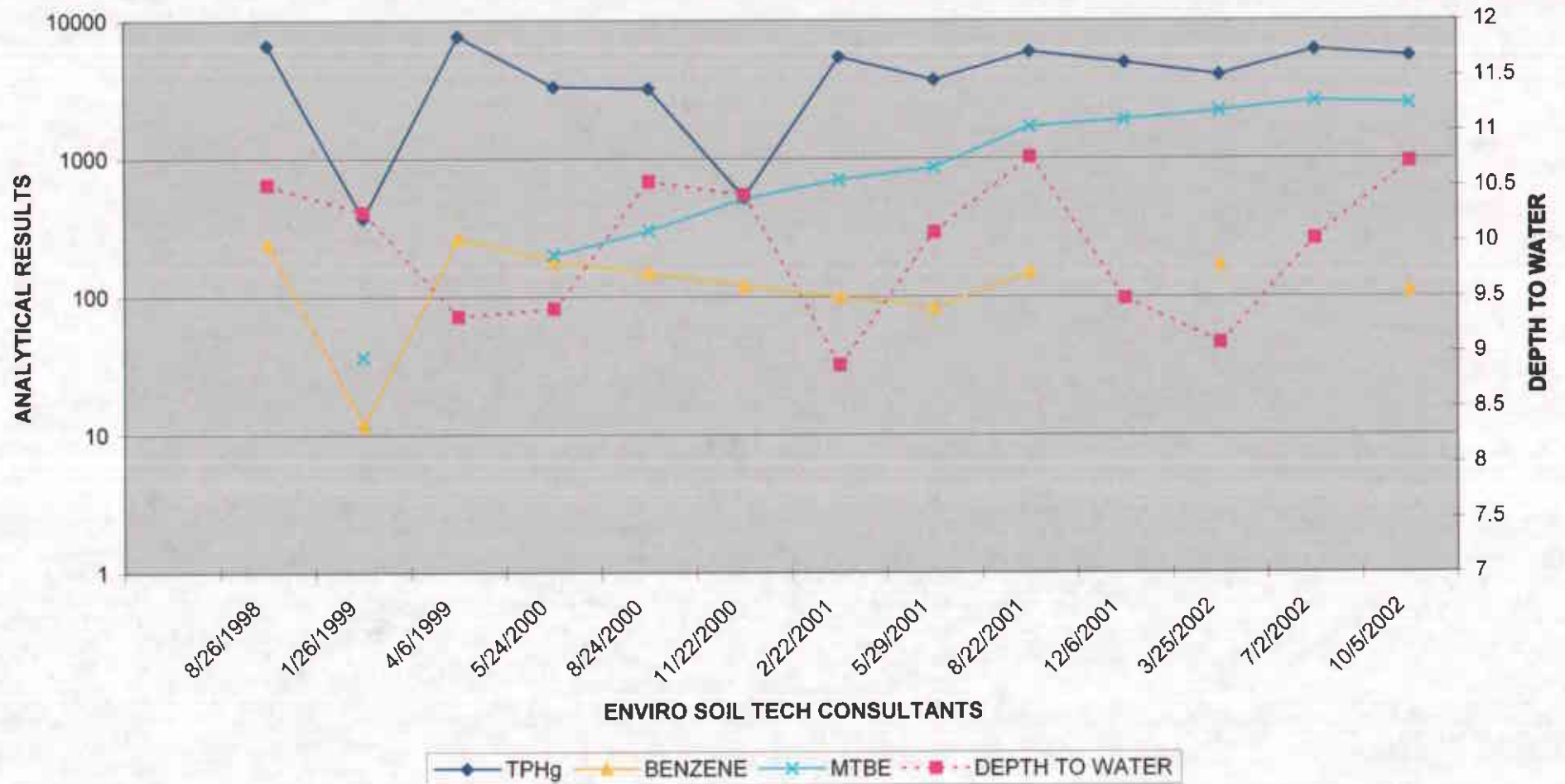


◆ TPHg
 ● BENZENE
 ✕ MTBE
 ■ DEPTH TO WATER

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



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



A P P E N D I X "D"

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GROUNDWATER SAMPLING

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

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

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

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

A P P E N D I X "E"

ENVIRO SOIL TECH CONSULTANTS

Entech Analytical Labs, Inc.

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

October 19, 2002

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

Order: 31512
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
Project Notes:

Date Collected: 10/5/2002
Date Received: 10/7/2002
P.O. Number: 12-99-702-SI

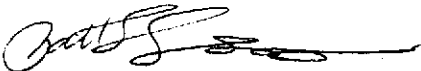
On October 07, 2002, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	EDF Deliverables	EDF
	EPA 8260B	EPA 8260B
	TPH as Gasoline	EPA 8015 MOD. (Purgeable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

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

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

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512 Lab Sample ID: 31512-001 Client Sample ID: MW-1

Sample Time: 3:05 PM Sample Date: 10/5/2002 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	880	x	1	50	50	µg/L	N/A	10/8/2002	WGC62598B	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
4-Bromofluorobenzene							121.7		65 - 135	

Comment: TPH as Gasoline reported value due to high concentrations of MTBE which are present in the TPH as Gasoline quantitation range.

Order ID: 31512 Lab Sample ID: 31512-002 Client Sample ID: MW-2

Sample Time: 2:10 PM Sample Date: 10/5/2002 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	820	x	1	50	50	µg/L	N/A	10/8/2002	WGC62598B	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
4-Bromofluorobenzene							77.4		65 - 135	

Comment: TPH as Gasoline reported value due to high concentrations of MTBE which are present in the TPH as Gasoline quantitation range.

Order ID: 31512 Lab Sample ID: 31512-003 Client Sample ID: MW-3

Sample Time: 1:08 PM Sample Date: 10/5/2002 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	25000	x	250	50	12500	µg/L	N/A	10/9/2002	WGC62601	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
4-Bromofluorobenzene							88.4		65 - 135	

Comment: TPH as Gasoline reported value due to high concentrations of MTBE which are present in the TPH as Gasoline quantitation range.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandroock, QA/QC Manager

Environmental Analysis Since 1983

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131 Tully Road
San Jose, CA 95111
Attn: Frank Hamed

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-004

Client Sample ID: MW-4

Sample Time: 12:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	110		1	50	50	µg/L	N/A	10/10/2002	WGC62606	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
4-Bromofluorobenzene							112.0		65 - 135	

Order ID: 31512

Lab Sample ID: 31512-005

Client Sample ID: MW-5

Sample Time:

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	5500		50	50	2500	µg/L	N/A	10/9/2002	WGC62601	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
4-Bromofluorobenzene							125.7		65 - 135	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-001

Client Sample ID: MW-1

Sample Time: 3:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,1-Trichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2-Trichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloropropene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trimethylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3,5-Trimethylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,4-Dichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2,2-Dichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Butanone (MEK)	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chlorotoluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Hexanone	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Chlorotoluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Acetone	ND		50	100	5000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Benzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromochloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromodichloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromoform	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Enviro Soil Tech Consultants

131 Tully Road
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Attn: Frank Hamedi

Date: 10/19/02

Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-001

Client Sample ID: MW-1

Sample Time: 3:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Disulfide	ND		50	15	750	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Tetrachloride	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroform	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,2-Dichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,3-Dichloropropene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromochloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromomethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dichlorodifluoromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Diisopropyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Ethyl Benzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Freon 113	ND		50	10	500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Hexachlorobutadiene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropanol	ND		50	40	2000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methyl-t-butyl Ether	3800		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methylene Chloride	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Butylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Propylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Naphthalene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
p-Isopropyltoluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
sec-Butylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Styrene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Amyl Methyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butanol	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butyl Ethyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrachloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrahydrofuran	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Toluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-001

Client Sample ID: MW-1

Sample Time: 3:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,2-Dichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
trans-1,3-Dichloropropene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichlorofluoromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Vinyl Chloride	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Xylenes, Total	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	95.5	73 - 151
Dibromofluoromethane	97.9	57 - 139
Toluene-d8	105.3	77 - 150

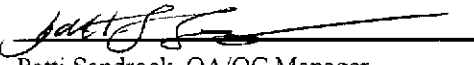
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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

Enviro Soil Tech Consultants

131 Tully Road

San Jose, CA 95111

Attn: Frank Hamedi

Date: 10/19/02

Date Received: 10/7/2002

Project Name: 15595 Washington Ave

Project Number: 12-99-702-SI

P.O. Number: 12-99-702-SI

Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-002

Client Sample ID: MW-2

Sample Time: 2:10 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,1-Trichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2-Trichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloropropene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trimethylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3,5-Trimethylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,4-Dichlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2,2-Dichloropropane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Butanone (MEK)	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chlorotoluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Hexanone	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Chlorotoluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Acetone	ND		50	100	5000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Benzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromochloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromodichloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromoform	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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131 Tully Road
San Jose, CA 95111
Attn: Frank Hamedi

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-002

Client Sample ID: MW-2

Sample Time: 2:10 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Disulfide	ND		50	15	750	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Tetrachloride	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chlorobenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroform	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,2-Dichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,3-Dichloropropene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromochloromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromomethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dichlorodifluoromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Diisopropyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Ethyl Benzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Freon 113	ND		50	10	500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Hexachlorobutadiene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropanol	ND		50	40	2000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methyl-t-butyl Ether	3400		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methylene Chloride	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Butylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Propylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Naphthalene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
p-Isopropyltoluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
sec-Butylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Styrene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Amyl Methyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butanol	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butyl Ethyl Ether	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butylbenzene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrachloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrahydrofuran	ND		50	20	1000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Toluene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B

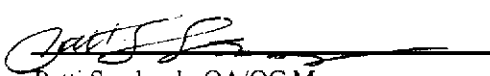
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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandroock, QA/QC Manager

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131 Tully Road

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Attn: Frank Hamedi

Date: 10/19/02

Date Received: 10/7/2002

Project Name: 15595 Washington Ave

Project Number: 12-99-702-SI

P.O. Number: 12-99-702-SI

Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-002

Client Sample ID: MW-2

Sample Time: 2:10 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,2-Dichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
trans-1,3-Dichloropropene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichloroethene	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichlorofluoromethane	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Vinyl Chloride	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B
Xylenes, Total	ND		50	5	250	µg/L	10/10/2002	WMS21744B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

97.2

73 - 151

Dibromofluoromethane

97.1

57 - 139

Toluene-d8

105.1

77 - 150

DF = Dilution Factor

ND = Not Detected

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Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-003

Client Sample ID: MW-3

Sample Time: 1:08 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,1-Trichloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2-Trichloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloropropene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichlorobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichloropropane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trichlorobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trimethylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichlorobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloropropane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3,5-Trimethylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichlorobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichloropropane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,4-Dichlorobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
2,2-Dichloropropane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Butanone (MEK)	ND		500	20	10000	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chlorotoluene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Hexanone	ND		500	20	10000	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Chlorotoluene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		500	20	10000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Acetone	ND		500	100	50000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Benzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromochloromethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromodichloromethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromoform	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B

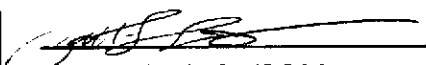
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Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-003

Client Sample ID: MW-3

Sample Time: 1:08 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Disulfide	ND		500	15	7500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Tetrachloride	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chlorobenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroform	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloromethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,2-Dichloroethene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,3-Dichloropropene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromochloromethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromomethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dichlorodifluoromethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Diisopropyl Ether	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Ethyl Benzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Freon 113	ND		500	10	5000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Hexachlorobutadiene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropanol	ND		500	40	20000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methyl-t-butyl Ether	55000		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methylene Chloride	7000		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Butylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Propylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Naphthalene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
p-Isopropyltoluene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
sec-Butylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Styrene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Amyl Methyl Ether	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butanol	ND		500	20	10000	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butyl Ethyl Ether	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butylbenzene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrachloroethene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrahydrofuran	ND		500	20	10000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Toluene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B

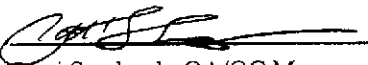
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Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-003

Client Sample ID: MW-3

Sample Time: 1:08 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,2-Dichloroethene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
trans-1,3-Dichloropropene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichloroethene	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichlorofluoromethane	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Vinyl Chloride	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
Xylenes, Total	ND		500	5	2500	µg/L	10/10/2002	WMS21744B	EPA 8260B
			Surrogate		Surrogate Recovery		Control Limits (%)		
			4-Bromofluorobenzene		95.9		73 - 151		
			Dibromofluoromethane		101.4		57 - 139		
			Toluene-d8		104.6		77 - 150		


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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

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

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-004

Client Sample ID: MW-4

Sample Time: 12:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/9/2002	WMS21744	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/9/2002	WMS21744	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/9/2002	WMS21744	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/9/2002	WMS21744	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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131 Tully Road
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Attn: Frank Hamedi

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-004

Client Sample ID: MW-4

Sample Time: 12:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	10/9/2002	WMS21744	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Freon 113	ND		1	10	10	µg/L	10/9/2002	WMS21744	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	10/9/2002	WMS21744	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Methyl-t-butyl Ether	53		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/9/2002	WMS21744	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/L	10/9/2002	WMS21744	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Enviro Soil Tech Consultants
131 Tully Road
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Attn: Frank Hamedi

Date: 10/19/02
Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-004

Client Sample ID: MW-4

Sample Time: 12:05 PM

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/9/2002	WMS21744	EPA 8260B
Surrogate		Surrogate Recovery			Control Limits (%)				
4-Bromofluorobenzene		96.6			73 - 151				
Dibromofluoromethane		102.4			57 - 139				
Toluene-d8		105.5			77 - 150				

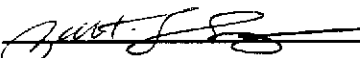
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Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-005

Client Sample ID: MW-5

Sample Time:

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,1-Trichloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1,2-Trichloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloroethene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,1-Dichloropropene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichlorobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,3-Trichloropropane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trichlorobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2,4-Trimethylbenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichlorobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,2-Dichloropropane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3,5-Trimethylbenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichlorobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,3-Dichloropropane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
1,4-Dichlorobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
2,2-Dichloropropane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Butanone (MEK)	ND		20	20	400	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Chlorotoluene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
2-Hexanone	ND		20	20	400	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Chlorotoluene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		20	20	400	µg/L	10/10/2002	WMS21744B	EPA 8260B
Acetone	ND		20	100	2000	µg/L	10/10/2002	WMS21744B	EPA 8260B
Benzene	110		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromochloromethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromodichloromethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Bromoform	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B

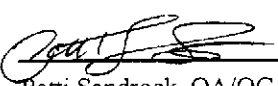
DF = Dilution Factor

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Date Received: 10/7/2002
Project Name: 15595 Washington Ave
Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-005

Client Sample ID: MW-5

Sample Time:

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Disulfide	ND		20	15	300	µg/L	10/10/2002	WMS21744B	EPA 8260B
Carbon Tetrachloride	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chlorobenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloroform	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Chloromethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,2-Dichloroethene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
cis-1,3-Dichloropropene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromochloromethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dibromomethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Dichlorodifluoromethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Diisopropyl Ether	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Ethyl Benzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Freon 113	ND		20	10	200	µg/L	10/10/2002	WMS21744B	EPA 8260B
Hexachlorobutadiene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropanol	ND		20	40	800	µg/L	10/10/2002	WMS21744B	EPA 8260B
Isopropylbenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methyl-t-butyl Ether	2500		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Methylene Chloride	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Butylbenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
n-Propylbenzene	230		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Naphthalene	120		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
p-Isopropyltoluene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
sec-Butylbenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Styrene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Amyl Methyl Ether	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butanol	ND		20	20	400	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butyl Ethyl Ether	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
tert-Butylbenzene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrachloroethene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Tetrahydrofuran	ND		20	20	400	µg/L	10/10/2002	WMS21744B	EPA 8260B
Toluene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

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PQL = Practical Quantitation Limit

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Project Number: 12-99-702-SI
P.O. Number: 12-99-702-SI
Sampled By: Richard Munley

Certified Analytical Report

Order ID: 31512

Lab Sample ID: 31512-005

Client Sample ID: MW-5

Sample Time:

Sample Date: 10/5/2002

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,2-Dichloroethene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
trans-1,3-Dichloropropene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichloroethene	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Trichlorofluoromethane	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Vinyl Chloride	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B
Xylenes, Total	ND		20	5	100	µg/L	10/10/2002	WMS21744B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	97.7	73 - 151
Dibromofluoromethane	98.1	57 - 139
Toluene-d8	104.4	77 - 150


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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

STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel
Y	PQL is reported below MDL but verified against a standard analyzed at the client requested reporting limit of 0.5 ppb
C	Reported results affected by contaminated reagent materials. See narrative for further explanation

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Quality Control Results Summary

QC Batch #: WMS21744
Matrix: Liquid

Units: µg/L
Date Analyzed: 10/9/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B (Low Level)											
1,1-Dichloroethene	EPA 8260B	ND		20		21.2692	LCS	106.3			57.3 - 132.4
Benzene	EPA 8260B	ND		20		22.1406	LCS	110.7			65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		20		23.4248	LCS	117.1			65.0 - 135.0
Methyl-t-butyl Ether	EPA 8260B	ND		20		18.881	LCS	94.4			56.0 - 135.0
Toluene	EPA 8260B	ND		20		23.3265	LCS	116.6			65.0 - 135.0
Trichloroethene	EPA 8260B	ND		20		22.9563	LCS	114.8			65.0 - 135.0
Surrogate			Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene			99.5			73 - 151					
Dibromofluoromethane			96.0			57 - 156					
Toluene-d8			105.3			77 - 150					
Test: EPA 8260B (Low Level)											
1,1-Dichloroethene	EPA 8260B	ND		20		22.5046	LCSD	112.5	5.64	25.00	57.3 - 132.4
Benzene	EPA 8260B	ND		20		23.301	LCSD	116.5	5.11	25.00	65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		20		24.5003	LCSD	122.5	4.49	25.00	65.0 - 135.0
Methyl-t-butyl Ether	EPA 8260B	ND		20		19.5684	LCSD	97.8	3.58	25.00	56.0 - 135.0
Toluene	EPA 8260B	ND		20		24.4243	LCSD	122.1	4.60	25.00	65.0 - 135.0
Trichloroethene	EPA 8260B	ND		20		24.1395	LCSD	120.7	5.02	25.00	65.0 - 135.0
Surrogate			Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene			99.2			73 - 151					
Dibromofluoromethane			97.7			57 - 156					
Toluene-d8			105.5			77 - 150					

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Quality Control Results Summary

QC Batch #: WGC62598B
Matrix: Liquid

Units: $\mu\text{g/L}$
Date Analyzed: 10/9/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		95.8	LCS	95.8			65.0 - 135.0
	Surrogate										
	4-Bromofluorobenzene			100.4		65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		106.8	LCSD	106.8	10.86	25.00	65.0 - 135.0
	Surrogate										
	4-Bromofluorobenzene			119.9		65 - 135					

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Quality Control Results Summary

QC Batch #: WGC62601
 Matrix: Liquid

Units: µg/L
 Date Analyzed: 10/9/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		106.4	LCS	106.4			65.0 - 135.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	4-Bromofluorobenzene			108.6		65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		90.2	LCSD	90.2	16.48	25.00	65.0 - 135.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	4-Bromofluorobenzene			90.7		65 - 135					

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Quality Control Results Summary

QC Batch #: WGC62606
Matrix: Liquid

Units: $\mu\text{g/L}$
Date Analyzed: 10/10/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		87.8	LCS	87.8			65.0 - 135.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	4-Bromofluorobenzene			92.5		65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		100		93.2	LCSD	93.2	5.97	25.00	65.0 - 135.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	4-Bromofluorobenzene			94.8		65 - 135					

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Quality Control Results Summary

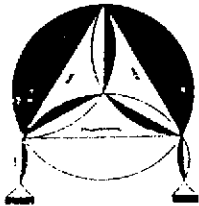
QC Batch #: WMS21744B
Matrix: Liquid

Units: µg/L
Date Analyzed: 10/10/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20		20.8064	LCS	104.0			57.3 - 132.4
Benzene	EPA 8260B	ND		20		22.0253	LCS	110.1			65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		20		23.503	LCS	117.5			65.0 - 135.0
Methyl-t-butyl Ether	EPA 8260B	ND		20		17.5052	LCS	87.5			56.0 - 135.0
Toluene	EPA 8260B	ND		20		23.2543	LCS	116.3			65.0 - 135.0
Trichloroethene	EPA 8260B	ND		20		22.7679	LCS	113.8			65.0 - 135.0
Surrogate			Surrogate Recovery			Control Limits (%)					
	4-Bromofluorobenzene			100.9		73 - 151					
	Dibromofluoromethane			94.6		57 - 156					
	Toluene-d8			104.4		77 - 150					
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20		22.222	LCSD	111.1	6.58	25.00	57.3 - 132.4
Benzene	EPA 8260B	ND		20		23.2742	LCSD	116.4	5.51	25.00	65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		20		24.494	LCSD	122.5	4.13	25.00	65.0 - 135.0
Methyl-t-butyl Ether	EPA 8260B	ND		20		19.4577	LCSD	97.3	10.56	25.00	56.0 - 135.0
Toluene	EPA 8260B	ND		20		24.3526	LCSD	121.8	4.61	25.00	65.0 - 135.0
Trichloroethene	EPA 8260B	ND		20		24.1471	LCSD	120.7	5.88	25.00	65.0 - 135.0
Surrogate			Surrogate Recovery			Control Limits (%)					
	4-Bromofluorobenzene			100.0		73 - 151					
	Dibromofluoromethane			98.4		57 - 156					
	Toluene-d8			104.1		77 - 150					

CHAIN OF CUSTODY RECORD

PROJ. NO. 12-99-702-SJ		NAME 15595 Washington Ave., Van Lorenzo				CONTAINER	ANALYSES REQUESTED (2) TPH EPA 8260B				REMARKS
SAMPLERS: (Signature) Richard Manly											
NO.	DATE	TIME	SOIL	WATER	LOCATION						
	10/05/02	15 ⁰⁵	✓		MW-1	6	✓	✓			31512-001
		14 ¹⁰	✓		MW-2	6	✓	✓			002
		13 ⁰⁸	✓		MW-3	6	✓	✓			003
		12 ⁰⁵	✓		MW-4	6	✓	✓			004
	10/16/02		✓		MW-5	6	✓	✓			per Diana 10/7/02 AD 005
Relinquished by: (Signature) Richard Manly		Date / Time 10/17 14 ³⁰		Received by: (Signature) D L Thom		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Nemedi			

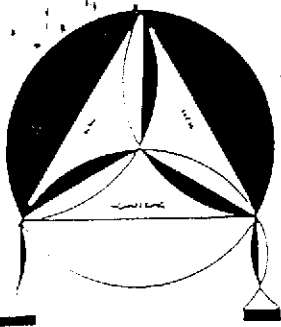


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Environmental & Geotechnical Consultants
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
 Tel: (408) 297-1500 Fax: (408) 292-2116

A P P E N D I X "F"

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FILE NO.: 12-99-702-SI

DATE: 10/05/02

DEPTH TO WELL: _____

DEPTH TO WATER: 9^{ft} .58

HEIGHT OF WATER COLUMN: _____

WELL NO.: MW-1

SAMPLER: Richard Mundy

1 WELL VOLUME: 0.88

5 WELL VOLUME: 4.4

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" x 0.1632 5.42

4" x 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

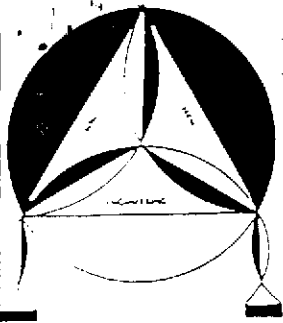
SAMPLE METHOD: ✓ BAILER _____ OTHER

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>3 GAL</u>	<u>776</u>	<u>24.8</u>	<u>782</u>
	<u>6 GAL</u>	<u>754</u>	<u>23.6</u>	<u>780</u>
	<u>9 GAL</u>	<u>726</u>	<u>23.4</u>	<u>798</u>



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Tel: (408) 297-1500

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FILE NO.: 12-99-702 SF

DATE: 10/05/02

DEPTH TO WELL: _____

DEPTH TO WATER: 8 ft . 54

HEIGHT OF WATER COLUMN: _____

WELL NO.: MW-2

SAMPLER: Richard W. Manley

1 WELL VOLUME: 1.05

5 WELL VOLUME: 5.25

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: 2" 4"

CALCULATIONS:

2" x 0.1632 6.46

4" x 0.653 _____

PURGE METHOD: BAILER DISPLACEMENT PUMP OTHER

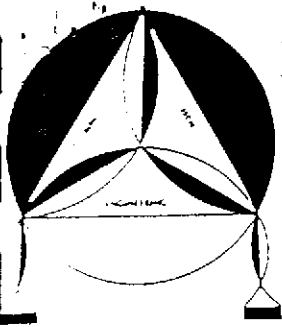
SAMPLE METHOD: BAILER OTHER

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>3 GAL</u>	<u>7.70</u>	<u>25.2</u>	<u>797</u>
	<u>6 GAL</u>	<u>7.42</u>	<u>24.4</u>	<u>783</u>
	<u>9 GAL</u>	<u>7.54</u>	<u>24.1</u>	<u>768</u>



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Tel: (408) 297-1500

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FILE NO.: 12-99-702-SL

DATE: 10/05/02

DEPTH TO WELL: _____

DEPTH TO WATER: 9^{ft} .38

HEIGHT OF WATER COLUMN: _____

WELL NO.: MW-3

SAMPLER: Drilled Manly

1 WELL VOLUME: 1.08

5 WELL VOLUME: 5.4

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: 2" _____

4" _____

CALCULATIONS:

2" x 0.1632 0.62

4" x 0.653 _____

PURGE METHOD: BAILER DISPLACEMENT PUMP OTHER

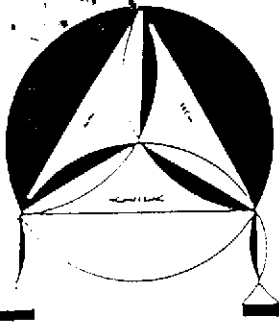
SAMPLE METHOD: BAILER OTHER

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>3 GAL</u>	<u>7.50</u>	<u>24.3</u>	<u>979</u>
_____	<u>6 GAL</u>	<u>7.32</u>	<u>23.1</u>	<u>1024</u>
_____	<u>9 GAL</u>	<u>7.36</u>	<u>22.9</u>	<u>998</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____



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FILE NO.: 12-99-700-SF

WELL NO.: MW-4

DATE: 10/05/02

SAMPLER: Rishal Manji

DEPTH TO WELL: _____

1 WELL VOLUME: 1.45

DEPTH TO WATER: 10^{Rt} 12

5 WELL VOLUME: 7.25

HEIGHT OF WATER COLUMN: _____

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" x 0.1632 8.88

4" x 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

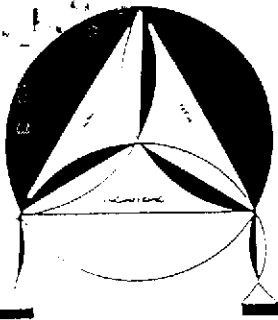
SAMPLE METHOD: ✓ BAILER _____ OTHER

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>3 GAL</u>	<u>7.59</u>	<u>23.4</u>	<u>929</u>
	<u>6 GAL</u>	<u>7.44</u>	<u>22.8</u>	<u>904</u>
	<u>9 GAL</u>	<u>7.47</u>	<u>23.3</u>	<u>937</u>



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FILE NO.: 12-99-702-SI

WELL NO.: MW-5

DATE: 10/05/02

SAMPLER: Richard Manly

DEPTH TO WELL: _____

1 WELL VOLUME: 1.35

DEPTH TO WATER: 10^{ft} 72

5 WELL VOLUME: 6.75

HEIGHT OF WATER COLUMN: _____

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" x 0.1632 8.28

4" x 0.653 _____

PURGE METHOD: _____ BAILER DISPLACEMENT PUMP _____ OTHER

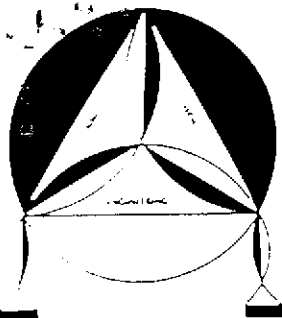
SAMPLE METHOD: BAILER _____ OTHER

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>3 GAL</u>	<u>7.22</u>	<u>22.1</u>	<u>1257</u>
	<u>6 GAL</u>	<u>6.97</u>	<u>21.2</u>	<u>1238</u>
	<u>9 GAL</u>	<u>6.92</u>	<u>21.0</u>	<u>1193</u>



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-99-702-ST

WELL NO.: MW-5

DATE: 10/05/02

SAMPLER: Richard Manly

DEPTH TO WELL: _____

1 WELL VOLUME: 1.35

DEPTH TO WATER: 10^A 72

5 WELL VOLUME: 6.75

HEIGHT OF WATER COLUMN: _____

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" x 0.1632 8.28

4" x 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>3 50L</u>	<u>7.02</u>	<u>22.1</u>	<u>1257</u>
	<u>6 50L</u>	<u>6.97</u>	<u>21.2</u>	<u>1238</u>
	<u>9 90L</u>	<u>6.92</u>	<u>21.0</u>	<u>1193</u>