

ED HEMMAT
3840 SAN PABLO AVENUE
EMERYVILLE, CA 94608

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Environmental Health

September 12, 2008

Mr. Daniel Olsen
ACHCSA
1131 Harbor Parkway, Suite 250
Oakland, California 94502-6577

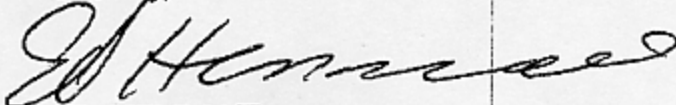
**SUBJECT: THIRD QUARTER OF 2008 GROUNDWATER
MONITORING AND SAMPLING REPORT**
5630 San Pablo Avenue, Oakland, CA

Dear Mr. Olsen:

Enclosed, please find a copy of the September 9, 2008 subject Third Quarter of 2008 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,


ED HEMMAT

**THIRD QUARTER OF 2008 GROUNDWATER
MONITORING & SAMPLING
FOR THE PROPERTY
LOCATED AT 5630 SAN PABLO AVENUE
OAKLAND, CALIFORNIA
SEPTEMBER 9, 2008**

**PREPARED FOR:
MR. ED HEMMAT
3840 SAN PABLO AVENUE
EMERYVILLE, CALIFORNIA 94608**

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

ENVIRO SOIL TECH CONSULTANTS

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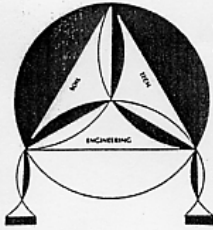
Groundwater Sampling	SOP1
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APPENDIX "E"

Field Notes Data

APPENDIX "F"

Accutest Northern California's Report and Chain-of-Custody



ENVIRO SOIL TECH CONSULTANTS

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

September 9, 2008

File No. 12-04-770-GI

Mr. Ed Hemmat
3840 San Pablo Avenue
Emeryville, California 94608

**SUBJECT: THIRD QUARTER OF 2008 GROUNDWATER
MONITORING & SAMPLING FOR THE PROPERTY**
Located at 5630 San Pablo Avenue, in
Oakland, California

Dear Mr. Hemmat:

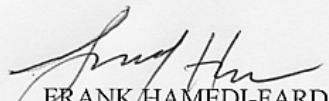
This report presents results from the third quarter 2008 groundwater monitoring and sampling event conducted by Enviro Soil Tech Consultants (ESTC) at the subject site (Figure 1). The depth to groundwater was measured in the five monitoring wells and water samples were collected for laboratory analysis on July 14, 2008.

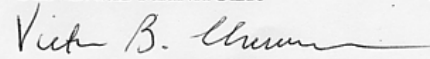
If you have any questions or require additional information, please feel free to contact our office at (408) 297-1500.

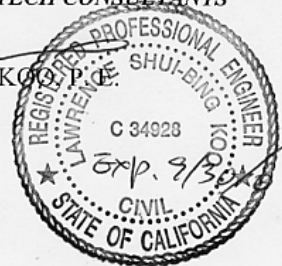
Sincerely,

ENVIRO SOIL TECH CONSULTANTS

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


FRANK HAMEDI-FARD
GENERAL MANAGER


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



SITE DESCRIPTION

The site is located on the southeast corner of San Pablo Avenue and Aileen Street in Oakland, California (Figure 1), and is currently being used as a storage site. The site contains one single story building. Underground gasoline storage tanks have not been removed from the site, and are located beneath the sidewalk along San Pablo Avenue. The subject property is located in an area of commercial development.

SCOPE OF PRESENT WORK

The scope of work included in the groundwater monitoring program includes:

- Measure water depths in wells STMW-1 to STMW-5 and note whether petroleum sheen and/or odor are present.
- Purge the monitoring wells of standing water.
- Collect water samples from each well.
- Submit samples to a state-certified laboratory for chemical analyses of Total Petroleum Hydrocarbons as gasoline and diesel (TPHg and TPHd); Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX); Methyl Tertiary Butyl Ether (MTBE) and other fuel oxygenates.
- Review results and prepare a report of the investigation.

FIELD ACTIVITIES

ESTC's staff monitored the five monitoring wells and collected water samples on July 14. Depth measurements and other observations were recorded on the field monitoring sheet. After the depth to groundwater was measured, 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 stored on site in a plastic storage tank. The monitoring data are shown in Tables 1 and 2.

Water samples were collected after purging. A disposal bailer was used for sample collection. Water sampling equipment was decontaminated before and after each well was sampled using Tri-sodium Phosphate (TSP) and water wash, followed by double rinsing. The samples were preserved in 40-milliliter glass vials sealed with Teflon-lined screw caps, labeled and placed in a cold ice chest and then transported to Accutest of Northern California, 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 has dropped by about 18 inches since the site was last monitored in April, and now ranges between 8 and 9.5 feet below grade in most wells. This change has had some effect on the groundwater flow direction. Previously, it was clear that groundwater flowed to the south, except perhaps in the vicinity of San Pablo Avenue, where a more easterly flow direction prevailed. This quarter, the flow direction appears to be more to the southeast, with a possible trough in the water table between STMW-1 and STMW-3 (Figure 2).

ANALYTICAL RESULTS

The laboratory results are summarized in Table 2 (Appendix "A"), and the laboratory report is contained in Appendix "F". Data for all previous monitoring events are shown in Table 1.

The TPHg and TPHd concentrations remained below the detection limit in STMW-1, STMW-2, and STMW-3. These concentrations dropped by 150 to 200 parts per billion in STMW-4. In STMW-5, the TPHg concentration remained at 140 parts per billion, while the TPHd concentration is still below the detection limit. The TPHg concentration is contoured in Figure 3. The shape and location of the contaminant plume is essentially the same as in the previous few quarters.

The concentration of volatile aromatic compounds was below the detection limits in all wells this quarter. The gasoline oxygenated Methyl Tertiary Butyl Ether (MTBE) was detected only in STMW-1 and STMW-3 at slightly above the detection limit. Figures 4 and 5 are maps of Benzene and MTBE concentrations.

RECOMMENDATIONS

In our report for the first quarter of 2008, we concluded that “Overall concentrations are low, and do not pose a serious risk to the environment or the public.” We therefore recommended reducing the monitoring frequency to semi-annual for the remainder of 2008. To date, we have not received a response to this recommendation, and have continued with the quarterly monitoring program. The results for the second and third quarters substantiate our previous conclusions that the hydraulic gradient, groundwater flow direction, and hydrocarbon plume are stable. We therefore reiterate our recommendation to reduce the monitoring frequency. Unless the ACHCSA-EHS notifies us or the RP in writing to the contrary, we will implement that recommendation and will schedule the next monitoring event for the first quarter of 2009.

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.

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. 12-04-770-GI
September 9, 2008

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 to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By 82060B
5/19/05a	STMW-1 (41.92)*	20	5-20	6.68K	35.24	No sheen or odor	220	ND <50b	11	18	3.1	20	ND <1	NA	NA	NA	Not Analyzed
4/06/06				4.16*	37.76	No sheen or odor	ND <50	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
2/05/07				8.38K	33.54	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	5.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
10/15/07				6.44K	35.48	No sheen or odor	ND <50	ND <52	ND <0.5	ND <0.5	ND <0.5	ND <0.5	4.1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
1/18/08				5.50K	34.42	No sheen or odor	ND <50	ND <50	ND <0.5	0.64	ND <0.5	ND <0.5	2.7	ND <0.5	ND <10	ND <0.5	None Detected<0.5
4/11/08				6.90K	35.02	No sheen or odor	ND <50	ND <52	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/14/08				8.46 K	33.46	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <1	1.3	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/19/05a	STMW-2 (41.74)*	20	5.20	7.32K	34.42	No sheen or odor	170	ND <50b	11	18	3.5	21	ND <1	NA	NA	NA	Not Analyzed
4/06/06				4.36*	37.38	Rainbow sheen No odor	ND <50	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
2/05/07				8.06K	33.68	No sheen or odor	ND <50	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
10/15/07				7.23K	34.51	No sheen or odor	ND <50	ND <58	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
1/18/08				6.32K	35.42	No sheen or odor	ND <50	ND <50	ND <0.5	1	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
4/11/08				7.82K	33.92	Rainbow sheen No odor	ND <50	ND <50j	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
7/14/08				8.84 K	32.90	No sheen or odor	ND <50	ND <51	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/19/05a	STMW-3 (42.01)*	20	5-20	8.26K	33.75	No sheen or odor	470	ND <50b	13	18	4.9	22	ND <1	NA	NA	NA	Not Analyzed
4/06/06				6.02K	35.99	Rainbow sheen No odor	2200	ND <50c	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07				9.32K	32.69	No sheen or odor	ND <50	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 to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By 82060B
10/15/07	STMW-3 (42.01)*	20	5-20	8.20K	33.81	No sheen or odor	ND <50	ND <55	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
1/18/08h				7.70K	34.31	Rainbow sheen No odor	820f	390g	ND <2.5	ND <2.5	ND <2.5	ND <2.5	ND <5	ND <2.5	ND <50	ND <2.5	Isopropylbenzene 8.6
4/11/08				8.74K	33.27	Rainbow sheen No odor	ND <50	ND <48	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/14/08				9.36 K	32.65	Rainbow sheen No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <1	1.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/19/05a	STMW-4 (42.48)*	20	5-20	8.10K	34.38	Rainbow sheen Light petroleum odor	2700	ND <500b	3.2	ND <1	1.6	5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 36 n-Propylbenzene 30
4/06/06				6.32K	36.16	Rainbow sheen Petroleum odor	1800	ND <50c	1.5	1.4	1.1	3.5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 41 n-Propylbenzene 23
2/05/07				9.24K	33.24	Rainbow sheen Petroleum odor	2500	ND <50d	5	ND <1	1.5	3.5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 45 n-Propylbenzene 28
10/15/07				8.06K	34.42	No sheen or odor	510	ND <50e	1.5	0.53	0.54	1.3	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 19 n-Propylbenzene 9.5
1/18/08				7.64K	34.84	No sheen or odor	150f	57i	1.3	0.56	ND <0.5	0.58	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 2.6
4/11/08				8.78K	33.70	Rainbow sheen No odor	1200f	650k	ND <0.5	ND <0.5	ND <0.5	1.3	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 22 n-Propylbenzene 8.4
7/14/08				7.90 K	34.58	Rainbow sheen No odor	1000f	490l	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 32 n-Propylbenzene 12 sec-Butylbenzene 6.9
5/19/05a	STMW-5 (40.84)*	20	5-20	6.58K	34.26	Light rainbow sheen No odor	1500	ND <50b	16	ND <0.5	0.52	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 13
4/06/06				4.74*	36.10	Rainbow sheen No odor	640	ND <50c	15	ND <0.5	0.91	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 7.1
2/05/07				7.96K	32.88	No sheen or odor	600	ND <50d	4.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 8.4
10/15/07				6.72K	34.12	No sheen or odor	270	ND <50e	0.83	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
1/18/08h				5.52K	35.32	Rainbow sheen Petroleum odor	1400f	3300g	2.8	3.2	ND <2.5	4	ND <5	ND <2.5	ND <50	ND <2.5	Isopropylbenzene 44 n-Propylbenzene 27

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

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By 82060B
4/11/08	STMW-5 (40.84)*	20	5-20	7.06κ	33.78	No sheen or odor	140f	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/29/08				8.29κ	32.55	No sheen or odor	140	ND <48	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5

TPHg - Total Petroleum Hydrocarbons as gasoline

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes

PCE - Tetrachloroethene

TCE - Trichloroethene

GW Elev. - Groundwater Elevation

NA - Not Analyzed

* Groundwater was surveyed based on California Coordinate System 1983, Zone 3. The benchmarks are NGVD 1929 Datum

★ Well screens are submerged

a Water samples for TPHg, BTEX and MTBE analyses were collected on May 23, 2005

b Higher boiling gasoline compounds in the diesel range

c Hydrocarbon (C8-C36) (C8-C18). No diesel pattern present

d Hydrocarbon (C9-C16). No diesel pattern present

e Higher boiling gasoline compounds (C9-C16). No diesel pattern

f A typical pattern

g Not a typical pattern (C9-C16)

h Sample was diluted due to high concentration of non-target compounds

i Not a typical pattern. Higher boiling gasoline compounds in the diesel range (C9-C16)

j Reporting limits rose due to insufficient sample volume (high level of sediment)

k Not a typical pattern. Pattern resembles Mineral Spirits (C10-C16)

l Not a typical pattern. Higher boiling gasoline compounds in the diesel range (C10-C16)

TPHd - Total Petroleum Hydrocarbons as diesel

MTBE - Methyl Tertiary Butyl Ether

TBA - tert-Butanol

VOCs - Volatile Organic Compounds

Perf. - Perforation

ND - Not Detected (Below Laboratory Reporting Limit)

κ Well screens are not submerged

TABLE 2
RECENT GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By 82060B
7/29/08	STMW-1 (41.92)*	20	5-20	8.46κ	33.46	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <1	1.3	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/29/08	STMW-2 (41.74)*	20	5.20	8.84κ	32.90	No sheen or odor	ND <50	ND <51	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/29/08	STMW-3 (42.01)*	20	5-20	9.36κ	32.65	Rainbow sheen No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <1	1.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
7/29/08	STMW-4 (42.48)*	20	5-20	7.90κ	34.58	Rainbow sheen Petroleum odor	1000f	490l	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 32 n-Propylbenzene 12 sec-Butylbenzene 6.9
7/29/08	STMW-5 (40.84)*	20	5-20	8.29κ	32.55	No sheen or odor	140	ND <48	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5

TPHg - Total Petroleum Hydrocarbons as gasoline

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes

PCE - Tetrachloroethene

TCE - Trichloroethene

GW Elev. - Groundwater Elevation

ND - Not Detected (Below Laboratory Reporting Limit)

* Groundwater was surveyed based on California Coordinate System 1983, Zone 3. The benchmarks are NGVD 1929 Datum

★ Well screens are submerged

f A typical pattern

j Reporting limits rose due to insufficient sample volume (high level of sediment)

l Not a typical pattern. Higher boiling gasoline compounds in the diesel range (C10-C16)

TPHd - Total Petroleum Hydrocarbons as diesel

MTBE - Methyl Tertiary Butyl Ether

TBA - tert-Butanol

VOCs - Volatile Organic Compounds

Perf. - Perforation

κ Well screens are not submerged

TABLE 3
SUMMARY OF MONITORING WELLS DATA
IN FEET

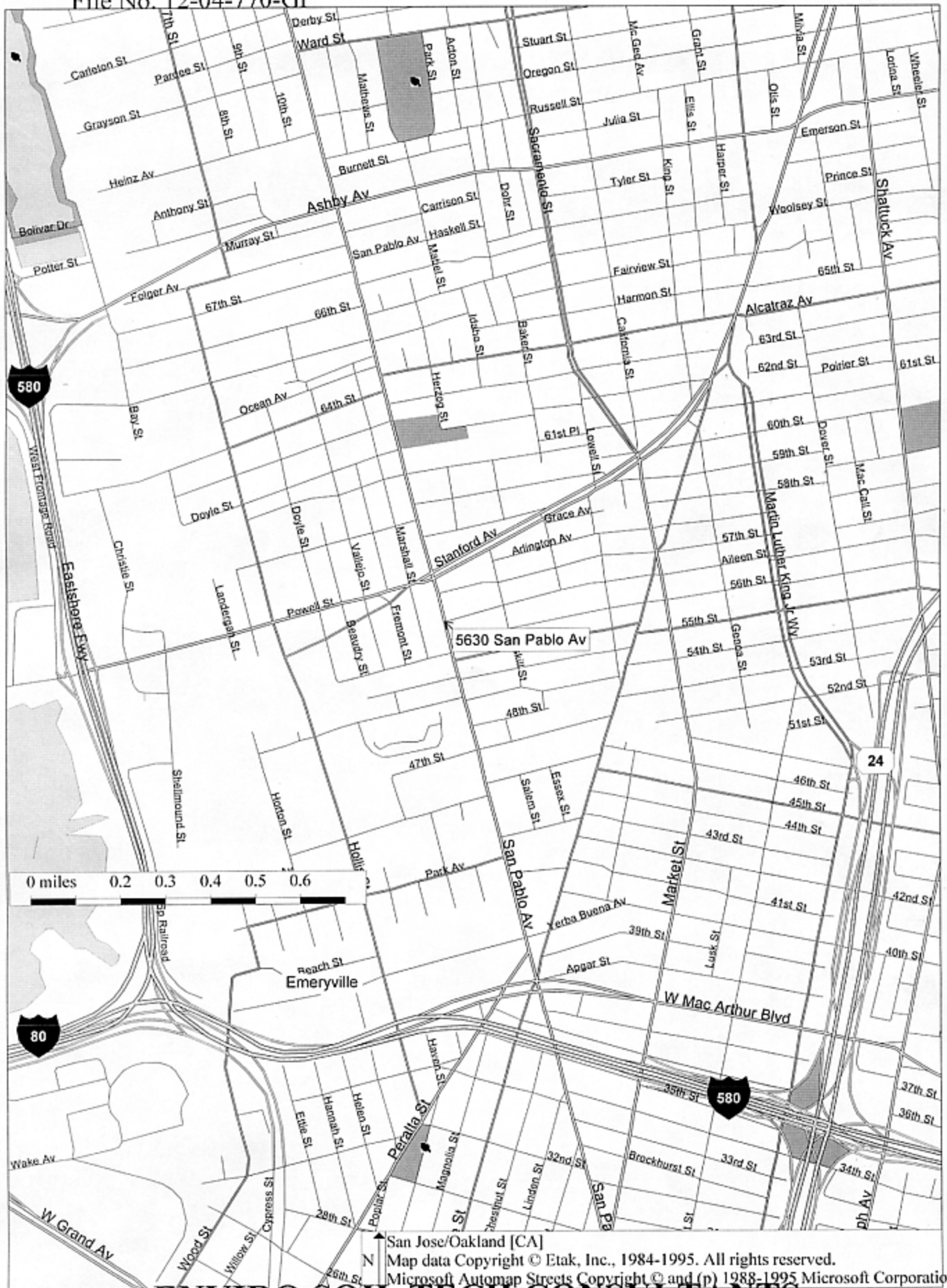
Well No.	Well Diameter (inch)	Depth of Well	Depth of Perforation	Depth of Blank	Depth of Cement	Depth of Bentonite	Depth of Sand
STMW-1	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-2	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-3	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-4	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-5	2	20	5-20	0-5	0-3½	3½-4	4-20

File No. 12-04-770-GI
September 9, 2008

A P P E N D I X "B"

FIGURES

ENVIRO SOIL TECH CONSULTANTS

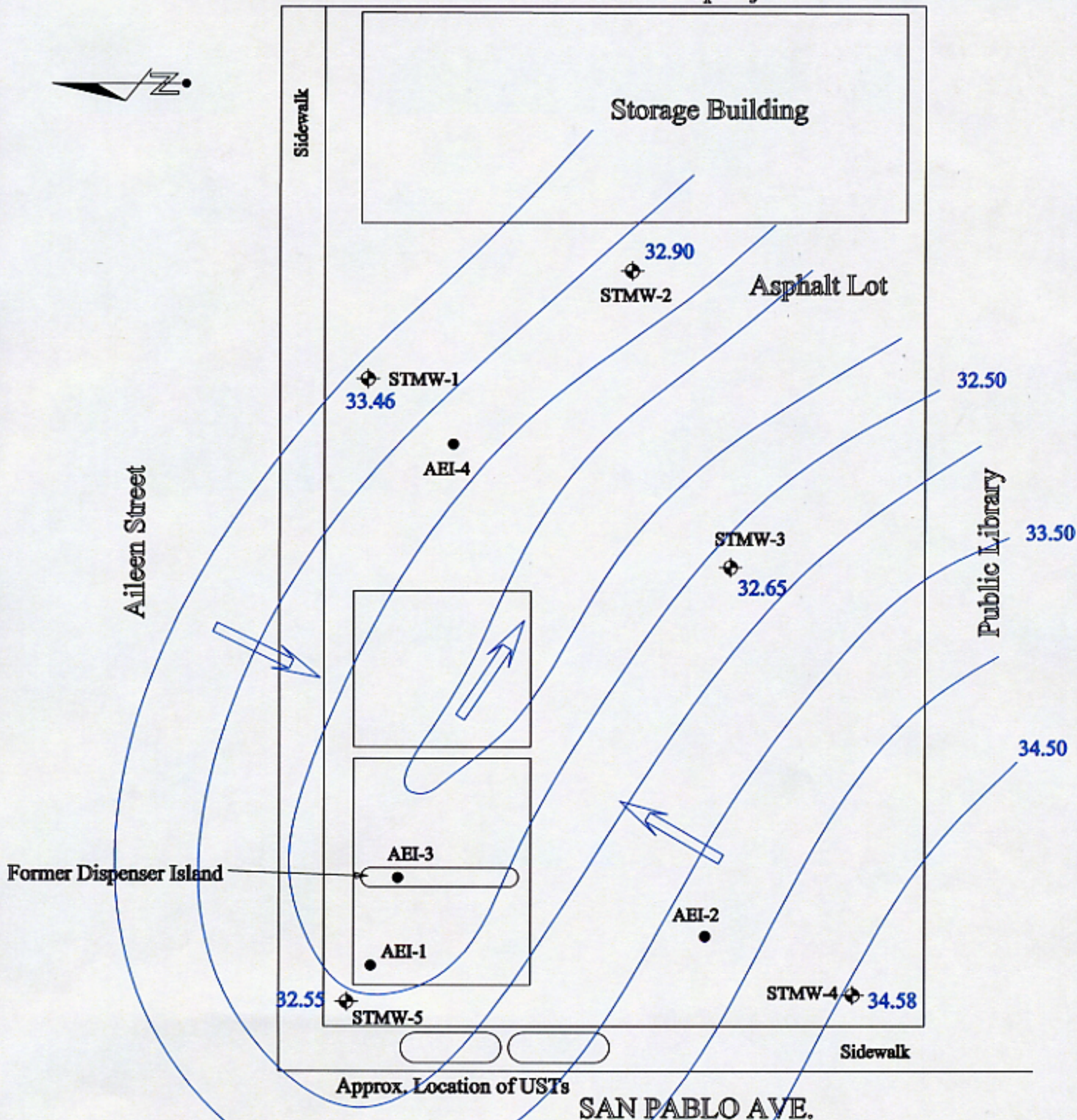


San Jose/Oakland [CA]
Map data Copyright © Etak, Inc., 1984-1995. All rights reserved.
Microsoft Automap Streets Copyright © and (p) 1988-1995 Microsoft Corporation

ENVIRO SOIL TECH CONSULTANTS

Figure 1

Residential Property

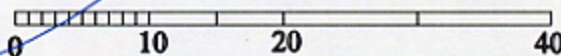


Legend

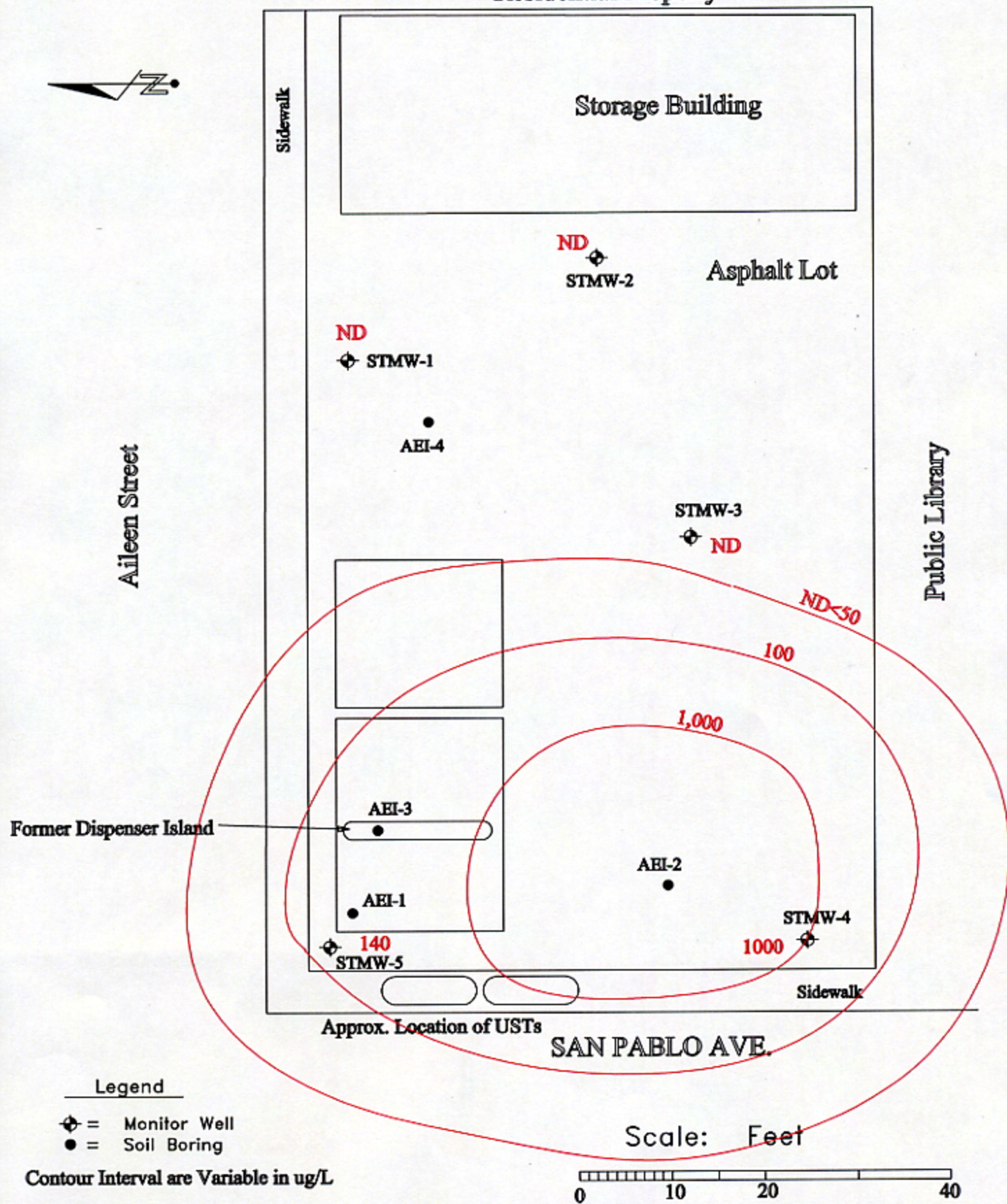
- ◆ = Monitor Well
- = Soil Boring

Contour Interval = 0.50 feet

Scale: Feet



Residential Property



Enviro Soil Tech
Consultants

131 Tully Road
San Jose, CA 95112

PROJECT

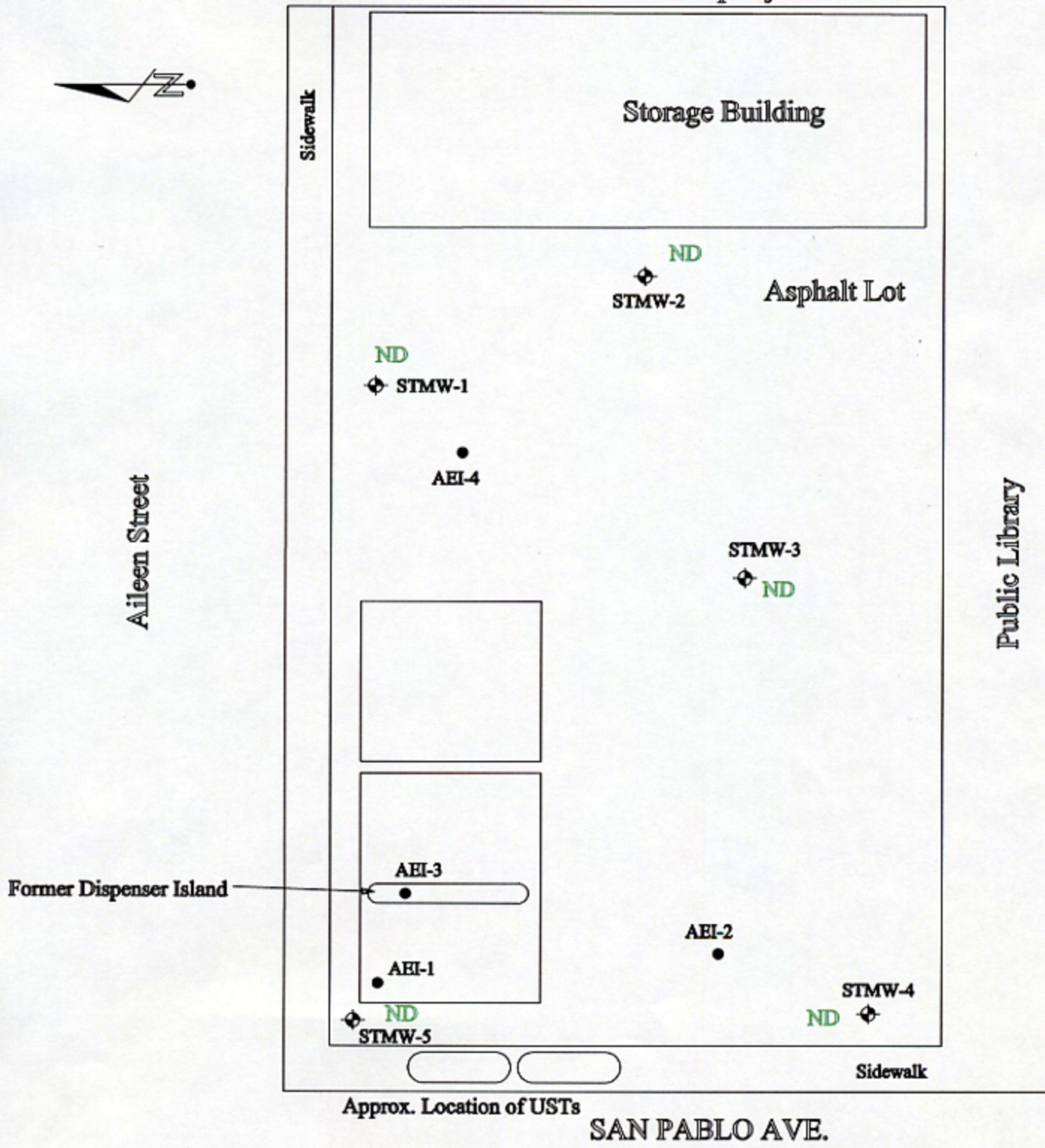
5630 San Pablo Avenue
Oakland, California

PROJECT # 12-04-770-GI
DATE: 9/2/2008

Figure 4

Isocontours of Benzene in
Groundwater, 7/29/2008

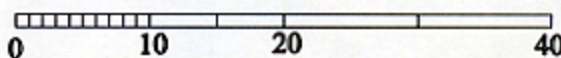
Residential Property



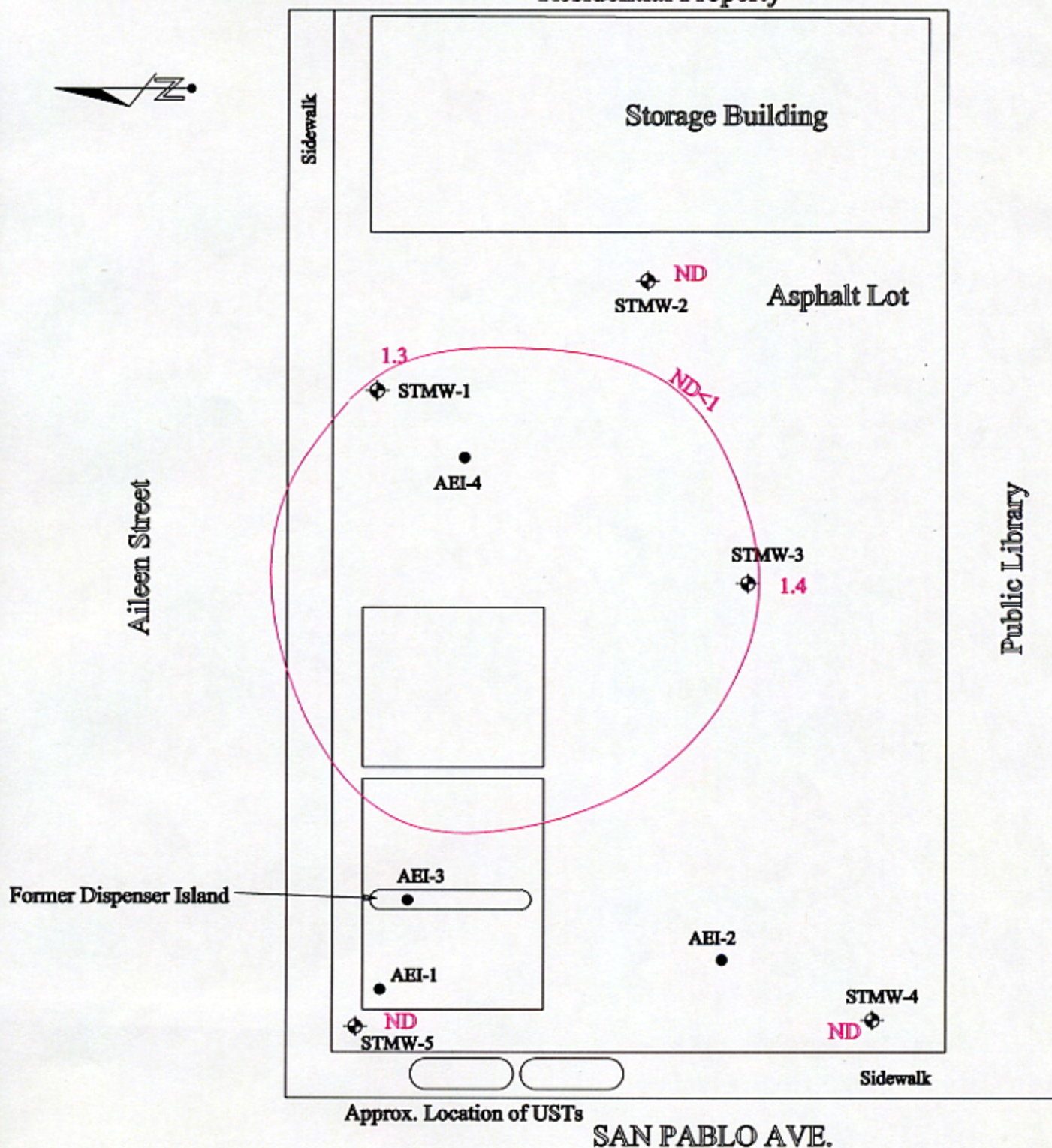
Legend

- ◆ = Monitor Well
- = Soil Boring

Scale: Feet



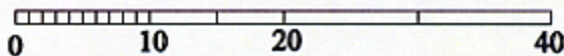
Residential Property



Legend

- ◆ = Monitor Well
- = Soil Boring

Scale: Feet



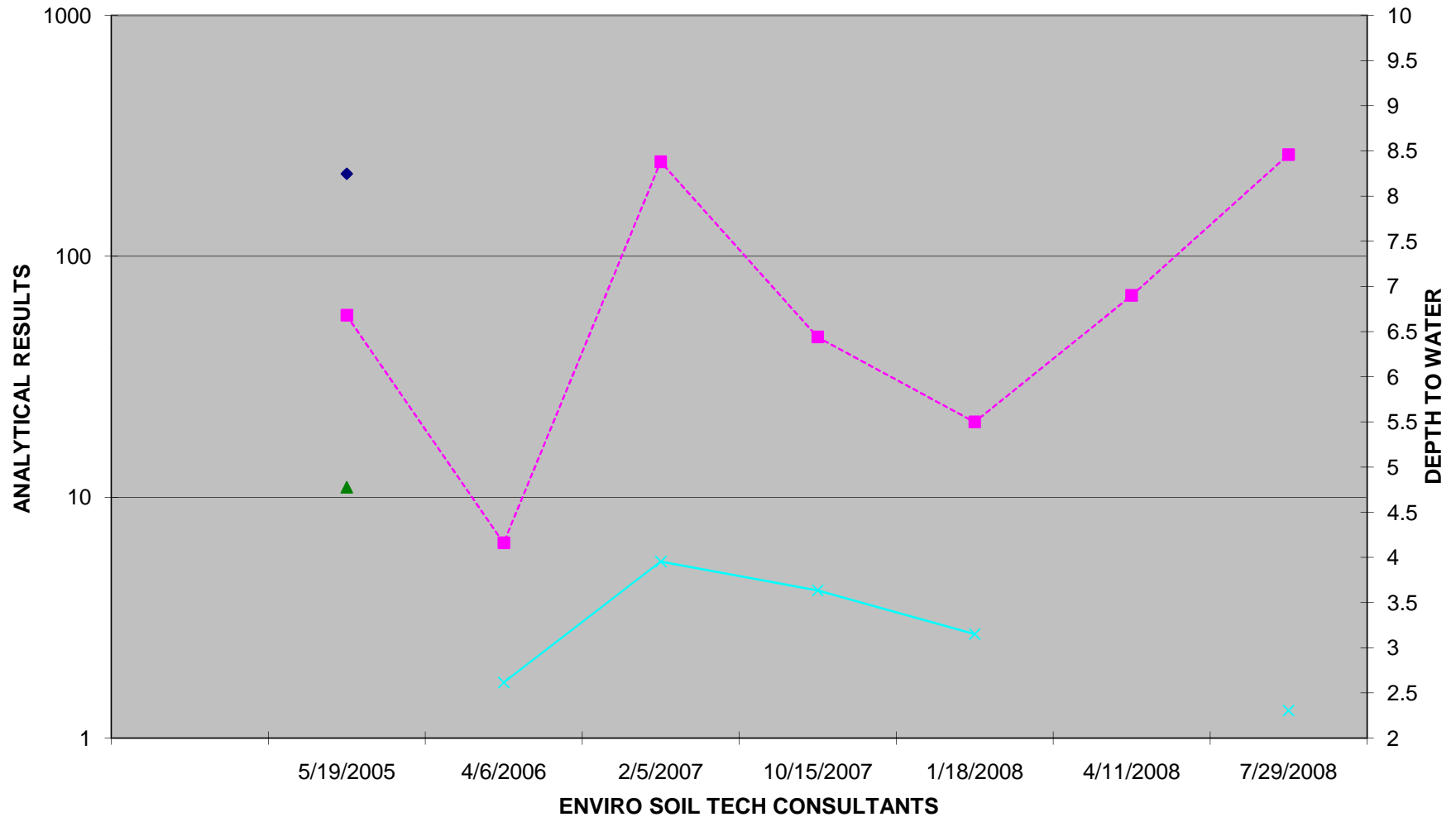
File No. 12-04-770-GI
September 9, 2008

A P P E N D I X "C"

HYDROGRAPHS

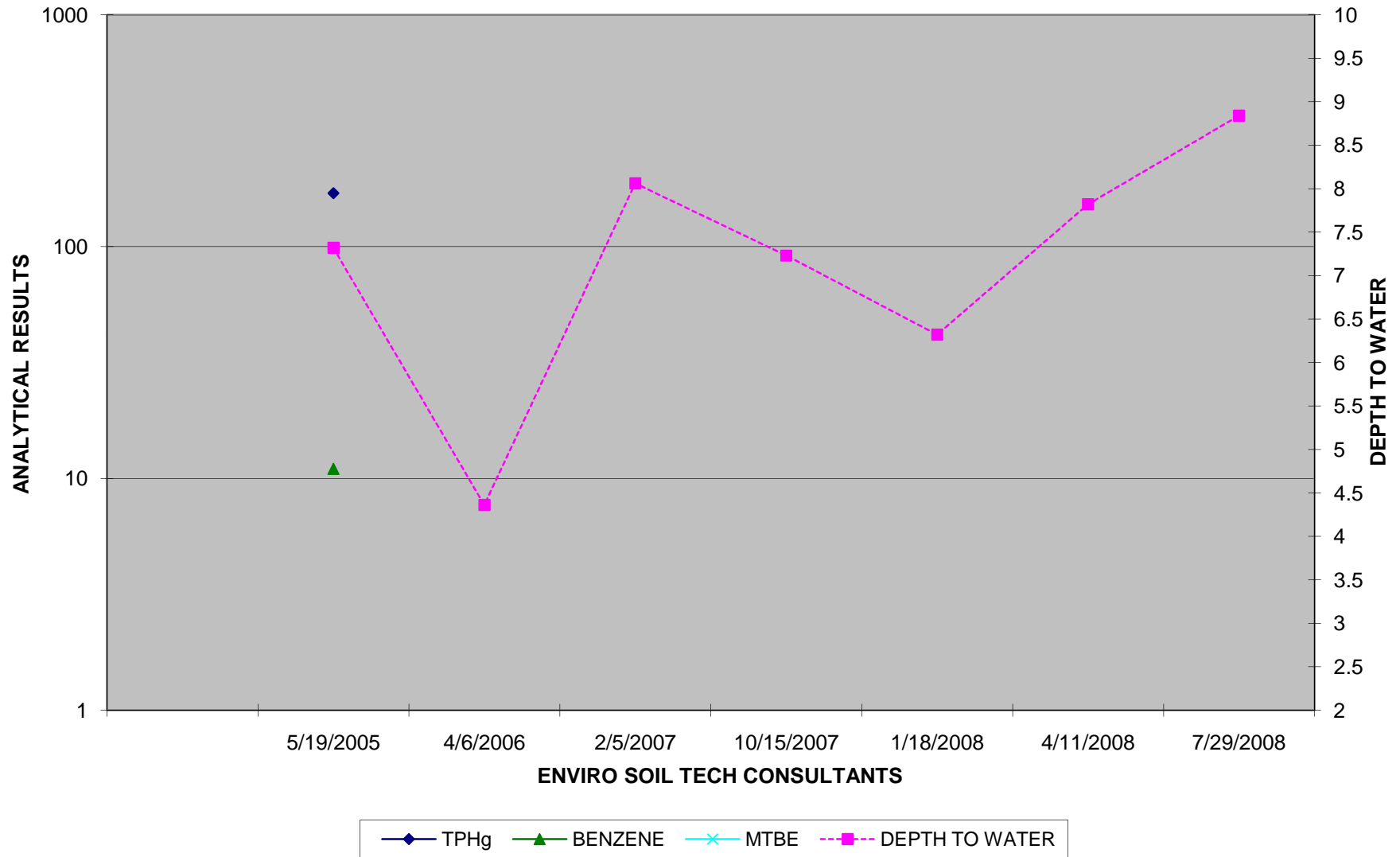
ENVIRO SOIL TECH CONSULTANTS

File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-1 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)

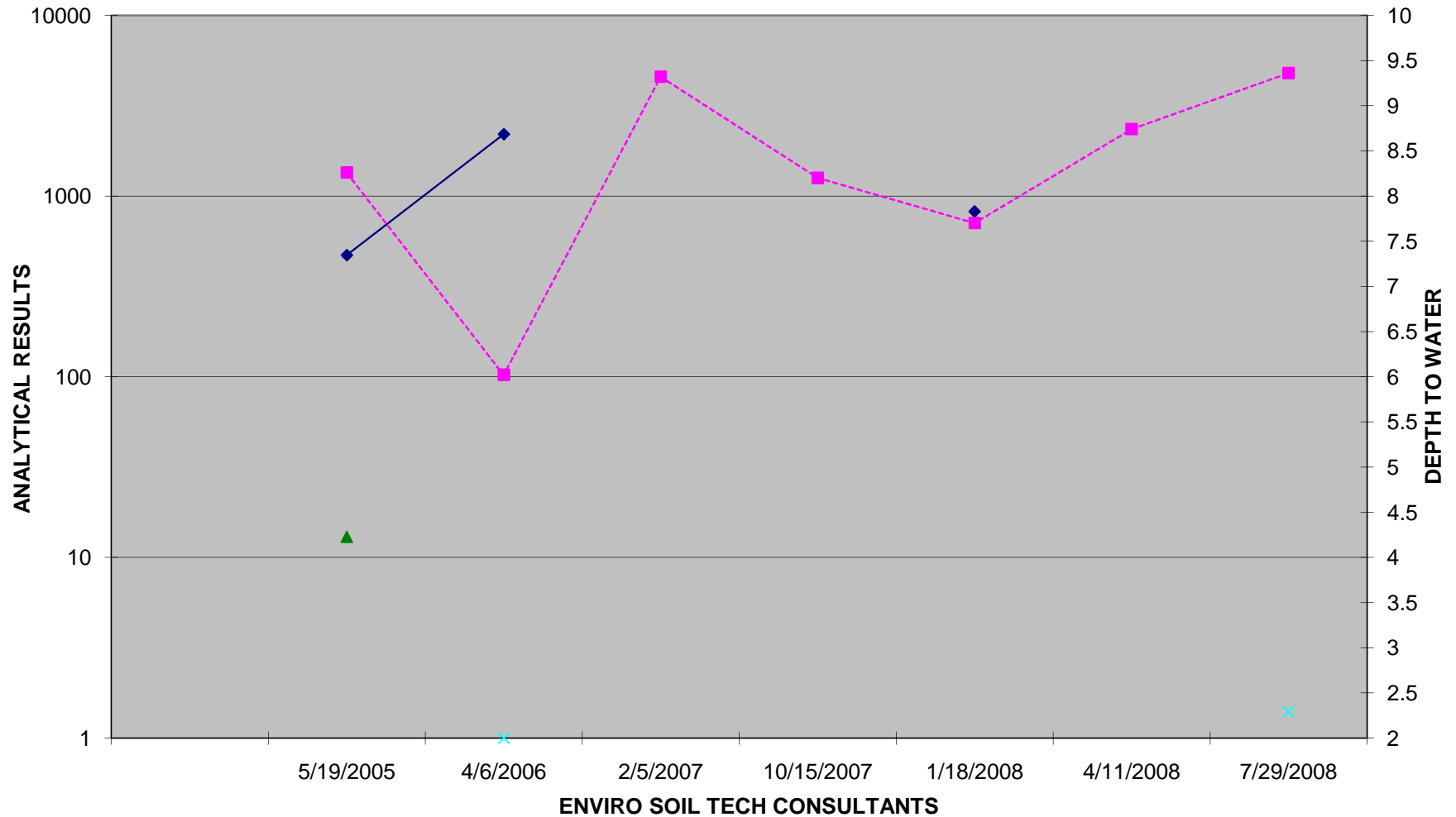


—◆— TPHg —▲— BENZENE —×— MTBE - - -■- - - DEPTH TO WATER

File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-2 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)

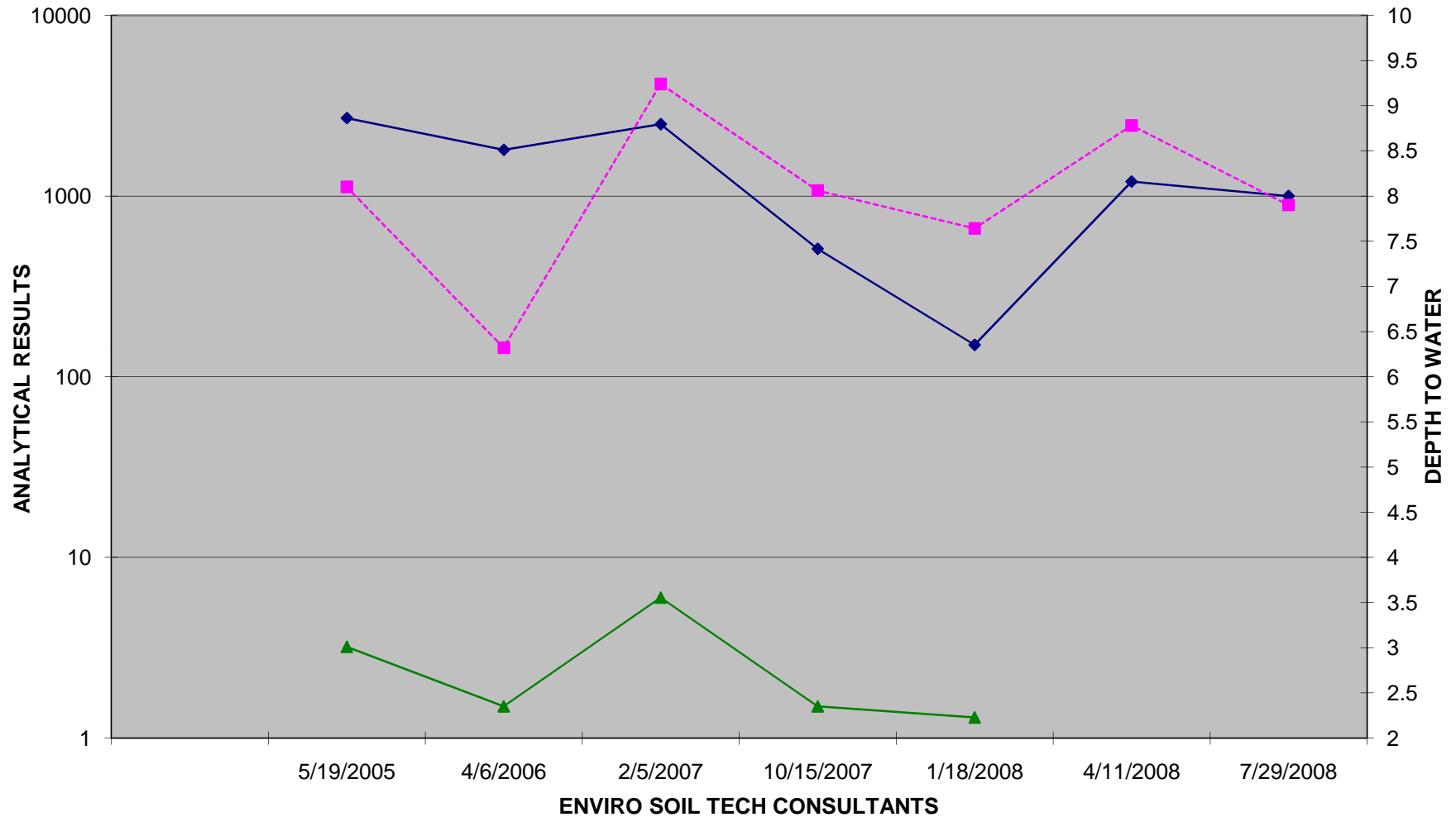


File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-3 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)



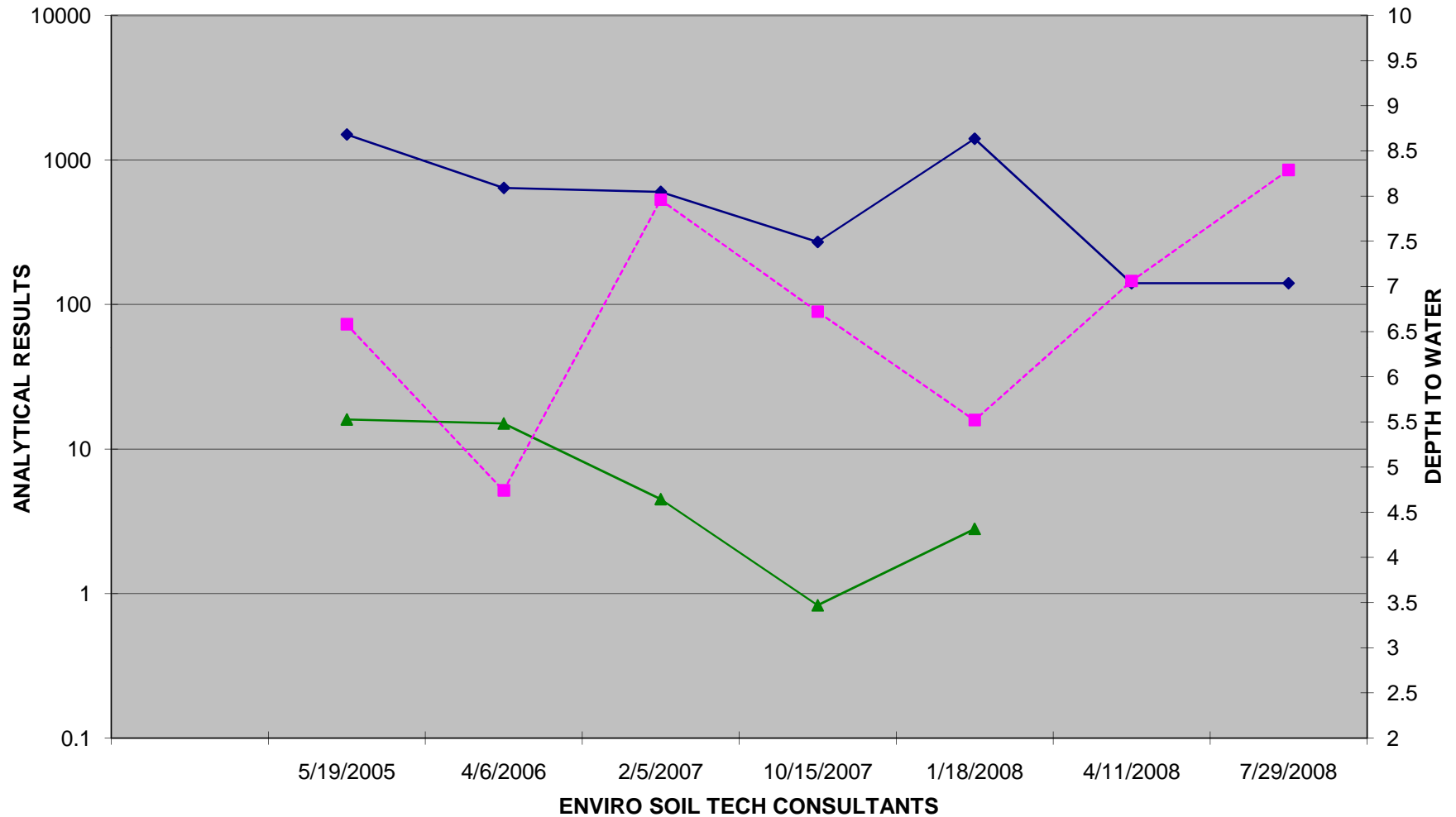
—◆— TPHg —▲— BENZENE —×— MTBE - - -■- - - DEPTH TO WATER

File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-4 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)



◆ TPHg
 ▲ BENZENE
 × MTBE
 ■ DEPTH TO WATER

File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-5 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)



—◆— TPHg —▲— BENZENE —×— MTBE - - -■- - - DEPTH TO WATER

File No. 12-04-770-GI
September 9, 2008

A P P E N D I X "D"

STANDARD OPERATION PROCEDURE

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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.

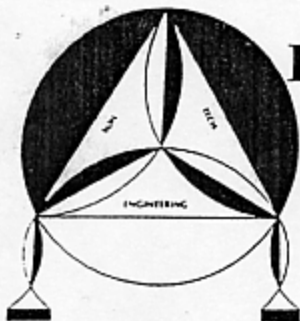
Forty milliliter (ml.), glass volatile organic analysis (VOA) vials and one liter amber glass bottles with Teflon septa were used as sample containers. The groundwater sample was decanted into each glass bottle and VOA vial in such a manner that there was a meniscus at the top. The cap was quickly placed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

File No. 12-04-770-GI
September 9, 2008

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.: 12-04-770-GI

DATE: 7-29-08

DEPTH TO WELL: 20

DEPTH TO WATER: 8^{ft} .46

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMU-1

SAMPLER: Robert Munday

1 WELL VOLUME: 1.9584

5 WELL VOLUME: 9.792

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: 2" _____

4" _____

CALCULATIONS:

$$2'' - \times 0.1632 \times 12 = 1.9584 \times 5 = 9.792$$

$$4'' - 0.653$$

PURGE METHOD: BAILER DISPLACEMENT PUMP OTHER

SAMPLE METHOD: BAILER OTHER

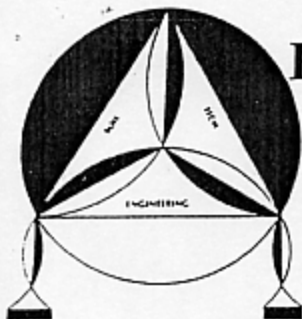
SHEEN: NO YES, DESCRIBE: _____

ODOR: NO YES, DESCRIBE: _____

FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>2 gmc</u>	<u>5.12</u>	<u>19.6</u>	<u>429</u>
_____	<u>4 gmc</u>	<u>4.75</u>	<u>18.9</u>	<u>417</u>
_____	<u>6 gmc</u>	<u>4.72</u>	<u>18.8</u>	<u>416</u>
_____	<u>8 gmc</u>	<u>4.91</u>	<u>18.9</u>	<u>487</u>
_____	<u>10 gmc</u>	<u>4.98</u>	<u>18.5</u>	<u>386</u>

9^{ft} .84



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GI

DATE: 7-29-08

DEPTH TO WELL: 20

DEPTH TO WATER: 8 FT 84

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-2

SAMPLER: Rotary pump

1 WELL VOLUME: 1.4688

5 WELL VOLUME: 7.344

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: 2" _____ 4"

CALCULATIONS:

$$2'' - \times 0.1632 \times 9 = 1.4688 \times 5 = 7.344$$

4'' - 0.653 _____

PURGE METHOD: BAILER _____ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: BAILER _____ OTHER

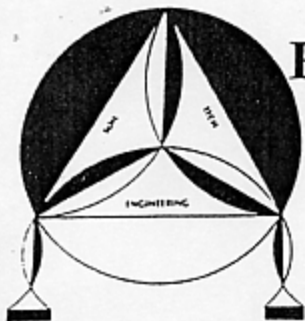
SHEEN: NO _____ YES, DESCRIBE: _____

ODOR: NO _____ YES, DESCRIBE: _____

FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	2 GAL	4.31	19.8	357
_____	4 GAL	3.86	19.1	348
_____	6 GAL	4.03	18.7	350
_____	8 GAL	4.20	18.5	352
_____	10 GAL	4.33	18.3	349

9 FT 42



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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GT

DATE: 7-29-08

DEPTH TO WELL: 20

DEPTH TO WATER: 9^{ft} .36

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-3

SAMPLER: Hand manually

1 WELL VOLUME: 1.7952

5 WELL VOLUME: 8.976

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2" _____ 4"

_____ 4"

CALCULATIONS:

$$2'' - x 0.1632 \times 11 = 1.7952 \times 5 = 8.976$$

4'' - 0.653 _____

PURGE METHOD: ✓ BAILER _____ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

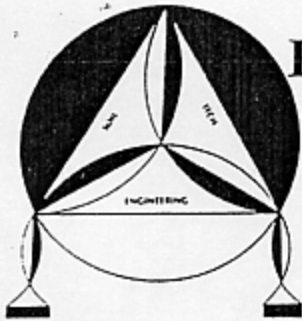
SHEEN: _____ NO ✓ YES, DESCRIBE: RAIN BOW

ODOR: ✓ NO _____ YES, DESCRIBE: _____

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
_____	2 GAL	4.61	19.1	456
_____	4 GAL	3.54	18.5	492
_____	6 GAL	3.95	18.2	465
_____	8 GAL	4.34	18.7	424
_____	10 GAL	4.27	18.5	435

10^{ft} .44



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Fax: (408) 292-2116

FILE NO.: 12-04-770-GT

DATE: 7-29-08

DEPTH TO WELL: 20

DEPTH TO WATER: 7^{ft} .90

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-4

SAMPLER: Richard Mendenly

1 WELL VOLUME: 1.3056

5 WELL VOLUME: 6.528

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 5 = 1.3056 x 5 = 6.528

4" - 0.653 _____

PURGE METHOD: ✓ BAILER _____ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

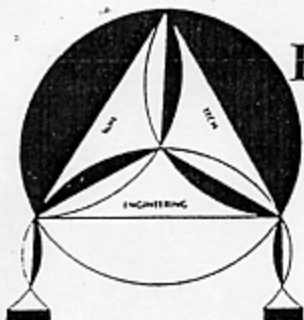
SHEEN: _____ NO ✓ YES, DESCRIBE: RAINBOW

ODOR: _____ NO ✓ YES, DESCRIBE: PETRO

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	<u>2 gals</u>	<u>4.46</u>	<u>18.8</u>	<u>631</u>
	<u>4 gals</u>	<u>4.64</u>	<u>18.4</u>	<u>615</u>
	<u>6 gals</u>	<u>4.67</u>	<u>18.2</u>	<u>601</u>
	<u>8 gals</u>	<u>4.97</u>	<u>18.4</u>	<u>577</u>
	<u>10 gals</u>	<u>4.86</u>	<u>17.9</u>	<u>602</u>

8^{ft} .42



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Tel: (408) 297-1500

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FILE NO.: 12-04-770-GT

DATE: 7-29-08

DEPTH TO WELL: 20

DEPTH TO WATER: 8 FT .29

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-5

SAMPLER: Richard Morley

1 WELL VOLUME: 19.584

5 WELL VOLUME: 9.792

ACTUAL PURGED VOLUME: 10

CASING DIAMETER: ✓ 2"

_____ 4"

CALCULATIONS:

$$2'' - \times 0.1632 \times 12 = 1.9584 \times 5 = 9.792$$

$$4'' - 0.653$$

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 gpc</u>	<u>4.26</u>	<u>20.0</u>	<u>397</u>
_____	<u>4 gpc</u>	<u>3.64</u>	<u>19.4</u>	<u>406</u>
_____	<u>6 gpc</u>	<u>5.76</u>	<u>19.0</u>	<u>421</u>
_____	<u>8 gpc</u>	<u>4.58</u>	<u>18.9</u>	<u>430</u>
_____	<u>10 gpc</u>	<u>4.64</u>	<u>18.6</u>	<u>420</u>

9 FT .44

File No. 12-04-770-GI
September 9, 2008

A P P E N D I X "F"

LABORATORY REPORT

ENVIRO SOIL TECH CONSULTANTS

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

Lab Order Number: C1779
Issued: 08/13/2008

Project Number: 12-04-770GI
Project Location: 5630 San Pablo Ave., Oakland

Global ID: T06019784055

Certificate of Analysis - Final Report

On July 30, 2008, samples were received under chain of custody for analysis. Accutest-Northern California analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	Electronic Deliverables for Geotracker VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater TPH-Purgeable - GC : EPA 5030B / EPA 8015B TPH-Extractable: EPA 3510C / EPA 8015B(M)

Accutest-Northern California is certified for environmental analyses by the State of California (#2346). Subcontracted work is the responsibility of the subcontract laboratory, this includes turn-around-time and data quality. If you have any questions regarding this report, please call us at 408-588-0200.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director



Northern California

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-001 Sample ID: STMW-1 Matrix: Liquid Sample Date: 07/29/2008 09:32

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	7/31/2008	WDA080731	08/01/2008	WDA080731
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JHsiang	
n-Hexacosane	94.5		50	- 150				Reviewed by: mtran	

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	08/06/2008	GJK45
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	98.6		65	- 135				Reviewed by: MaiChiTu	

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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

Qual = Data Qualifier

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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-001 Sample ID: STMW-1 Matrix: Liquid Sample Date: 07/29/2008 09:32

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	08/08/2008	VW41
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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

Qual = Data Qualifier



Northern California

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-001 Sample ID: STMW-1 Matrix: Liquid Sample Date: 07/29/2008 09:32

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methyl-t-butyl Ether	1.3		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.0	60 - 130
Dibromofluoromethane	94.0	60 - 130
Toluene-d8	98.5	60 - 130

Analyzed by: BDhabalia
 Reviewed by: dba



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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab #: C1779-002 Sample ID: STMW-2 Matrix: Liquid Sample Date: 07/29/2008 10:21

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	51	µg/L	7/31/2008	WDA080731	08/01/2008	WDA080731
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JHsiang	
n-Hexacosane	97.8		50 - 150					Reviewed by: mtran	

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	08/06/2008	GJK45
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	99.7		65 - 135					Reviewed by: MaiChiTu	

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Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-002 Sample ID: STMW-2 Matrix: Liquid Sample Date: 07/29/2008 10:21

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	08/08/2008	VW41
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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

Qual = Data Qualifier



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Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-002 Sample ID: STMW-2 Matrix: Liquid Sample Date: 07/29/2008 10:21

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.4	60 - 130
Dibromofluoromethane	94.9	60 - 130
Toluene-d8	99.7	60 - 130

Analyzed by: BDhabalia
 Reviewed by: dba



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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
Sample Collected by: Client

Lab #: C1779-003 Sample ID: STMW-3 Matrix: Liquid Sample Date: 07/29/2008 11:05

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	7/31/2008	WDA080731	08/01/2008	WDA080731

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	93.4	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	08/06/2008	GJK45

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	111	65 - 135

Analyzed by: JAbidog
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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

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Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-003 Sample ID: STMW-3 Matrix: Liquid Sample Date: 07/29/2008 11:05

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	08/08/2008	VW41
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41

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Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab #: C1779-003 Sample ID: STMW-3 Matrix: Liquid Sample Date: 07/29/2008 11:05

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methyl-t-butyl Ether	1.4		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.8	60 - 130
Dibromofluoromethane	92.1	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: BDhabalia
 Reviewed by: dba



Northern California

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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
Sample Collected by: Client

Lab #: C1779-004 Sample ID: STMW-4 Matrix: Liquid Sample Date: 07/29/2008 11:53

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	490		0.96	48	µg/L	7/31/2008	WDA080731	08/01/2008	WDA080731
Not a typical pattern. Higher boiling gasoline compounds in the Diesel range (C10-C16).									

Surrogate	Surrogate Recovery	Control Limits (%)	Analized by:
n-Hexacosane	78.8	50 - 150	JHsiang
			Reviewed by: mtran

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1000		2.0	100	µg/L	N/A	N/A	08/08/2008	GJK48
Atypical pattern.									

Surrogate	Surrogate Recovery	Control Limits (%)	Analized by:
4-Bromofluorobenzene	900 ***	65 - 135	JABidog
			Reviewed by: MaiChiTu

*** Surrogate recovery outside QC limits due to matrix interference.

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Project Number: 12-04-770GI

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 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-004 Sample ID: STMW-4 Matrix: Liquid Sample Date: 07/29/2008 11:53

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	08/08/2008	VW41
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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

Qual = Data Qualifier



Northern California

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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab #: C1779-004 Sample ID: STMW-4 Matrix: Liquid Sample Date: 07/29/2008 11:53

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Isopropylbenzene	32		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
n-Propylbenzene	12		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
sec-Butylbenzene	6.9		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108	60 - 130
Dibromofluoromethane	92.2	60 - 130
Toluene-d8	101	60 - 130

Analyzed by: BDhabalia
 Reviewed by: dba



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 Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab #: C1779-005 Sample ID: STMW-5 Matrix: Liquid Sample Date: 07/29/2008 12:49

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		0.96	48	µg/L	7/31/2008	WDA080731	08/01/2008	WDA080731
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JHsiang	
n-Hexacosane	91.3		50	- 150				Reviewed by: mtran	

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	140		1.0	50	µg/L	N/A	N/A	08/06/2008	GJK45
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	156 ***		65	- 135				Reviewed by: MaiChiTu	

*** Surrogate recovery outside QC limits due to matrix interference.

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-005 Sample ID: STMW-5 Matrix: Liquid Sample Date: 07/29/2008 12:49

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	08/08/2008	VW41
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetone	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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

Qual = Data Qualifier



Northern California

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

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

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave., Oakland
 GlobalID: T06019784055

Certificate of Analysis - Data Report

Samples Received: 07/30/2008
 Sample Collected by: Client

Lab # : C1779-005 Sample ID: STMW-5 Matrix: Liquid Sample Date: 07/29/2008 12:49

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

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	08/08/2008	VW41
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	08/08/2008	VW41
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	08/08/2008	VW41
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	08/08/2008	VW41

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.2	60 - 130
Dibromofluoromethane	90.9	60 - 130
Toluene-d8	97.7	60 - 130

Analyzed by: BDhabalia
 Reviewed by: dba



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

QC Batch ID: GJK45

Validated by: Tfulton - 08/07/08

QC Batch Analysis Date: 8/6/2008

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	98.4	65 - 135		



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

QC Batch ID: GJK48

Validated by: MaiChiTu - 08/12/08

QC Batch Analysis Date: 8/8/2008

Parameter		Result	DF	PQLR	Units
TPH as Gasoline		ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	99.6	65 - 135			

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

QC Batch ID: VW41

Validated by: dba - 08/11/08

QC Batch Analysis Date: 8/8/2008

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L

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

QC Batch ID: VW41

Validated by: dba - 08/11/08

QC Batch Analysis Date: 8/8/2008

Parameter	Result	DF	PQLR	Units
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	1.0	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	97.0	60 - 130		
Dibromofluoromethane	94.0	60 - 130		
Toluene-d8	98.0	60 - 130		



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Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WDA080731

Validated by: mtran - 08/01/08

QC/Prep Date: 7/31/2008

Parameter			Result	DF	PQLR	Units
TPH as Diesel			ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits				
n-Hexacosane	82.8	50 - 150				

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

QC Batch ID: GJK45

Reviewed by: Tfulton - 08/07/08

QC Batch ID Analysis Date: 8/6/2008

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	129	µg/L	103	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	107.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	130	µg/L	104	0.77	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	102.0	65 - 135						



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

QC Batch ID: GJK48

Reviewed by: MaiChiTu - 08/12/08

QC Batch ID Analysis Date: 8/8/2008

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	126	µg/L	101	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	102.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	130	µg/L	104	3.1	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	107.0	65 - 135						



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

QC Batch ID: VW41

Reviewed by: dba - 08/11/08

QC Batch ID Analysis Date: 8/8/2008

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.2	µg/L	106	70 - 130
Benzene	<0.50	20	19.2	µg/L	96.2	70 - 130
Chlorobenzene	<0.50	20	19.8	µg/L	99.2	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.3	µg/L	91.5	70 - 130
Toluene	<0.50	20	21.7	µg/L	108	70 - 130
Trichloroethene	<0.50	20	19.6	µg/L	98.2	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.0	60 - 130
Dibromofluoromethane	97.0	60 - 130
Toluene-d8	98.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.6	µg/L	93.2	13	25.0	70 - 130
Benzene	<0.50	20	16.9	µg/L	84.4	13	25.0	70 - 130
Chlorobenzene	<0.50	20	17.4	µg/L	87.2	13	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.0	µg/L	85.2	7.1	25.0	70 - 130
Toluene	<0.50	20	17.8	µg/L	89.2	19	25.0	70 - 130
Trichloroethene	<0.50	20	17.0	µg/L	85.2	14	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.0	60 - 130
Dibromofluoromethane	96.0	60 - 130
Toluene-d8	93.0	60 - 130



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LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WDA080731

Reviewed by: mtran - 08/01/08

QC/Prep Date: 7/31/2008

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	862	µg/L	86.2	45 - 140
TPH as Motor Oil	<200	1000	836	µg/L	83.6	45 - 140
Surrogate	% Recovery	Control Limits				
n-Hexacosane	83.9	50 - 150				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	862	µg/L	86.2	0.022	25.0	45 - 140
TPH as Motor Oil	<200	1000	895	µg/L	89.5	6.8	25.0	45 - 140
Surrogate	% Recovery	Control Limits						
n-Hexacosane	90.2	50 - 150						



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

QC Batch ID: GJK45

Reviewed by: Tfulton - 08/07/08

QC Batch ID Analysis Date: 8/6/2008

MS Sample Spiked: C1779-001

Parameter	Sample Result	DF	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Limits % Recovery
TPH as Gasoline	ND	1	120	124	µg/L	8/6/2008	99.2	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	107.0	65 - 135						

MSD Sample Spiked: C1779-001

Parameter	Sample Result	DF	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD % Limits	Limits % Recovery
TPH as Gasoline	ND	1	120	126	µg/L	8/6/2008	101	1.6	25.0	65 - 135
Surrogate	% Recovery	Control Limits								
4-Bromofluorobenzene	105.0	65 - 135								



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

QC Batch ID: GJK48

Reviewed by: MaiChiTu - 08/12/08

QC Batch ID Analysis Date: 8/8/2008

MS Sample Spiked: C1779-004

Parameter	Sample Result	DF	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Limits % Recovery
TPH as Gasoline	1050	1	250	1040	µg/L	8/8/2008	0.00	65 - 135 ***

Surrogate % Recovery Control Limits

4-Bromofluorobenzene 742.0*** 65 - 135

Comment: Surrogate recovery outside QC limits due to matrix interference.

MSD Sample Spiked: C1779-004

Parameter	Sample Result	DF	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD % Limits	Limits % Recovery
TPH as Gasoline	1050	1	250	1060	µg/L	8/8/2008	6.80	2.5	25.0	65 - 135 ***

***Spiked recovery outside QC limits due to high concentration of gasoline in the sample.

Surrogate % Recovery Control Limits

4-Bromofluorobenzene 690.0*** 65 - 135

Comment: Surrogate recovery outside QC limits due to matrix interference.

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

QC Batch ID: VW41

Reviewed by: dba - 08/11/08

QC Batch ID Analysis Date: 8/8/2008

MS Sample Spiked: C1779-001

Parameter	Sample Result	DF	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Limits % Recovery
1,1-Dichloroethene	ND	1	20	19.4	µg/L	8/8/2008	96.9	70 - 130
Benzene	ND	1	20	19.0	µg/L	8/8/2008	94.8	70 - 130
Chlorobenzene	ND	1	20	20.3	µg/L	8/8/2008	102	70 - 130
Methyl-t-butyl Ether	1.30	1	20	19.8	µg/L	8/8/2008	92.4	70 - 130
Toluene	ND	1	20	21.2	µg/L	8/8/2008	106	70 - 130
Trichloroethene	ND	1	20	18.8	µg/L	8/8/2008	93.8	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.1	60 - 130
Dibromofluoromethane	97.3	60 - 130
Toluene-d8	98.2	60 - 130

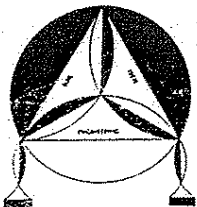
MSD Sample Spiked: C1779-001

Parameter	Sample Result	DF	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD % Limits	Limits % Recovery
1,1-Dichloroethene	ND	1	20	16.9	µg/L	8/8/2008	84.4	14	25.0	70 - 130
Benzene	ND	1	20	16.6	µg/L	8/8/2008	83.1	13	25.0	70 - 130
Chlorobenzene	ND	1	20	17.7	µg/L	8/8/2008	88.6	14	25.0	70 - 130
Methyl-t-butyl Ether	1.30	1	20	17.4	µg/L	8/8/2008	87.2	5.8	25.0	70 - 130
Toluene	ND	1	20	18.4	µg/L	8/8/2008	91.9	14	25.0	70 - 130
Trichloroethene	ND	1	20	16.8	µg/L	8/8/2008	84.1	11	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.4	60 - 130
Dibromofluoromethane	97.9	60 - 130
Toluene-d8	96.0	60 - 130

CHAIN OF CUSTODY RECORD

PROJ. NO. 12-04-7706		NAME 5630 Santablo Ave, Oakland					CON-TAINER	ANALYSES REQUESTED IPHQ by POISM IPHQ by POISM EPA by POISM EPA by POISM	REMARKS
SAMPLERS: (Signature) Richard Manly C1779									
NO.	DATE	TIME	SOIL	WATER	LOCATION	CON-TAINER	ANALYSES REQUESTED	REMARKS	
1	7/29/08	9:32		✓	STMW-1 ED1	6	✓✓✓	EDF # T06019784055	
2		10:21		✓	STMW-2 DD2	6	✓✓✓		
3		11:05		✓	STMW-3 DD3	6	✓✓✓		
4		11:53		✓	STMW-4 DD4	6	✓✓✓	* Full lists	
5	✓	12:49		✓	STMW-5 DD5	6	✓✓✓		
								* All vials are HCL preserved	
2 Lit Ambers each N/P									
4 vials each (w/HCL)									
Rec'd @ 2.2°C									
Relinquished by: (Signature) Richard Manly		Date / Time 7/30/08 17:12		Received by: (Signature) [Signature]		Relinquished by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature) [Signature]		Date / Time 7/30/08 17:45		Received by: (Signature) [Signature]		Relinquished by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature) [Signature]		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Hanedi	



ENVIRO SOIL TECH CONSULTANTS

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