File No. 8-90-420-GI

GROUNDWATER MONITORING AND SAMPLING AT THE PROPERTY LOCATED AT 5175 BROADWAY STREET OAKLAND, CALIFORNIA MARCH 4, 2002

PREPARED FOR:
MR. MOHAMMAD MEHDIZADEH
678 LA CORSO DRIVE
WALNUT CREEK, CALIFORNIA 94598

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

ENVIRO SOIL TECH CONSULTANTS

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March 4, 2002

File No. 8-90-420-GI

Mr. Mohammad Mehdizadeh
678 La Corso Drive
Walnut Creek, California 94598

SUBJECT: GROUNDWATER MONITORING AND SAMPLING AT THE PROPERTY
Located at 5175 Broadway Street, in Oakland, California

Dear Mr. Mehdizadeh:

Enviro Soil Tech Consultants (ESTC) has conducted groundwater monitoring and sampling on January 11, 2002, at the subject site located at 5175 Broadway Street, in Oakland, California (Figure 1).

The five monitoring wells (MW-1 through MW-3, STMW-4 and STMW-5) located on-site (Figure 2) were monitored for presence of floating product and/or distinctive odor and sampled for analyses.

This groundwater monitoring and sampling was conducted in accordance with SOMA's recommendations in the letter dated October 16, 2001, for preparation of risk-based corrective action (RBCA).

PURPOSE:

The purpose of this groundwater monitoring and sampling investigation was to collect additional data for preparation of RBCA.

SITE DESCRIPTION:

The site is located at 5175 Broadway Street, in Oakland, California. The area in the vicinity of the site consists mainly of residential and light commercial (Figure 1).

BACKGROUND:

In January 1990, Tank Protect Engineering, Inc. (TPE), was retained to supervise the removal of underground fuel tanks and to conduct soil sampling, soil excavation, soil treatment and disposal. In addition, TPE installed three monitoring wells on-site.

Initial analytical results of soil samples collected from the tank excavation area showed moderate levels of Total Petroleum Hydrocarbons as gasoline (TPHg) in two locations. The rest of the samples showed TPHg ranging from non-detected to less than 120 parts per million (ppm). Due to the presence of elevated levels of TPHg detected in the excavation, TPE installed three on-site monitoring wells (MW-1 to MW-3), as required by state and local regulatory agencies (Figure 2). TPE's preliminary groundwater assessment also indicated that the shallow groundwater had been impacted.

The Alameda County Health Department (ACHD) requested the property owner to conduct further investigation in order to define the extent of dissolved hydrocarbon contamination in the groundwater.

Soil Tech Engineering, Inc. (STE), was retained in September 1990 to conduct monitoring and sampling of the on-site monitoring wells. The objective of the quarterly groundwater sampling program was to monitor seasonal and long-term variations in the conditions of the shallow aquifer beneath the site and to assess the direction of groundwater flow for further investigation.

STE sampled the three on-site groundwater monitoring wells (MW-1 to MW-3) on September 26, 1990, and January 14, 1991. The sampling was conducted in accordance with ACHD and California Regional Water Quality Control Board (CRWQCB) guidelines and STE's Standard Operating Procedures (SOP) included in Appendix "C".

The three on-site wells contained moderate to high levels of dissolved hydrocarbons. A comparison of the September 1990 sampling with TPE's analytical results of April 1990 showed an increase in dissolved hydrocarbons in wells MW-1 and MW-2. In well MW-3 (the down-gradient well), TPHg and Toluene levels decreased, whereas Benzene, Ethylbenzene and Total Xylenes increased slightly.

The analytical results for groundwater samples collected on January 14, 1991, showed an increase in TPH and BTEX levels in well MW-2 compared to those reported in September 1990. Well MW-1 also showed a slight increase in TPH and Benzene, but showed a decrease in Toluene, Ethylbenzene and Total Xylenes levels. Well MW-3 showed a substantial decrease in TPH and BTEX.

The Alameda County Health Department (ACHD) in a letter dated March 29, 1991, requested additional investigation to define the extent of dissolved hydrocarbon plume. STE installed two additional monitoring wells STMW-1 (STMW-4) and STMW-2 (STMW-5) on June 21, 1991. The July 3, 1991, water sampling results showed low

levels of dissolved Total Hydrocarbons as gasoline (TPHg) and Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) in all five wells. The presence of low levels of TPHg and BTEX in the up-gradient well, STMW-1 (STMW-4), (located on the east corner of the property) indicated a potential off-site source. Based on the water level data, the groundwater direction was west to southwest on July 3, 1991. The detail of this investigation is summarized in STE's report dated July 23, 1991. STE recommended a quarterly monitoring and sampling of five on-site wells for at least a year.

The second quarterly sampling was conducted in November 1991. The detail of the sampling is described in STE's report dated November 22, 1991. The quarterly monitoring and samplings conducted by STE are described in STE's report dated March 10, 1992, June 1992, October 1992 and January 1993.

The last quarterly monitoring and sampling was conducted by STE on August 15, 1994, details in STE report dated September 20, 1994. STE prepared a work plan proposal for additional soil and groundwater investigation of the property dated October 5, 1994 but no further activity on the subject site was authorized by the owner. Hence, there was a discontinuation of quarterly monitoring and sampling activity from August 15, 1994 to November 7, 1996. The quarterly monitoring and sampling activity resumed on November 7, 1996, and the last quarterly monitoring and sampling was conducted on February 16, 2001.

SCOPE OF PRESENT WORK:

The scope of present work are as follow:

1) Measure the depth-to-groundwater and monitor the presence of dissolved petroleum hydrocarbons in the five on-site wells.

2) Collect groundwater samples from the monitoring wells for analyses of Total Petroleum Hydrocarbons as gasoline and diesel (TPHg and TPHd) by EPA Method 8015 MOD; EPA Method 8310; Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) and Methyl tert-butyl Ether (MTBE) by EPA Method 8020 and other fuel oxygenate constituents per EPA Method 8260.

3) Update the database for water level/dissolved hydrocarbon level and groundwater field observation data.

4) Review analytical results and prepare a report.

CURRENT FIELD WORK:

On January 11, 2002, the five on-site wells were monitored, purged and sampled in accordance with ESTC's Standard Operating Procedures (SOP) (Appendix "C"), which comprise of state and local guidelines.

GROUNDWATER MONITORING:

During field observation, ESTC staff detected sewerage odor in monitoring well MW-1. No sheen or odor was detected in water sample from monitoring wells MW-2 and STMW-4. Rainbow sheen and petroleum odor were noted in monitoring well MW-3. Rainbow sheen and sewerage odor were detected in water samples from monitoring well STMW-5. Table 1 summarizes the groundwater monitoring data and laboratory analytical results.

GROUNDWATER SAMPLING:

Following groundwater monitoring, the on-site wells were purged at least five well volumes and sampled. The water samples were collected in 1 liter amber glass bottles and 40 milliliter glass vials with Teflon-lined caps, labeled and placed in an ice-cooled chest for transportation to Entech Analytical Labs, a State-Certified laboratory with appropriate chain-of-custody record.

GROUNDWATER FLOW DIRECTION:

Groundwater elevation data was used to determine the direction of groundwater flow. Groundwater flow was approximately in a southwesterly direction as of January 11, 2002 (Figure 2).

LABORATORY RESULTS:

The groundwater samples were analyzed for TPHg & TPHd by EPA Method 8015 MOD (purgeable and extractable); BTEX & MTBE by EPA Method 8020; EPA Method 8310 and other fuel oxygenate constituents per EPA Method 8260.

Groundwater sample from monitoring wells detected TPHg ranging from 920 micrograms per liter (µg/L) to a maximum of 600000 µg/L; TPHd ranging from non-detectable to a maximum of 160000 µg/L; Benzene ranging from 76 µg/L to a maximum of 74000 µg/L; Toluene ranging from 16 µg/L to a maximum of 53000 µg/L; Ethylbenzene ranging from 16 µg/L to a maximum of 14000 µg/L; Total Xylenes ranging from non-detectable to maximum of 52000 µg/L and MTBE ranging from non-detectable

to maximum of 110000 µg/L. All five monitoring wells detected other fuel oxygenate constituents (EPA 8260) in the groundwater samples. Table 1 and Table 2 summarize the groundwater samples analytical results.

RECOMMENDATION:

Due to the unusual elevated level of contamination in the recent sampling event, we highly recommend that one more round of water sampling to confirm the results prior to preparing the Risk Based Corrective Action (RBCA).

LIMITATIONS:

This report and the associated work have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. The contents of this report reflect the conditions of the site at this particular time. The findings of this report are based on:

1) The observations of field personnel.
2) The results of laboratory analyses performed by a state-certified laboratory.

It is possible that variations in the soil and groundwater could exist beyond the points explored in this investigation. Also, changes in groundwater conditions of a property can occur with the passage of time due to variations in rainfall, temperature, regional water usage and other natural processes or the works of man on this property or adjacent properties.

The services that ESTC provided have been in accordance with generally accepted environmental professional practices for the nature and conditions of the work completed in the same or similar localities at the time the work was performed.

This report was prepared in accordance with the currently accepted standards for environmental investigations. 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 have any questions or require additional information, please feel free to contact our office at (408) 297-1500 at your convenience.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMEDI-FARD
GENERAL MANAGER

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

File No. 8-90-420-GI

A P P E N D I X "A"

ENVIRO SOIL TECH CONSULTANTS

File No. 8-90-420-GI

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	TPHd	B	T	E	X	MTBE
4/30/89	MW-1 (97.71)	23	10	N/A	N/A	No sheen or odor	200	NA	18	5	2	12	NA
5/17/90				9.26*	88.45	N/A	NA	NA	NA	NA	NA	NA	NA
9/26/90				9.92*	87.79	No sheen Mild petroleum odor	1300	NA	55	31	120	100	NA
1/14/91				9.54*	88.17	No sheen Mild petroleum odor	3100	NA	350	83	86	130	NA
7/03/91	(102.04) resurveyed			9.42*	92.62	No sheen Light petroleum odor	580	NA	32	41	40	55	NA
11/11/91				9.45*	92.59	No sheen Mild petroleum odor	330	NA	20	2	2	11	NA
3/04/92	(101.83) resurveyed			7.93*	93.90	No sheen Light petroleum odor	810	NA	11	5	10	23	NA
6/02/92				8.98*	92.85	No sheen Mild sewerage odor	2200	NA	93	32	40	120	NA
9/28/92				9.29*	92.54	No sheen Mild sewerage odor	2900	NA	24	78	19	37	NA
1/11/93				7.56*	94.27	No sheen Light sewerage odor	1700	NA	5.7	6	11	28	NA
8/15/94				9.19*	92.64	No sheen Mild sewerage odor	2000	NA	120	3	6	16	NA
11/07/96	(97.50) resurveyed			8.73*	88.77	No sheen Light sewerage odor	1200	270	3	1.1	1.5	3.8	ND<0.5
2/12/97				7.92*	89.58	No sheen Light sewerage odor	1800	ND<50	13	5.7	4.8	17	ND<0.5
6/16/97				9.04*	88.46	No sheen/Very light sewerage odor	330	ND<50	2.7	ND<0.5	ND<0.5	1.2	ND<0.5

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
9/30/97	MW-1 (97.50)	23	10	7.56*	89.94	No sheen or odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/98				7.96*	89.54	No sheen or odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
4/24/98				7.98*	89.52	Light rainbow sheen Light sewerage odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
8/17/98				8.98*	88.52	No sheen Light sewerage odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
11/16/98				8.90*	88.90	No sheen Light sewerage odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/16/99				8.64*	88.86	Light rainbow sheen Slight sewerage odor	110	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
5/17/99				8.50*	89.00	No sheen Strong sewerage odor	280	NA	1.1	0.6	ND<0.5	ND<0.5	ND<0.5
8/17/99				9.24*	88.26	Light sheen Sewerage odor	790	86	5.6	4.3	4.5	11	ND<5
11/17/99				10.44**	87.06	Light rainbow sheen Light sewerage odor	1300	NA	3.6	1.9	2.7	6.6	ND<1
2/17/00				8.48*	89.02	Light rainbow sheen Light sewerage odor	580	NA	1.1	2.3	3.6	4.9	ND<5
5/17/00				8.24*	89.26	Light rainbow sheen Light sewerage odor	1500	NA	130	6.8	6.1	ND<5	ND<5
8/17/00				8.77*	88.73	Rainbow sheen Light sewerage odor	550	NA	160	ND<25	ND<25	ND<25	ND<25
11/15/00				9.04*	88.46	Light rainbow sheen Light sewerage odor	130	NA	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	TPHd	B	T	E	X	MTBE
2/16/01	MW-1 (97.50)	23	10	7.60*	89.90	No sheen Light sewerage odor	400	NA	26	ND<5	ND<5	ND<5	ND<5
1/11/02†				8.08*	89.42	No sheen Sewerage odor	600	160**	74	53	14	52	110
4/30/89	MW-2 (97.78)	23	15	N/A	N/A	No sheen or odor	230	NA	39	18	5	23	NA
5/17/90				10.00*	87.78	NA	NA	NA	NA	NA	NA	NA	NA
9/29/90				10.83*	86.95	No sheen Mild petroleum odor	850	NA	940	5	25	47	NA
1/14/91				10.63*	87.15	No sheen or odor	3100	NA	30	52	24	34	NA
7/03/91	(102.02) resurveyed			10.08*	91.94	No sheen Light petroleum odor	1590	NA	30	52	24	34	NA
11/11/91				10.21*	91.81	No sheen Mild petroleum odor	960	NA	320	15	4	29	NA
3/04/92				8.70*	92.97	No sheen Light petroleum odor	1500	NA	9.5	8.4	9.8	22	NA
6/02/92				9.52*	92.15	No sheen Mild sewerage odor	2800	NA	84	41	59	95	NA
9/28/92				10.09*	91.58	No sheen Mild sewerage odor	1600	NA	47	20	47	97	NA
1/11/93				8.52*	93.15	No sheen Light sewerage odor	2500	NA	8.6	10	17	32	NA
8/15/94	(97.49) resurveyed			9.91*	91.76	No sheen Light petroleum odor	6000	NA	450	60	100	95	NA
11/07/96				10.02*	87.47	No sheen/Very light sewerage odor	4200	780	25	4.9	8.1	14	ND<0.5
2/12/97				8.91*	88.58	No sheen/Very light sewerage odor	1800	5700	16	3.1	3.4	8.8	ND<0.5

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
6/16/97	MW-2 (97.49)	23	15	9.75*	87.74	No sheen/Very light sewerage odor	2500	ND<50	22	5.1	7.8	11	ND<0.5
9/30/97				7.89*	89.51	No sheen or odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/98				8.38*	89.11	No sheen or odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
4/24/98				8.68*	88.81	No sheen Slight sewerage odor	2100	1400	18	6.5	4.8	21	ND<0.5
8/17/98				9.74*	87.75	No sheen or odor	2900	ND<50	5.1	4.5	5.8	17	ND<0.5
11/16/98				10.14*	87.35	No sheen Light sewerage odor	1400	ND<50	2.1	1.9	2.3	4.8	ND<0.5
2/16/99				8.92*	88.57	No sheen Slight sewerage odor	1600	ND<50	82	16	ND<2.5	40	59
5/17/99				9.26*	88.23	No sheen Mild sewerage odor	8200	NA	43	73	140	100	ND<250
8/17/99				10.04*	87.45	No sheen Sewerage odor	2900	260	20	81	17	38	ND<5
11/17/99				11.52*	85.97	Light rainbow sheen Light sewerage odor	2600	ND<50	7	3.7	5.3	12.9	ND<1
2/17/00				9.50*	87.99	Light rainbow sheen Light sewerage odor	1700	NA	3.2	6.8	11	12.3	ND<5
5/17/00				8.84*	88.65	No sheen Light sewerage odor	3800	NA	450	65	110	80	ND<25
8/17/00				8.50*	88.99	No sheen or odor	4300	NA	440	ND<50	78	ND<50	ND<50
11/15/00				9.94*	87.55	No sheen Light sewerage odor	5800	NA	320	41	78	64	ND<25

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
2/16/01	MW-2 (97.49)	23	15	8.52*	88.97	No sheen or odor	2200	NA	110	20	38	33	ND<5
1/11/02†				8.82*	88.67	No sheen or odor	3100	620	280	86	84	110	ND<50
4/30/90	MW-3 (98.14)	27	20	N/A	N/A	No sheen Mild petroleum odor	56000	NA	3600	8600	1300	7200	NA
5/17/90				12.42*	85.72	N/A	NA	NA	NA	NA	NA	NA	NA
9/26/90				13.50*	84.64	No sheen Mild petroleum odor	54000	NA	5100	420	1600	8000	NA
1/14/91				12.58*	85.56	Light sheen Strong petroleum odor	35000	NA	2600	6600	1500	5700	NA
7/03/91	(102.46) resurveyed			12.08*	90.38	Rainbow sheen Strong petroleum odor	33000	NA	4120	4300	1400	4800	NA
11/11/91				12.29*	90.17	Very light rainbow sheen Mild petroleum odor	57000	NA	3900	8400	2100	14000	NA
3/04/92	(102.18) resurveyed			10.26*	91.92	Brown sheen Strong petroleum odor	57000	NA	720	870	81	3100	NA
6/02/92	(97.94) resurveyed			11.40*	90.78	Rainbow sheen Mild petroleum odor	50000	NA	240	240	220	740	NA
9/28/92				12.64*	89.54	Rainbow sheen spots Strong petroleum odor	64000	NA	110	93	97	250	NA
1/11/93				10.10*	92.08	Rainbow sheen Mild petroleum odor	68000	NA	210	280	360	990	NA
8/15/94				12.20*	89.98	Brown sheen spots Mild petroleum odor	50000	NA	870	1200	1300	3000	NA
11/07/96				12.40*	85.54	Very thin layer of brown sheen/Light petroleum odor	68000	470	33	27	63	120	ND<0.5

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
2/12/97	MW-3 (97.94)	27	20	10.23*	87.71	Brown sheen spots Light petroleum odor	25000	3500	39	43	15	91	ND<0.5
6/16/97				11.79*	86.15	Light brown sheen spots Very light petroleum odor	9700	ND<50	26	29	45	81	ND<0.5
9/30/97				9.40*	88.54	No sheen or odor	6000	1600	43	36	12	11	ND<0.5
1/27/98				9.80*	88.14	No sheen or odor	380	560	5.7	4.1	1.7	9.1	ND<0.5
4/24/98				9.90*	88.04	Rainbow sheen Light sewerage odor	ND<50	680	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
8/17/98				11.46*	86.48	No sheen or odor	16000	ND<50	200	18	31	82	ND<0.5
11/16/98				12.40*	85.54	Rainbow sheen Strong sewerage odor	68000	ND<50	86	54	69	130	ND<0.5
2/16/99				10.72*	87.2	Rainbow sheen Strong sewerage odor	33000	ND<50	270	110	ND<5	770	170
5/17/99				10.54*	87.40	Rainbow sheen Strong petroleum odor	72000	NA	280	230	320	890	ND <250
8/17/99				11.92*	86.02	Rainbow sheen Strong petroleum odor	20000	1800	51	41	61	130	ND<5
11/17/99				13.60*	84.34	Rainbow sheen Strong petroleum odor	1700	NA	39	22	31	84	ND<1
2/17/00				10.68*	87.26	Rainbow sheen Strong petroleum odor	8800	NA	16	39	74	90	ND<5
5/17/00				10.25*	87.69	Rainbow sheen Strong petroleum odor	22000	NA	300	260	410	940	ND<5
8/17/00				11.84*	86.10	Rainbow sheen Strong petroleum odor	15000	NA	230	140	470	750	ND<50

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
11/15/00	MW-3 (97.94)	27	20	11.82*	86.12	Rainbow sheen Strong petroleum odor	12000	NA	250	210	390	700	ND<25
2/16/01				9.68*	88.26	Rainbow sheen Strong petroleum odor	7400	NA	40	72	100	250	ND<25
1/11/02†				9.58*	88.36	Rainbow sheen Petroleum odor	9300	1900	230	200	290	580	ND<25
7/03/91	STMW-4 (103.58)	19.50	11.50	11.00*	92.58	Light rainbow sheen Mild petroleum odor	3100	NA	610	62	39	150	NA
11/11/91	STMW-4 Renamed			11.08*	92.50	Light rainbow sheen Strong petroleum odor	3600	NA	990	15	2.6	180	NA
3/04/92	(101.08) resurveyed			9.44*	91.64	Rainbow sheen spots Mild petroleum odor	5000	NA	35	20	22	71	NA
6/02/92	(98.80) resurveyed			10.32*	92.76	No sheen Light petroleum odor	13000	NA	140	45	63	210	NA
9/28/92				10.76*	92.32	Brown sheen spots Mild petroleum odor	40000	NA	35	20	48	110	NA
1/11/93				9.28*	93.80	Brown sheen spots Mild petroleum odor	24000	NA	26	88	92	280	NA
8/15/94				10.54*	92.54	Light rainbow sheen spots Light petroleum odor	9000	NA	500	34	46	130	NA
11/07/96				10.37*	88.43	Rainbow sheen spots Very light petroleum odor	13000	180	40	2.9	7.8	19	ND<0.5
2/12/97				9.36*	89.44	Rainbow sheen spots Very light petroleum odor	5300	5700	95	5.3	5.9	18	ND<0.5
6/16/97				10.40*	88.40	No sheen Very light sewerage odor	5300	ND<50	37	6.2	1.7	11	ND<0.5
9/30/97				8.50*	90.30	No sheen or odor	2700	ND<50	42	7.7	5.7	26	ND<0.5

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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	TPHd	B	T	E	X	MTBE
1/27/98	STMW-4 (98.80)	19.50	11.50	8.90*	89.90	No sheen or odor	3000	300	60	17	12	49	ND<0.5
4/24/98				9.50*	89.30	Rainbow sheen Strong sewerage odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
8/17/98				10.36*	88.44	Rainbow sheen Light petroleum odor	29000	ND<50	36	24	59	160	ND<0.5
11/16/98				10.56*	88.24	Rainbow sheen Strong petroleum odor	13000	ND<50	26	21	20	41	NA
2/16/99				9.64*	89.16	Rainbow sheen Strong petroleum odor	32000	ND<50	660	16	16	150	ND<100
5/17/99				9.96*	88.84	Rainbow sheen String petroleum odor	13000	NA	1600	30	45	78	ND<250
8/17/99				10.64*	88.16	Rainbow sheen Light petroleum odor	12000	990	260	22	33	72	ND<5
11/17/99				12.02**	86.78	Rainbow sheen Light petroleum odor	7900	NA	21	12	17	40	ND<1
2/17/00				9.32*	98.48	Rainbow sheen Light petroleum odor	4900	NA	8.9	21	38	50	ND<5
5/17/00				9.65*	89.15	Rainbow sheen Strong petroleum odor	9600	NA	840	ND<50	61	ND<50	ND<50
8/17/00				10.34*	88.46	Rainbow sheen Strong petroleum odor	5100	NA	680	ND<50	62	ND<50	ND<50
11/15/00				10.52*	88.28	Rainbow sheen Strong petroleum odor	3900	NA	640	ND<25	26	27	ND<25
2/16/01				9.20*	89.60	Rainbow sheen Light petroleum odor	5700	NA	560	ND<25	ND<25	ND<25	ND<25
1/11/02†				9.58*	89.22	No sheen or odor	4900	930	560	59	25	ND<25	ND<250

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
7/03/91	STMW-2 (101.99)	24	16	13.29*	88.07	No sheen or odor	690	NA	99	81	19	98	NA
11/11/91	STMW-5 Renamed			14.00*	87.99	No sheen Very light petroleum odor	410	NA	61	2.4	1.4	20	NA
3/04/92	(101.36) resurveyed			11.80*	89.56	No sheen Very light petroleum odor	460	NA	13	6.5	11	18	NA
6/02/92				13.06*	88.30	No sheen Mild petroleum odor	1800	NA	27	20	21	43	NA
9/28/92				14.04*	87.32	No sheen Mild sewerage odor	1500	NA	14	6.1	18	22	NA
1/11/93				11.61*	89.75	No sheen Light sewerage odor	800	NA	1.8	3	3.1	9.4	NA
8/15/94				13.85*	87.51	No sheen Mild sewerage	3000	NA	320	62	34	220	NA
11/07/6	(97.14) resurveyed			13.67*	83.47	Rainbow sheen spots Very light petroleum odor	1200	330	11	1.7	4.4	13	ND<0.5
2/17/97				12.07*	82.07	Rainbow sheen spots Very light petroleum odor	1000	3700	11	17	1.7	9.7	ND<0.5
6/19/97				13.33*	83.81	No sheen Very light sewerage odor	950	2300	7.4	1	1	7.2	ND<0.5
9/30/97				11.24*	85.90	No sheen Light sewerage odor	710	1100	5.8	4	1	1	ND<0.5
1/27/98				11.64*	85.50	No sheen Light sewerage odor	340	1100	2	1.8	1.6	8.2	ND<0.5
4/24/98				11.84*	85.30	Rainbow sheen Strong petroleum odor	3300	ND<50	12	9.4	8.5	37	ND<0.5

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

Date	Well No./ Elevation	Depth of Well	Depth of Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE
8/17/98	STMW-5 (97.14)	24	16	13.20*	83.94	Rainbow sheen Light sewerage odor	5300	ND<50	26	17	14	39	ND<0.5
11/16/98				13.74*	83.40	Rainbow sheen Strong sewerage odor	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/16/99				12.22*	84.92	Rainbow sheen Strong sewerage odor	950	ND<50	150	3.8	1.4	14	11
5/17/99				12.58*	84.56	Rainbow sheen Mild petroleum odor	2800	NA	67	9.4	ND<2.5	16	30
8/17/99				13.48*	83.66	Rainbow sheen Light petroleum odor	2800	230	18	17	18	36	ND<5
11/17/99				14.88*	82.26	Rainbow sheen Light petroleum odor	1600	NA	3.9	2.3	3.2	7.5	ND<1
2/17/00				12.56*	84.58	Rainbow sheen Light petroleum odor	770	NA	1.5	3.2	5.8	7	ND<5
5/17/00				12.08*	85.06	Rainbow sheen Strong petroleum odor	4500	NA	ND<25	ND<25	ND<25	ND<25	ND<25
8/17/00				13.56*	83.58	Rainbow sheen Strong petroleum odor	2900	NA	170	64	100	250	NA<10
11/15/00				13.28*	83.86	Rainbow sheen Strong petroleum odor	2100	NA	120	24	40	54	ND<5
2/16/01				11.60*	85.54	Rainbow sheen Light petroleum odor	850	NA	58	9.8	9.4	18	ND<5
1/11/02†				11.72*	85.42	Rainbow sheen Sewerage odor	920	ND<50	76	16	16	28	13

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

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
GW Elev. - Groundwater Elevation
ND - Not detected (Below Laboratory Detection Limit)
N/A - Not Applicable
** Well casings are not submerged
† TPHg was analyzed by EPA 8015 MOD (Purgeable); TPHd was analyzed by EPA 8015 MOD (Extractable), BTEX and MTBE were analyzed by EPA 8020
A - Reported TPH as Diesel value is a result of carry over from light hydrocarbons into the diesel quantitation range
B - There are two fuels present, one in the TPH as Diesel quantitation range and a second in the TPH as Hydraulic Oil range. Both are a typical of normal Diesel and Hydraulic Oil patterns and both carry over into each other's range

TPHd - Total Petroleum Hydrocarbons as diesel
MTBE - Methyl Tertiary Butyl Ether
Perf. - Perforation
NA - Not Analyzed
* - Well casings are submerged

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compound	Concentration (ppb)
1/28/99	MW-1	Not Analyzed	
5/17/99		Diisopropyl Ether	120
8/17/99		Benzene	5.2
		o-Xylene	5.4
		p-Xylene	5.3
11/17/99		Benzene	3.6
		Ethylbenzene	2.7
		Toluene	1.9
		o-Xylene	2.5
		m-Xylene	1.8
		p-Xylene	2.3
2/17/00		Benzene	1.1
		Ethylbenzene	3.6
		Toluene	2.3
		o-Xylene	2.1
		m-Xylene	1.2
		p-Xylene	1.6
5/17/00		1,2,4-Trimethylbenzene	9.8
		Benzene	130
		Diisopropyl Ether	130
		Ethylbenzene	6.1
		Isopropylbenzene	5.3
		n-Propylbenzene	5.6
		Toluene	6.8
8/17/00		Benzene	160
11/15/00		Diisopropyl Ether	22
2/16/01		Benzene	26
		Diisopropyl Ether	110
1/11/02		1,2,4-Trimethylbenzene	7
		1,3,5-Trimethylbenzene	10
		Benzene	74
		Diisopropyl Ether	110
		Ethylbenzene	13
		Isopropylbenzene*	3.5
		Methyl tert-butyl Ether	7.9
		n-Propylbenzene	5.1
		sec-Butylbenzene*	0.6
		Toluene	60
		Xylenes, Total	54

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compounds	Detection Limit
1/28/99	MW-2	Not Analyzed	
5/17/99		Benzene	400
		Ethylbenzene	140
8/17/99		Benzene	19
		Ethylbenzene	19
		Toluene	18
		o-Xylene	14
		m-Xylene	11
		p-Xylene	15
11/17/99		Benzene	7
		Ethylbenzene	5.3
		Toluene	3.7
		o-Xylene	4.9
		m-Xylene	3.6
		p-Xylene	4.4
2/17/00		Benzene	3.2
		Ethylbenzene	11
		Toluene	6.8
		o-Xylene	5.9
		m-Xylene	3.4
		p-Xylene	3.9
5/17/00		1,2,4-Trimethylbenzene	51
		Benzene	450
		Ethylbenzene	110
		Toluene	65
		Xylenes, Total	80
8/17/00		Benzene	440
		Ethylbenzene	78
11/15/00		1,2,4-Trimethylbenzene	48
		Benzene	320
		Ethylbenzene	78
		Toluene	41
		Xylenes, Total	64
2/16/01		1,2,4-Trimethylbenzene	22
		1,3,5-Trimethylbenzene	5.7
		Benzene	110
		Ethylbenzene	38
		n-Propylbenzene	5.1
		Naphthalene	6.6
		Toluene	20
		Xylenes, Total	33

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compound	Concentration (ug/L)
1/11/02	MW-2	1,2,4-Trimethylbenzene	28
		1,3,5-Trimethylbenzene	33
		Benzene	220
		Ethylbenzene	63
		Isopropylbenzene*	6
		n-Butylbenzene	5.6
		n-Propylbenzene*	13
		Toluene	71
		Xylenes, Total	94
1/28/99	MW-3	Not Analyzed	
5/17/99		Benzene	190
		1,2,4-Trimethylbenzene	480
		1,3,5-Trimethylbenzene	290
		Xylenes, Total	590
8/17/99		Benzene	39
		Ethylbenzene	31
		Toluene	22
		o-Xylene	31
		m-Xylene	21
		p-Xylene	30
11/17/99		Benzene	39
		Ethylbenzene	31
		Toluene	22
		o-Xylene	31
		m-Xylene	21
		p-Xylene	30
2/17/00		Benzene	16
		Ethylbenzene	74
		Toluene	39
		o-Xylene	37
		m-Xylene	22
		p-Xylene	31
5/17/00		1,2,4-Trimethylbenzene	930
		1,3,5-Trimethylbenzene	290
		Benzene	300
		Ethylbenzene	410
		Naphthalene	160
		Toluene	260
		Xylenes, Total	940

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compound	Concentration (ug/L)
8/17/00	MW-3	1,2,4-Trimethylbenzene	900
		1,3,5-Trimethylbenzene	290
		Benzene	230
		Ethylbenzene	470
		Isopropylbenzene	51
		n-Butylbenzene	100
		n-Propylbenzene	100
		Naphthalene	160
		Toluene	140
		Xylenes, Total	750
11/15/00		1,2,4-Trimethylbenzene	760
		1,3,5-Trimethylbenzene	240
		Benzene	250
		Ethylbenzene	390
		Isopropylbenzene	34
		n-Propylbenzene	92
		Naphthalene	180
		Toluene	210
		Xylenes, Total	700
2/16/01		1,2,4-Trimethylbenzene	300
		1,3,5-Trimethylbenzene	110
		Benzene	40
		Ethylbenzene	100
		n-Butylbenzene	43
		n-Propylbenzene	30
		Naphthalene	41
		Toluene	72
		Xylenes, Total	250
1/11/02		1,2,4-Trimethylbenzene	400
		1,3,5-Trimethylbenzene	220
		Benzene	150
		Ethylbenzene	250
		Isopropylbenzene*	20
		n-Butylbenzene*	35
		n-Propylbenzene*	60
		Toluene	170
		Xylenes, Total	510

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compounds	Detection ug/L
1/28/99	STMW-4	Not Analyzed	
5/24/99		Benzene	1600
8/17/99		Benzene	24
		Ethylbenzene	31
		Toluene	25
		o-Xylene	28
		m-Xylene	21
		p-Xylene	26
11/17/99		Benzene	21
		Ethylbenzene	17
		Toluene	12
		o-Xylene	15
		m-Xylene	11
		p-Xylene	14
2/17/00		Benzene	8.9
		Ethylbenzene	38
		Toluene	21
		o-Xylene	19
		m-Xylene	14
		p-Xylene	17
5/17/00		1,2,4-Trimethylbenzene	170
		1,3,5-Trimethylbenzene	87
		Benzene	840
		Ethylbenzene	61
		Isopropylbenzene	53
		n-Butylbenzene	85
		n-Propylbenzene	84
8/17/00		1,2,4-Trimethylbenzene	69
		Benzene	680
		Ethylbenzene	62
11/15/00		1,2,4-Trimethylbenzene	31
		Benzene	640
		Diisopropyl Ether	34
		Ethylbenzene	26
		n-Propylbenzene	28
		tert-Butanol	100
		Xylenes, Total	27

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compound	Detection (ug/L)
2/16/01	STMW-4	1,2,4-Trimethylbenzene	48
		Benzene	560
		Diisopropyl Ether	26
		Hexane	140
		n-Propylbenzene	26
1/11/02		1,2,4-Trimethylbenzene*	25
		1,3,5-Trimethylbenzene*	30
		Benzene	460
		Ethylbenzene*	22
		Isopropylbezene*	13
		n-Butylbenzene*	7.6
		n-Propylbenzene*	20
		Toluene*	48
		Xylenes, Total*	63
1/28/99	STMW-5	Not Analyzed	
5/17/99		Benzene	88
8/17/99		Benzene	19
		Ethylbenzene	21
		Toluene	16
		o-Xylene	14
		m-Xylene	11
		p-Xylene	16
11/17/99		Benzene	3.9
		Ethylbenzene	3.2
		Toluene	2.3
		o-Xylene	2.9
		m-Xylene	2.1
		p-Xylene	2.5
2/17/00		Benzene	1.5
		Ethylbenzene	5.8
		Toluene	3.2
		o-Xylene	2.5
		m-Xylene	2.2
		p-Xylene	2.3
5/17/00		1,2,4-Trimethylbenzene	59

TABLE 2 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR
FUEL OXYGENATE CONSTITUENTS (8260)

Date	Sample Number	Compound	Detection Limit (µg/L)
8/17/00	STMW-5	1,2,4-Trimethylbenzene	38
		Benzene	170
		Ethylbenzene	100
		Isopropylbenzene	10
		n-Butylbenzene	11
		n-Propylbenzene	24
		Naphthalene	20
		Toluene	64
		Xylenes, Total	250
11/15/00		1,2,4-Trimethylbenzene	26
		Benzene	120
		Ethylbenzene	40
		Isopropylbenzene	6.5
		n-Butylbenzene	9.4
		n-Propylbenzene	23
		Naphthalene	15
		Toluene	24
		Xylenes, Total	54
2/16/01		Benzene	58
		Ethylbenzene	9.4
		n-Propylbenzene	9.9
		Toluene	9.8
		Xylenes, Total	18
1/11/02		1,2,4-Trimethylbenzene	6.8
		1,3,5-Trimethylbenzene	7.9
		Benzene	87
		Ethylbenzene	18
		Isopropylbenzene	5.1
		n-Butylbenzene	5.6
		n-Propylbenzene	16
		sec-Butylbenzene*	1.3
		Toluene	16
		Xylenes, Total	32

µg/L - Micrograms Per Liter

* Estimated value for tentatively identified compounds or if result is below Practical Quantitation Limit but above Method Detection Limit

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR EPA METHODS 8310; 8015 MOD (EXTRACTABLE) AND 8015 MOD (PURGEABLE) IN MICROGRAMS PER LITER (µg/L)

A. EPA METHOD 8015MOD (EXTRACTABLE & PURGEABLE) RESULTS

Date	Well No.	Bunker Oil	Heating Oil	Hydraulic Oil	Jet Fuel (Jet A)	Kerosene	Motor Oil	Stoddard Solvent	Transformer Oil	Aviation Gas	Mineral Spirits
1/11/02	MW-1	ND<250	ND<250	ND<250	ND<50	ND<50	ND<250	ND<50	ND<250	ND<50	ND<50
1/11/02	MW-2	ND<250	ND<250	ND<250	ND<50	ND<50	ND<250	ND<50	ND<250	ND<500	ND<500
1/11/02	MW-3	ND<500	ND<500	1100	ND<100	ND<100	ND<500	ND<100	ND<500	ND<2500	ND<2500
1/11/02	STMW-4	ND<250	ND<250	ND<250	ND<50	ND<50	ND<250	ND<50	ND<250	ND<2500	ND<2500
1/11/02	STMW-5	ND<250	ND<250	ND<250	ND<50	410	ND<250	ND<50	ND<250	ND<50	ND<50

TABLE 3 CONT'D
GROUNDWATER ANALYTICAL RESULTS FOR EPA METHODS 8310; 8015 MOD (EXTRACTABLE) AND 8015 MOD (PURGEABLE)

B. EPA METHOD 8310 RESULTS

Date	Well Number	Component	Detection (µg/L)
1/11/02	MW-1	None Detected	<0.2 to 5
1/11/02	MW-2	Naphthalene	0.7*
1/11/02	MW-3	Naphthalene	9
1/11/02	STMW-4	Naphthalene	1*
1/11/02	STMW-5	None Detected	<0.2 to 5

* Reported between PQL and MDL

File No. 8-90-420-GI

A P P E N D I X "B"

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File No. 8-90-420-GI

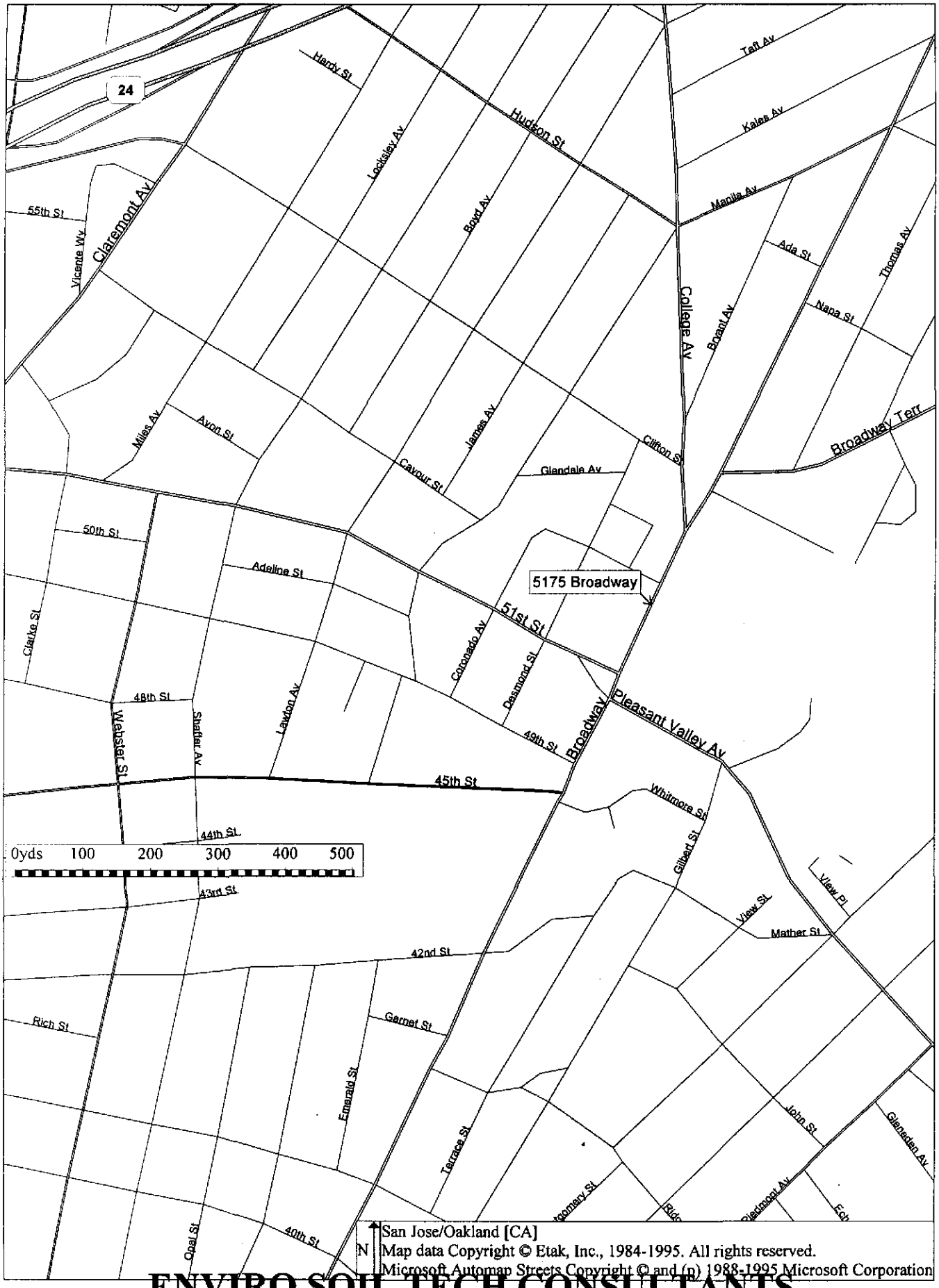

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Figure 1

M1

File No. 8-90-420-GI

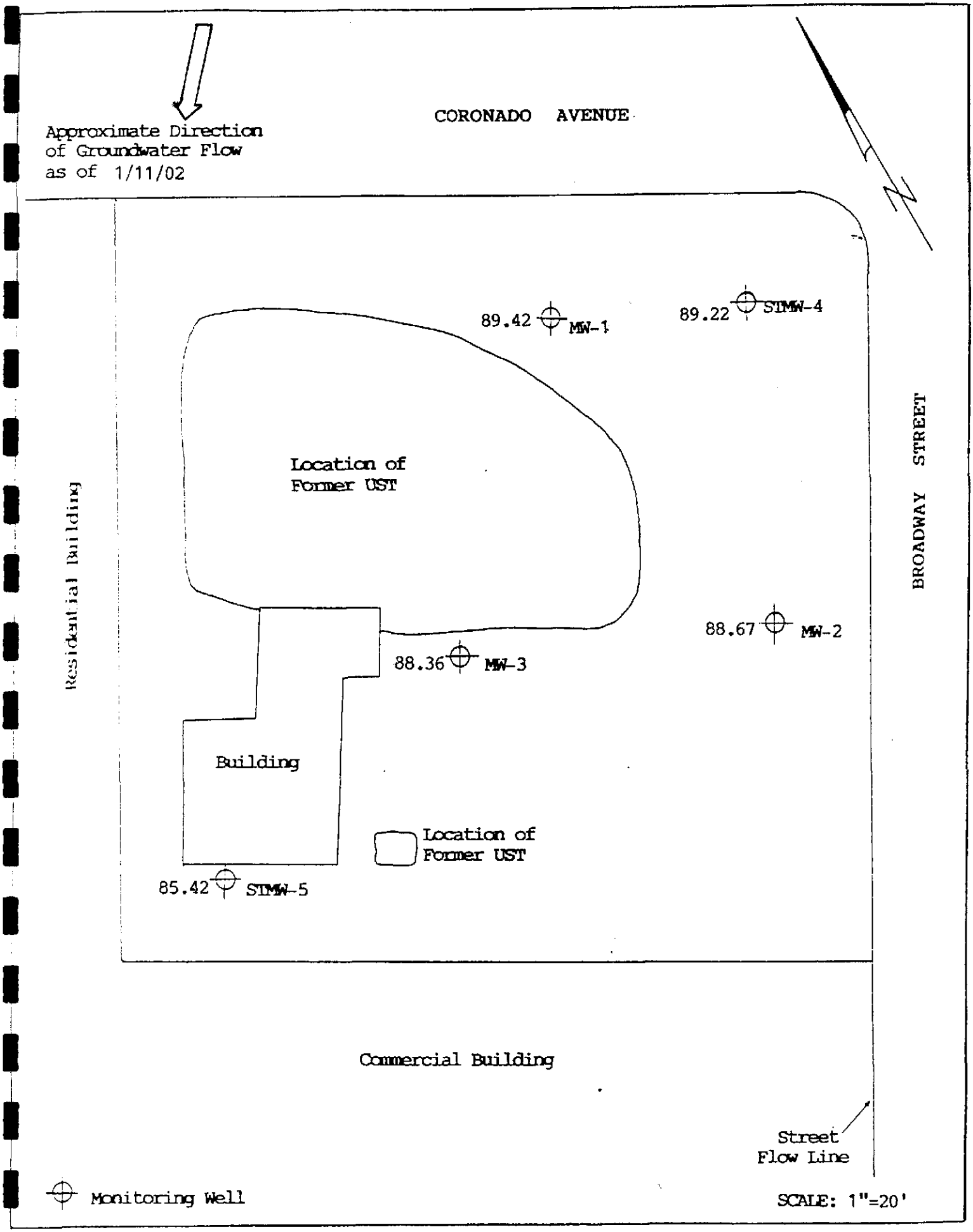

Figure 2

M2

ENVIRO SOIL TECH CONSULTANTS

File No. 8-90-420-GI

A P P E N D I X "C"

ENVIRO SOIL TECH CONSULTANTS

GROUNDWATER SAMPLING

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

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

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

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

File No. 8-90-420-GI

A P P E N D I X "D"

ENVIRO SOIL TECH CONSULTANTS

Entech Analytical Labs, Inc.

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

January 29, 2002

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

Order: 28510
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
Project Notes:

Date Collected: 1/11/2002
Date Received: 1/14/2002
P.O. Number: 8-90-420-GI

On January 14, 2002, samples were received under documentented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method
Liquid	EPA 8260B	EPA 8260B
	EPA 8310 sub out to APCL	EPA 8310
	Fuel Scan	EPA 8015 MOD. (Extractable)
		EPA 8015 MOD. (Purgeable)
		EPA 8020

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

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Entech Analytical Labs, Inc.
Attention: Mai Dinh
3334 Victor Court
Santa Clara CA 95054
Tel: (408)588-0200 Fax: (408)588-0201

Service ID #: 801-021187
Collected by:
Collected on: 01/11/02

Received: 01/15/02
Extracted: 01/16/02
Tested: 01/22/02
Reported: 01/24/02

Sample Description: Water
Project Description: P.O. # 28510

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result 28510-001 02-01187-1	28510-002 02-01187-2
Polynuclear Aromatic HC (PAH)					
Dilution Factor				1	1
Acenaphthene	8310	µg/L	5	ND	ND
Acenaphthylene	8310	µg/L	2	ND	ND
Anthracene	8310	µg/L	0.2	ND	ND
Benz(a)anthracene	8310	µg/L	0.2	ND	ND
Benzo(a)pyrene	8310	µg/L	0.2	ND	ND
Benzo(b)fluoranthene	8310	µg/L	0.2	ND	ND
Benzo(g,h,i)perylene	8310	µg/L	0.2	ND	ND
Benzo(k)fluoranthene	8310	µg/L	0.2	ND	ND
Chrysene	8310	µg/L	0.2	ND	ND
Dibenz(a,h)anthracene	8310	µg/L	0.5	ND	ND
Fluoranthene	8310	µg/L	0.2	ND	ND
Fluorene	8310	µg/L	1	ND	ND
Indeno(1,2,3-cd)pyrene	8310	µg/L	0.2	ND	ND
Naphthalene	8310	µg/L	5	ND	0.7J
Phenanthrene	8310	µg/L	1	ND	ND
Pyrene	8310	µg/L	0.2	ND	ND

Component Analyzed	Method	Unit	PQL	Analysis Result 28510-003 02-01187-3	28510-004 02-01187-4	28510-005 02-01187-5
Polynuclear Aromatic HC (PAH)						
Dilution Factor				1	1	1
Acenaphthene	8310	µg/L	5	ND	ND	ND
Acenaphthylene	8310	µg/L	2	ND	ND	ND
Anthracene	8310	µg/L	0.2	ND	ND	ND
Benz(a)anthracene	8310	µg/L	0.2	ND	ND	ND
Benzo(a)pyrene	8310	µg/L	0.2	ND	ND	ND
Benzo(b)fluoranthene	8310	µg/L	0.2	ND	ND	ND
Benzo(g,h,i)perylene	8310	µg/L	0.2	ND	ND	ND

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 28510-003 02-01187-3	28510-004 02-01187-4	28510-005 02-01187-5
Benzo(k)fluoranthene	8310	µg/L	0.2	ND	ND	ND
Chrysene	8310	µg/L	0.2	ND	ND	ND
Dibenz(a,h)anthracene	8310	µg/L	0.5	ND	ND	ND
Fluoranthene	8310	µg/L	0.2	ND	ND	ND
Fluorene	8310	µg/L	1	ND	ND	ND
Indeno(1,2,3-cd)pyrene	8310	µg/L	0.2	ND	ND	ND
Naphthalene	8310	µg/L	5	9	1J	ND
Phenanthrene	8310	µg/L	1	ND	ND	ND
Pyrene	8310	µg/L	0.2	ND	ND	ND

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL QA/QC Report

Submitted to:
Entech Analytical Labs, Inc.
Attention: Mai Dinh
3334 Victor Court
Santa Clara, CA 95054
Tel: (408)588-0200 Fax: (408)588-0201

Service ID #: 801-021187
Collected by:
Collected on: 01/11/02
Sample description:
Water
Project: P.O. # 28510

Received: 01/15/02
Tested: 01/22/02
Reported: 01/31/02

Analysis of Water

801-021187QC

Component Name	Analysis Batch #	CCV (µg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Polynuclear Aromatic HC (PAH)												
Naphthalene	02G1143	25000	94	N.D.	µg/L	25.0	86	73	76	3	42-135	47
Acenaphthylene	02G1143	25000	94	N.D.	µg/L	25.0	84	80	81	1	46-128	41
Acenaphthene	02G1143	50000	92	N.D.	µg/L	50.0	84	80	80	0	43-114	36
Fluorene	02G1143	5000	94	N.D.	µg/L	5.00	87	81	82	1	42-134	46
Phenanthrene	02G1143	2000	97	N.D.	µg/L	2.00	89	81	82	1	40-137	49
Anthracene	02G1143	1000	98	N.D.	µg/L	1.00	75	81	81	1	49-127	39
Fluoranthene	02G1143	2500	99	N.D.	µg/L	2.50	91	84	85	1	57-117	30
Pyrene	02G1143	5000	95	N.D.	µg/L	5.00	87	79	80	1	40-136	48
Benz(a)anthracene	02G1143	2500	94	N.D.	µg/L	2.50	84	80	81	1	44-134	45
Chrysene	02G1143	2500	93	N.D.	µg/L	2.50	86	80	81	1	45-135	45
Benzo(b)fluoranthene	02G1143	1000	96	N.D.	µg/L	1.00	88	81	82	1	44-132	44
Benzo(k)fluoranthene	02G1143	1000	96	N.D.	µg/L	1.00	87	85	86	1	47-127	40
Benzo(a)pyrene	02G1143	2500	93	N.D.	µg/L	2.50	78	79	80	1	40-126	43
Dibenz(a,h)anthracene	02G1143	10000	96	N.D.	µg/L	10.0	87	85	86	1	41-120	40
Benzo(g,h,i)perylene	02G1143	4000	96	N.D.	µg/L	4.00	87	82	83	1	41-135	47
Indeno(1,2,3-cd)pyrene	02G1143	2500	96	N.D.	µg/L	2.50	86	80	81	2	41-130	45

Notation:
ICV – Initial Calibration Verification
CCV – Continuation Calibration Verification
LCS – Lab Control Spike
MS – Matrix Spike
MSD – Matrix Spike Duplicate
ICS – Interference Check Standard
MD – Matrix Duplicate
N.D. – Not detected or less than PQL
CCB – Continuation Calibration Blank
M-blank – Method Blank
SP Level – Spike Level
%Rec – Recovery Percent
%RPD – Relative Percent Differences
%Diff – Control Limit for %RPD
ICP-SD – ICP Serial Dilution
N.A. – Not Applicable

Respectfully submitted,

Regina Kirakozova,
Acting Associate QA Director
Applied P & Ch Laboratory

Entech Analytical Labs, Inc.

CA ELAP # I-2346

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

Subcontract Chain of Custody

Subcontract Lab:	Project Name:	Date Sent:	Due Date:	PO Number:
APCL	28510	1/14/02	1/21/02	28510

Sample Number:	Customer Sample Number:	Matrix:	Test:	Method:	Collect Date:	Collect Time:	Bottle Type:	Preservative:
28510-001	MW-1	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	11:38		
28510-002	MW-2	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	12:08		
28510-003	MW-3	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	13:11		
28510-004	STMW-4	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	12:37		
28510-005	STMW-5	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	11:06		

Relinquished By:	Received By:	Date:	Time:
Andy K		1/14/02	1800
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

Notes:

Entech Analytical Labs, Inc.

CA ELAP # I-2346

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

Subcontract Chain of Custody

Subcontract Lab:	Project Name:	Date Sent:	Due Date:	PO Number:
APCL	28510	1/14/02	1/21/02	28510

Sample Number:	Customer Sample Number:	Matrix:	Test:	Method:	Collect Date:	Collect Time:	Bottle Type:	Preservative:
28510-001	MW-1	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	11:38		
28510-002	MW-2	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	12:08		
28510-003	MW-3	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	13:11		
28510-004	STMW-4	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	12:37		
28510-005	STMW-5	Liquid	EPA 8310-APCL	EPA 8310	1/11/02	11:06		

1187

Relinquished By:	Received By:	Date:	Time:
Andy K		1/14/02	1800
Relinquished By:	Received By:	Date:	Time:
		1/15/02	1000A
Relinquished By:	Received By:	Date:	Time:

Notes:

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: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-001 **Client Sample ID:** MW-1

Sample Time: 11:38 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	160	x	1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	38 - 133

Comment: Reported TPH as Diesel value is a result of carry over from light hydrocarbons into the diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

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.

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

Date: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-001 **Client Sample ID:** MW-1

Sample Time: 11:38 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	98	24 - 124

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: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-002 **Client Sample ID:** MW-2

Sample Time: 12:08 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	620	x	1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	38 - 133

Comment: Reported TPH as Diesel value is a result of carry over from light hydrocarbons into the diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

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: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-002 **Client Sample ID:** MW-2

Sample Time: 12:08 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96	24 - 124

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: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-003 **Client Sample ID:** MW-3

Sample Time: 1:11 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		2	250	500	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	1900	x	2	50	100	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	38 - 133

Comment: There are two fuels present, one in the TPH as Diesel quantitation range and a second in the TPH as Hydraulic Oil range. Both are atypical of normal Diesel and Hydraulic Oil patterns and both carry over into each other's range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		2	250	500	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	1100	x	2	250	500	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Comment: There are two fuels present, one in the TPH as Diesel quantitation range and a second in the TPH as Hydraulic Oil range. Both are atypical of normal Diesel and Hydraulic Oil patterns and both carry over into each other's range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		2	50	100	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

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.

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

Date: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-003 **Client Sample ID:** MW-3

Sample Time: 1:11 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		2	50	100	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		2	250	500	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		2	50	100	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		2	250	500	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	86	24 - 124

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.

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

Date: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-004 **Client Sample ID:** STMW-4

Sample Time: 12:37 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	930	x	1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	38 - 133

Comment: Reported TPH as Diesel value is a result of carry over from light hydrocarbons into the diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

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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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: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-004 **Client Sample ID:** STMW-4

Sample Time: 12:37 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	1/14/2002	1/15/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	107	24 - 124

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.

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Date: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-005 **Client Sample ID:** STMW-5

Sample Time: 11:06 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	38 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	450		1	250	250	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

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Date: 01/28/02
Date Received: 1/14/2002
Project Name: 535 Reed Street
Project Number: 1-92-492-ST
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-005 **Client Sample ID:** STMW-5

Sample Time: 11:06 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	410	x	1	50	50	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	26 - 133

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	1/14/2002	1/16/2002	DW4122A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	108	24 - 124

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

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Enviro Soil Tech Consultants
131 Tully Road
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Attn: Frank Hamedi

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-001 **Client Sample ID:** MW-1

Sample Time: 11:38 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	110		1	5	5	µg/L	N/A	1/18/2002	WGC42295	EPA 8020
Benzene	74		1	0.5	0.5	µg/L	N/A	1/18/2002	WGC42295	EPA 8020
Toluene	53		1	0.5	0.5	µg/L	N/A	1/18/2002	WGC42295	EPA 8020
Ethyl Benzene	14		1	0.5	0.5	µg/L	N/A	1/18/2002	WGC42295	EPA 8020
Xylenes, Total	52		1	0.5	0.5	µg/L	N/A	1/18/2002	WGC42295	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	96.2	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Aviation Gas	ND		1	50	50	µg/L	N/A	1/18/2002	WGC42295	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	79.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	600		1	50	50	µg/L	N/A	1/18/2002	WGC42295	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	79.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Mineral Spirits	ND		1	50	50	µg/L	N/A	1/18/2002	WGC42295	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	79.3	65 - 135

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

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Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-002 **Client Sample ID:** MW-2

Sample Time: 12:08 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	ND		10	5	50	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Benzene	280		10	0.5	5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Toluene	86		10	0.5	5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Ethyl Benzene	84		10	0.5	5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Xylenes, Total	110		10	0.5	5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	84	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Aviation Gas	ND		10	50	500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	79	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	3100		10	50	500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	79	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Mineral Spirits	ND		10	50	500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	79	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: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-003 **Client Sample ID:** MW-3

Sample Time: 1:11 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	ND		50	5	250	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Benzene	230		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Toluene	200		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Ethyl Benzene	290		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Xylenes, Total	580		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	96	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Aviation Gas	ND		50	50	2500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	9300		50	50	2500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Mineral Spirits	ND		50	50	2500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

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

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Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-004 **Client Sample ID:** STMW-4

Sample Time: 12:37 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	ND		50	5	250	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Benzene	560		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Toluene	59		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Ethyl Benzene	25		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Xylenes, Total	ND		50	0.5	25	µg/L	N/A	1/17/2002	WGC42294	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Aviation Gas	ND		50	50	2500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	4900		50	50	2500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Mineral Spirits	ND		50	50	2500	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

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

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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-005 **Client Sample ID:** STMW-5

Sample Time: 11:06 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	13		1	5	5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Benzene	76		1	0.5	0.5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Toluene	16		1	0.5	0.5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Ethyl Benzene	16		1	0.5	0.5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020
Xylenes, Total	28		1	0.5	0.5	µg/L	N/A	1/17/2002	WGC42294	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	108	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Aviation Gas	ND		1	50	50	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	88	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	920		1	50	50	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	88	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Mineral Spirits	ND		1	50	50	µg/L	N/A	1/17/2002	WGC42294	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	88	65 - 135

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

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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-001 **Client Sample ID:** MW-1

Sample Time: 11:38 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1,1-Trichloroethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1,2-Trichloroethane	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1-Dichloroethane	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1-Dichloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1-Dichloropropene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,3-Trichloropropane	ND		1	1.2	1.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,4-Trimethylbenzene	7.0		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	1.2	1.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dichlorobenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dichloroethane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dichloropropane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,3,5-Trimethylbenzene	10.0		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,3-Dichlorobenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,3-Dichloropropane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,4-Dichlorobenzene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
2,2-Dichloropropane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Butanone (MEK)	ND		1	4.7	4.7	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Chlorotoluene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Hexanone	ND		1	2.5	2.5	µg/L	1/22/2002	WMS31377	EPA 8260B
4-Chlorotoluene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	2.1	2.1	µg/L	1/22/2002	WMS31377	EPA 8260B
Acetone	ND		1	14	14	µg/L	1/22/2002	WMS31377	EPA 8260B
Benzene	74		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromobenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromochloromethane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromodichloromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromoform	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromomethane	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
Carbon Disulfide	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Carbon Tetrachloride	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	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

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: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-001 **Client Sample ID:** MW-1

Sample Time: 11:38 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Chlorobenzene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
Chloroethane	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
Chloroform	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Chloromethane	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
cis-1,2-Dichloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
cis-1,3-Dichloropropene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Dibromochloromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Dibromomethane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Dichlorodifluoromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Diisopropyl Ether	110		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
Ethyl Benzene	13		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
Hexachlorobutadiene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Isopropylbenzene	3.5	J	1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Methyl-t-butyl Ether	7.9		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Methylene Chloride	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
n-Butylbenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
n-Propylbenzene	5.1		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Naphthalene	ND		1	0.6	0.6	µg/L	1/22/2002	WMS31377	EPA 8260B
p-Isopropyltoluene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
sec-Butylbenzene	0.6	J	1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Styrene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Amyl Methyl Ether	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Butylbenzene	ND		1	0.7	0.7	µg/L	1/22/2002	WMS31377	EPA 8260B
Tetrachloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Toluene	60		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
trans-1,2-Dichloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
trans-1,3-Dichloropropene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Trichloroethene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Trichlorofluoromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Vinyl Chloride	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
Xylenes, Total	54		1	0.6	0.6	µg/L	1/22/2002	WMS31377	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	65 - 135
Dibromofluoromethane	108	57 - 139

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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Date: 01/29/02
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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-001 **Client Sample ID:** MW-1

Sample Time: 11:38 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene-d8	108						77 - 150		

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

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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-002 **Client Sample ID:** MW-2

Sample Time: 12:08 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,1-Trichloroethane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		10	0.4	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,2-Trichloroethane	ND		10	0.4	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloroethane	ND		10	0.1	1	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloroethene	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloropropene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,3-Trichlorobenzene	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,3-Trichloropropane	ND		10	1.2	12	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,4-Trichlorobenzene	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,4-Trimethylbenzene	28	J	10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		10	1.2	12	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dibromoethane (EDB)	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichlorobenzene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichloroethane	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichloropropane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3,5-Trimethylbenzene	33	J	10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3-Dichlorobenzene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3-Dichloropropane	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
1,4-Dichlorobenzene	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
2,2-Dichloropropane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Butanone (MEK)	ND		10	4.7	47	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Chlorotoluene	ND		10	0.1	1	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Hexanone	ND		10	2.5	25	µg/L	1/18/2002	WMS31376	EPA 8260B
4-Chlorotoluene	ND		10	0.1	1	µg/L	1/18/2002	WMS31376	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		10	2.1	21	µg/L	1/18/2002	WMS31376	EPA 8260B
Acetone	ND		10	14	140	µg/L	1/18/2002	WMS31376	EPA 8260B
Benzene	220		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromobenzene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromochloromethane	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromodichloromethane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromoform	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromomethane	ND		10	0.4	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Carbon Disulfide	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Carbon Tetrachloride	ND		10	0.1	1	µg/L	1/18/2002	WMS31376	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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131 Tully Road
San Jose, CA 95111
Attn: Frank Hamedi

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-002 **Client Sample ID:** MW-2

Sample Time: 12:08 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Chlorobenzene	ND		10	0.1	1	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloroethane	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloroform	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloromethane	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
cis-1,2-Dichloroethene	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
cis-1,3-Dichloropropene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Dibromochloromethane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Dibromomethane	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
Dichlorodifluoromethane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Diisopropyl Ether	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
Ethyl Benzene	63		10	0.1	1	µg/L	1/18/2002	WMS31376	EPA 8260B
Hexachlorobutadiene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Isopropylbenzene	6.0	J	10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Methyl-t-butyl Ether	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
Methylene Chloride	ND		10	0.4	4	µg/L	1/18/2002	WMS31376	EPA 8260B
n-Butylbenzene	5.6		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
n-Propylbenzene	13	J	10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Naphthalene	ND		10	0.6	6	µg/L	1/18/2002	WMS31376	EPA 8260B
p-Isopropyltoluene	ND		10	0.1	1	µg/L	1/18/2002	WMS31376	EPA 8260B
sec-Butylbenzene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Styrene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Amyl Methyl Ether	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butanol	ND		10	10	100	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butyl Ethyl Ether	ND		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butylbenzene	ND		10	0.7	7	µg/L	1/18/2002	WMS31376	EPA 8260B
Tetrachloroethene	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
Toluene	71		10	0.5	5	µg/L	1/18/2002	WMS31376	EPA 8260B
trans-1,2-Dichloroethene	ND		10	0.3	3	µg/L	1/18/2002	WMS31376	EPA 8260B
trans-1,3-Dichloropropene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Trichloroethene	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Trichlorofluoromethane	ND		10	0.2	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Vinyl Chloride	ND		10	0.4	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Xylenes, Total	94		10	0.6	6	µg/L	1/18/2002	WMS31376	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	65 - 135
Dibromofluoromethane	104	57 - 139

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: 01/29/02
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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-002 **Client Sample ID:** MW-2

Sample Time: 12:08 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene-d8	107						77 - 150		

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

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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-003 **Client Sample ID:** MW-3

Sample Time: 1:11 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,1-Trichloroethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,2-Trichloroethane	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloroethane	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloropropene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,3-Trichlorobenzene	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,3-Trichloropropane	ND		20	1.2	24	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,4-Trichlorobenzene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,4-Trimethylbenzene	400		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		20	1.2	24	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dibromoethane (EDB)	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichlorobenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichloroethane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichloropropane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3,5-Trimethylbenzene	220		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3-Dichlorobenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3-Dichloropropane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,4-Dichlorobenzene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
2,2-Dichloropropane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Butanone (MEK)	ND		20	4.7	94	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Chlorotoluene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Hexanone	ND		20	2.5	50	µg/L	1/18/2002	WMS31376	EPA 8260B
4-Chlorotoluene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		20	2.1	42	µg/L	1/18/2002	WMS31376	EPA 8260B
Acetone	ND		20	14	280	µg/L	1/18/2002	WMS31376	EPA 8260B
Benzene	150		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromobenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromochloromethane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromodichloromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromoform	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromomethane	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
Carbon Disulfide	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Carbon Tetrachloride	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B

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

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Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-003 **Client Sample ID:** MW-3

Sample Time: 1:11 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Chlorobenzene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloroethane	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloroform	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloromethane	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
cis-1,2-Dichloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
cis-1,3-Dichloropropene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Dibromochloromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Dibromomethane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Dichlorodifluoromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Diisopropyl Ether	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
Ethyl Benzene	250		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Hexachlorobutadiene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Isopropylbenzene	20	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Methyl-t-butyl Ether	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Methylene Chloride	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
n-Butylbenzene	35	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
n-Propylbenzene	60	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Naphthalene	ND		20	0.6	12	µg/L	1/18/2002	WMS31376	EPA 8260B
p-Isopropyltoluene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
sec-Butylbenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Styrene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Amyl Methyl Ether	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butanol	ND		20	10	200	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butyl Ethyl Ether	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butylbenzene	ND		20	0.7	14	µg/L	1/18/2002	WMS31376	EPA 8260B
Tetrachloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Toluene	170		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
trans-1,2-Dichloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
trans-1,3-Dichloropropene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Trichloroethene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Trichlorofluoromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Vinyl Chloride	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
Xylenes, Total	510		20	0.6	12	µg/L	1/18/2002	WMS31376	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	65 - 135
Dibromofluoromethane	107	57 - 139

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: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-003 **Client Sample ID:** MW-3

Sample Time: 1:11 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene-d8	108						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)

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Attn: Frank Hamedi

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-004 **Client Sample ID:** STMW-4

Sample Time: 12:37 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,1-Trichloroethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1,2-Trichloroethane	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloroethane	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,1-Dichloropropene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,3-Trichlorobenzene	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,3-Trichloropropane	ND		20	1.2	24	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,4-Trichlorobenzene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2,4-Trimethylbenzene	25	J	20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		20	1.2	24	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dibromoethane (EDB)	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichlorobenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichloroethane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,2-Dichloropropane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3,5-Trimethylbenzene	30	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3-Dichlorobenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
1,3-Dichloropropane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
1,4-Dichlorobenzene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
2,2-Dichloropropane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Butanone (MEK)	ND		20	4.7	94	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Chlorotoluene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
2-Hexanone	ND		20	2.5	50	µg/L	1/18/2002	WMS31376	EPA 8260B
4-Chlorotoluene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		20	2.1	42	µg/L	1/18/2002	WMS31376	EPA 8260B
Acetone	ND		20	14	280	µg/L	1/18/2002	WMS31376	EPA 8260B
Benzene	460		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromobenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromochloromethane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromodichloromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromoform	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
Bromomethane	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
Carbon Disulfide	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Carbon Tetrachloride	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	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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San Jose, CA 95111
Attn: Frank Hamedi

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-004 **Client Sample ID:** STMW-4

Sample Time: 12:37 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Chlorobenzene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloroethane	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloroform	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Chloromethane	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
cis-1,2-Dichloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
cis-1,3-Dichloropropene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Dibromochloromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Dibromomethane	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Dichlorodifluoromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Diisopropyl Ether	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
Ethyl Benzene	22	J	20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
Hexachlorobutadiene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Isopropylbenzene	13	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Methyl-t-butyl Ether	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Methylene Chloride	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
n-Butylbenzene	7.6	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
n-Propylbenzene	20	J	20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Naphthalene	ND		20	0.6	12	µg/L	1/18/2002	WMS31376	EPA 8260B
p-Isopropyltoluene	ND		20	0.1	2	µg/L	1/18/2002	WMS31376	EPA 8260B
sec-Butylbenzene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Styrene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Amyl Methyl Ether	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butanol	ND		20	10	200	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butyl Ethyl Ether	ND		20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
tert-Butylbenzene	ND		20	0.7	14	µg/L	1/18/2002	WMS31376	EPA 8260B
Tetrachloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
Toluene	48	J	20	0.5	10	µg/L	1/18/2002	WMS31376	EPA 8260B
trans-1,2-Dichloroethene	ND		20	0.3	6	µg/L	1/18/2002	WMS31376	EPA 8260B
trans-1,3-Dichloropropene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Trichloroethene	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Trichlorofluoromethane	ND		20	0.2	4	µg/L	1/18/2002	WMS31376	EPA 8260B
Vinyl Chloride	ND		20	0.4	8	µg/L	1/18/2002	WMS31376	EPA 8260B
Xylenes, Total	63	J	20	0.6	12	µg/L	1/18/2002	WMS31376	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	65 - 135
Dibromofluoromethane	105	57 - 139

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

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-004 **Client Sample ID:** STMW-4

Sample Time: 12:37 PM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene-d8	109						77 - 150		

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Attn: Frank Hamedi

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-005 **Client Sample ID:** STMW-5

Sample Time: 11:06 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1,1-Trichloroethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1,2-Trichloroethane	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1-Dichloroethane	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1-Dichloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,1-Dichloropropene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,3-Trichloropropane	ND		1	1.2	1.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2,4-Trimethylbenzene	6.8		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	1.2	1.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dichlorobenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dichloroethane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,2-Dichloropropane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,3,5-Trimethylbenzene	7.9		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,3-Dichlorobenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
1,3-Dichloropropane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
1,4-Dichlorobenzene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
2,2-Dichloropropane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Butanone (MEK)	ND		1	4.7	4.7	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Chlorotoluene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
2-Hexanone	ND		1	2.5	2.5	µg/L	1/22/2002	WMS31377	EPA 8260B
4-Chlorotoluene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	2.1	2.1	µg/L	1/22/2002	WMS31377	EPA 8260B
Acetone	ND		1	14	14	µg/L	1/22/2002	WMS31377	EPA 8260B
Benzene	87		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromobenzene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromochloromethane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromodichloromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromoform	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
Bromomethane	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
Carbon Disulfide	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Carbon Tetrachloride	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B

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

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Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-005 **Client Sample ID:** STMW-5

Sample Time: 11:06 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Chlorobenzene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
Chloroethane	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
Chloroform	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Chloromethane	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
cis-1,2-Dichloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
cis-1,3-Dichloropropene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Dibromochloromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Dibromomethane	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Dichlorodifluoromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Diisopropyl Ether	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
Ethyl Benzene	18		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
Hexachlorobutadiene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Isopropylbenzene	5.1		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Methyl-t-butyl Ether	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Methylene Chloride	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
n-Butylbenzene	5.6		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
n-Propylbenzene	16		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Naphthalene	ND		1	0.6	0.6	µg/L	1/22/2002	WMS31377	EPA 8260B
p-Isopropyltoluene	ND		1	0.1	0.1	µg/L	1/22/2002	WMS31377	EPA 8260B
sec-Butylbenzene	1.3	J	1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Styrene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Amyl Methyl Ether	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
tert-Butylbenzene	ND		1	0.7	0.7	µg/L	1/22/2002	WMS31377	EPA 8260B
Tetrachloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
Toluene	16		1	0.5	0.5	µg/L	1/22/2002	WMS31377	EPA 8260B
trans-1,2-Dichloroethene	ND		1	0.3	0.3	µg/L	1/22/2002	WMS31377	EPA 8260B
trans-1,3-Dichloropropene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Trichloroethene	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Trichlorofluoromethane	ND		1	0.2	0.2	µg/L	1/22/2002	WMS31377	EPA 8260B
Vinyl Chloride	ND		1	0.4	0.4	µg/L	1/22/2002	WMS31377	EPA 8260B
Xylenes, Total	32		1	0.6	0.6	µg/L	1/22/2002	WMS31377	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	65 - 135
Dibromofluoromethane	105	57 - 139

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.

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

Date: 01/29/02
Date Received: 1/14/2002
Project Name: 5175 Broadway Street
Project Number: 8-90-420-GI
P.O. Number: 8-90-420-GI
Sampled By: Client

Certified Analytical Report

Order ID: 28510 **Lab Sample ID:** 28510-005 **Client Sample ID:** STMW-5

Sample Time: 11:06 AM **Sample Date:** 1/11/2002 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene-d8	107						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

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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

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Quality Control Results Summary

QC Batch #: DW4122A
Matrix: Liquid
Units: µg/L
Date Analyzed: 1/15/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Diesel											
TPH as Diesel	EPA 8015	ND		1000		923.98	LCS	92.4			37.6 - 129.8
	Surrogate			**Surrogate Recovery**			**Control Limits (%)**				
	o-Terphenyl			113			38 - 133				
Test: TPH as Diesel											
TPH as Diesel	EPA 8015	ND		1000		879.25	LCSD	87.9	4.96	25.00	37.6 - 129.8
	Surrogate			**Surrogate Recovery**			**Control Limits (%)**				
	o-Terphenyl			98			38 - 133				

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Quality Control Results Summary

QC Batch #: WMS31376
Matrix: Liquid
Units: µg/L
Date Analyzed: 1/18/2002

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		19.8	LCS	99.0			65.0 - 135.0
Benzene	EPA 8260B	ND		20		20.5	LCS	102.5			65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		20		20.2	LCS	101.0			65.0 - 135.0
Methyl-t-butyl Ether	EPA 8260B	ND		20		20.4	LCS	102.0			56.0 - 135.0
Toluene	EPA 8260B	ND		20		20.0	LCS	100.0			65.0 - 135.0
Trichloroethene	EPA 8260B	ND		20		21.4	LCS	107.0			65.0 - 135.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	65 - 135
Dibromofluoromethane	107	57 - 139
Toluene-d8	108	77 - 150

Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20		18.8	LCSD	94.0	5.18	25.00	65.0 - 135.0
Benzene	EPA 8260B	ND		20		19.6	LCSD	98.0	4.49	25.00	65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		20		19.7	LCSD	98.5	2.51	25.00	65.0 - 135.0
Methyl-t-butyl Ether	EPA 8260B	ND		20		18.8	LCSD	94.0	8.16	25.00	56.0 - 135.0
Toluene	EPA 8260B	ND		20		19.3	LCSD	96.5	3.56	25.00	65.0 - 135.0
Trichloroethene	EPA 8260B	ND		20		20.5	LCSD	102.5	4.30	25.00	65.0 - 135.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	65 - 135
Dibromofluoromethane	105	57 - 139
Toluene-d8	110	77 - 150

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Quality Control Results Summary

QC Batch #: WMS31377
Matrix: Liquid
Units: µg/L
Date Analyzed: 1/21/2002

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 624											
1,1-Dichloroethene	EPA 624	ND		20		16.3	LCS	81.5			65.0 - 135.0
Benzene	EPA 624	ND		20		17.8	LCS	89.0			65.0 - 135.0
Chlorobenzene	EPA 624	ND		20		17.2	LCS	86.0			65.0 - 135.0
Methyl-t-butyl Ether	EPA 624			20		18.2	LCS	91.0			65.0 - 135.0
Toluene	EPA 624	ND		20		16.4	LCS	82.0			65.0 - 135.0
Trichloroethene	EPA 624	ND		20		18.5	LCS	92.5			65.0 - 135.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97	65 - 135
Dibromofluoromethane	106	57 - 156
Toluene-d8	103	77 - 150

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 624											
1,1-Dichloroethene	EPA 624	ND		20		17.6	LCSD	88.0	7.67	25.00	65.0 - 135.0
Benzene	EPA 624	ND		20		19.4	LCSD	97.0	8.60	25.00	65.0 - 135.0
Chlorobenzene	EPA 624	ND		20		20.3	LCSD	101.5	16.53	25.00	65.0 - 135.0
Methyl-t-butyl Ether	EPA 624			20		19.7	LCSD	98.5	7.92	25.00	65.0 - 135.0
Toluene	EPA 624	ND		20		19.8	LCSD	99.0	18.78	25.00	65.0 - 135.0
Trichloroethene	EPA 624	ND		20		20.6	LCSD	103.0	10.74	25.00	65.0 - 135.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	65 - 135
Dibromofluoromethane	105	57 - 156
Toluene-d8	110	77 - 150

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: WGC42294 **Units:** µg/L
Matrix: Liquid **Date Analyzed:** 1/17/2002

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	ND		561		471.9	LCS	84.1			59.2 - 111.9
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	aaa-Trifluorotoluene		97			65 - 135					
Test: BTEX+MTBE											
Benzene	EPA 8020	ND		6.2		6.341	LCS	102.3			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.059	LCS	90.5			65.0 - 135.0
MTBE	EPA 8020	ND		50		47.948	LCS	95.9			65.0 - 135.0
Toluene	EPA 8020	ND		35.8		31.926	LCS	89.2			65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		38.785	LCS	90.2			65.0 - 135.0
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	aaa-Trifluorotoluene		101			65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015	ND		561		471.69	LCSD	84.1	0.04	25.00	59.2 - 111.9
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	aaa-Trifluorotoluene		99			65 - 135					
Test: BTEX+MTBE											
Benzene	EPA 8020	ND		6.2		6.281	LCSD	101.3	0.95	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.725	LCSD	99.0	9.01	25.00	65.0 - 135.0
MTBE	EPA 8020	ND		50		38.864	LCSD	77.7	20.93	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		35.8		31.807	LCSD	88.8	0.37	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		39.263	LCSD	91.3	1.22	25.00	65.0 - 135.0
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	aaa-Trifluorotoluene		107			65 - 135					

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Quality Control Results Summary

QC Batch #: WGC42295
Matrix: Liquid

Units: µg/L
Date Analyzed: 1/18/2002

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		561		501.71	LCS	89.4			59.2 - 111.9
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			101.0			65 - 135					
Test: TPH as Mineral Spirits											
TPH as Mineral Spirits	EPA 8015 M	ND		500		502	LCS	100.4			75.0 - 125.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			101.0			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		6.2		7.020	LCS	113.2			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.533	LCS	96.6			65.0 - 135.0
Toluene	EPA 8020	ND		35.8		34.444	LCS	96.2			65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		40.426	LCS	94.0			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			108.0			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		52.8		49.380	LCS	93.5			65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			108.0			65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		561		481.93	LCSD	85.9	4.02	25.00	59.2 - 111.9
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			102.0			65 - 135					
Test: TPH as Mineral Spirits											
TPH as Mineral Spirits	EPA 8015 M	ND		500		482	LCSD	96.4	4.07		75.0 - 125.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			102.0			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		6.2		6.598	LCSD	106.4	6.20	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.447	LCSD	95.5	1.15	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		35.8		33.976	LCSD	94.9	1.37	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		39.770	LCSD	92.5	1.64	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			110.0			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		52.8		39.643	LCSD	75.1	21.88	25.00	65.0 - 135.0
Surrogate			**Surrogate Recovery**			**Control Limits (%)**					
aaa-Trifluorotoluene			110.0			65 - 135					

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-420-GI	5175 Broadway St., Oakland

SAMPLERS: *(Signature)* [signature]

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	EPA 8015 Mod.	EPA 8310	EPA 8260 (low)			REMARKS
1	1/11/02	11:38		✓	MW-1	8	✓	✓	✓			28510-001
2	↓	12:08		✓	MW-2	8	✓	✓	✓			002
3	↓	13:11		✓	MW-3	8	✓	✓	✓			003
4	↓	12:37		✓	STMW-4	8	✓	✓	✓			004
5	1/11/02	11:06		✓	STMW-5	8	✓	✓	✓			005

02 JAN 14 11:59

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
[signature]	1/14/02 11:15	[signature]			
[signature]	1/14 12:00	[signature]			
		Received for Laboratory by: *(Signature)*	Date / Time	Remarks: Please send lab report to Frank Hamedi	

Manosour - 925 - 244 - 6600

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