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Alameda County
Environmental Health

V I P SERVICE STATION
385 Century Circle
Danville, CA 94526
925-838-0768

May 18, 2007

Mr. Steven Plunkett
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT (FEBRUARY 13, 2007 SAMPLING EVENT) CERTIFICATION
VIP Service
3889 Castro Valley Blvd.
Castro Valley, CA

Dear Mr. Plunkett:

You will find enclosed one copy of the following document prepared by P&D Environmental, Inc.

- Semi-Annual Groundwater Monitoring and Sampling Report dated April 18, 2007 (document 0047.R38) for monitoring and sampling on February 13, 2007.

I declare, under penalty of perjury, that the information and/or recommendations contained in the above-mentioned document for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 459-6525.

Sincerely,

VIP Service

LBPatel
Lalji Patel

Enclosure

0047.L89

P&D ENVIRONMENTAL, INC.

55 Santa Clara Avenue, Suite 240
Oakland, CA 94610
(510) 658-6916

April 18, 2007
Report 0047.R38

Mr. L.B. Patel
Mr. P. Gupta
VIP Service
385 Century Circle
Danville, CA 94526

SUBJECT: SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT
(FEBRUARY 13, 2007 SAMPLING EVENT)
VIP Service
3889 Castro Valley Blvd.
Castro Valley, CA

Gentlemen:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting the results of the most recent semi-annual monitoring and sampling of groundwater monitoring wells MW1, MW2, and MW3 at the subject site. This work was performed in accordance with P&D's proposal 033099.P1 dated March 30, 1999 and requirements set forth in a letter from Mr. Scott Seery of the Alameda County Department of Environmental Health (ACDEH) dated March 18, 1994 for the subject site. Based upon a telephone conversation with Mr. Seery on July 31, 1995, the sampling of monitoring wells MW1 and MW2 was reduced to semi-annually. Based upon subsequent conversations, the sampling and monitoring of well MW3 was also reduced to semi-annually. In addition, it was agreed that no further analysis for Total Petroleum Hydrocarbons as Diesel (TPH-D) was required for well MW3.

The monitoring and sampling was performed on February 13, 2007. The reporting period is for September 2006 through February 2007. A Site Location Map (Figure 1) and Site Plan (Figure 2) are attached with this report.

BACKGROUND

It is P&D's understanding that the site was purchased by VIP Service in December 1984. Prior to purchase of the property by VIP Service, the site was operated as a retail gasoline station for an undetermined period of time. The site was operated by VIP Service as a retail gasoline station from the time of purchase until the tanks were removed by Accutite on April 26, 1993. The underground tank system consisted of three 10,000-gallon capacity gasoline tanks, two dispenser islands, and one 550-gallon waste oil tank. It is P&D's understanding that the fuel tanks contained leaded and unleaded gasoline while in use by VIP Service. In addition, VIP Service reported that diesel fuel was not stored at the site at any time.

It is P&D's understanding that at the time of tank removal, eight soil samples were collected from the sidewalls of the fuel tank pit, and one soil sample was collected from the waste oil tank pit. Groundwater was reported to have been encountered in the fuel tank pit at a depth of approximately 11 feet. One water sample was collected from the water in the fuel tank pit. On April 28, 1993 Accutite returned to the site and collected seven soil samples from beneath the dispenser islands.

All of the samples were analyzed at Sequoia Analytical in Redwood City, California, for Total Petroleum Hydrocarbons as Gasoline (TPH-G); Benzene, Toluene, Ethylbenzene and Xylenes (BTEX); and for Total Lead. In addition, the samples from the waste oil tank were analyzed for TPH-D; Total Oil and Grease (TOG); Halogenated Volatile Organic Compounds (HVOCs) using EPA Method 8010; Semi-Volatile Organic Compounds (SVOCs) using EPA Method 8270; and for the metals Cadmium, Chromium, Lead, Nickel and Zinc.

The results of the soil samples collected from the fuel tank pit showed TPH-G concentrations ranging from 120 to 6,200 parts per million (ppm), and total lead results ranging from not detected to 13 ppm. The results of the water sample from the fuel tank pit showed 140 ppm TPH-G, and 0.095 ppm total lead.

The results of the soil samples collected from beneath the fuel dispensers showed TPH-G values ranging from not detected to 4.7 ppm, and total lead values ranging from not detected to 7.6 ppm.

The results of the sample collected from the waste oil tank pit showed 670 ppm TPH-G; 410 ppm TPH-D; 1,300 ppm TOG; 0.023 ppm 1,2-Dichloroethane and 0.0094 ppm Tetrachloroethylene in the EPA Method 8010 analysis; 2.7 ppm 2-Methylnapthalene and 3.8 ppm Naphthalene in the EPA Method 8270 analysis; and various metals concentrations, none of which exceeded ten times their respective STLC values. The laboratory identified the TPH-D results as being a "non-diesel mix," and indicated that the compounds reported as diesel were diesel-range gasoline and diesel-range oil compounds.

Between August 27 and November 1, 1993 P&D personnel collected stockpiled soil samples for stockpiled soil disposal characterization and oversaw the excavation of approximately 680 cubic yards of soil from the vicinity of the fuel tank pit in an effort to remove petroleum hydrocarbon-impacted soil. In addition, during this time the soil that was stockpiled by Accutite during the tank removal activities and during the subsequent soil excavation activities was disposed of at an appropriate disposal facility, and the tank pit backfilled and compacted. A total of eight confirmation soil samples were collected from the sidewalls of the tank pit on November 19, 1993 at a depth of 10 feet after over-excavation and prior to backfilling. The analytical results of the samples ranged from 33 to 3,200 ppm TPH-G. Documentation of excavation, stockpiled soil characterization and disposal, and backfilling of the pit are provided in P&D's report 0047.R1 dated January 24, 1994. The samples results associated with the removal of the tanks by Accutite are also summarized in P&D's report 0047.R1.

On November 10, 1993 P&D personnel oversaw the installation of three groundwater monitoring wells, designated MW1 through MW3, and one exploratory soil boring designated B1, at the subject site. The wells were developed on November 12 and sampled on November 16, 1993. The results of the water samples showed that TPH-G was not detected in wells MW1 and MW2, and that BTEX was not detected in MW2. In well MW1, 0.0022 ppm of benzene was detected.

In well MW3, TPH-G was detected at 12 ppm; benzene was detected at 3.3 ppm; TRPH was not detected; EPA Method 8010 compounds were not detected except for 0.027 ppm 1,2-Dichloroethane; and EPA Method 8270 compounds were not detected except for 0.009 ppm Phenol, 0.006 ppm Benzyl Alcohol, 0.006 2-Methylphenol, 0.007 ppm 2,4-Dimethylphenol, 0.088 ppm Benzoic Acid, 0.042 ppm Naphthalene, and 0.015 2-Methylnaphthalene.

Documentation of the monitoring well and soil boring installation and associated sample results are presented in P&D's report 0047.R2 dated January 24, 1994. The locations of the monitoring wells are shown in Figure 2.

In response to a letter dated March 18, 1994 from Mr. Scott Seery of the ACDEH which commented upon the results of the initial groundwater sampling associated with the installation of the monitoring wells at the subject site, a quarterly groundwater monitoring and sampling program was initiated. Based upon subsequent conversations with Mr. Seery, the monitoring and sampling frequency was reduced to semi-annually.

FIELD ACTIVITIES

On February 13, 2007, all three of the monitoring wells at the site were monitored and sampled. The wells were monitored for depth to water and the presence of free product or sheen. Depth to water was measured to the nearest 0.01 foot using an electric water level indicator. The presence of free product or sheen was evaluated using a transparent bailer. No free product or sheen was observed in wells MW1 and MW2, and a slight sdheen was observed in well MW3. Additionally, petroleum hydrocarbon odors and a slight sheen were noted in the purge water from well MW3. Depth to water level measurements are presented in Table 1.

Prior to sampling, the monitoring wells were purged of a minimum of three casing volumes of water. During purging operations, the field parameters of electrical conductivity, temperature and pH were monitored. Once the field parameters were observed to stabilize, and a minimum of three casing volumes had been purged, a water sample was collected using a clean Teflon bailer.

The water samples were transferred to 40-milliliter glass Volatile Organic Analysis (VOA) vials and 1-liter amber glass bottles, as appropriate, which were sealed with Teflon-lined screw caps. The VOA vials were overturned and tapped to ensure that no air bubbles were present.

The VOA vials and bottles were labeled and then transferred to a cooler with ice, until they were transported to McCampbell Analytical, Inc. in Pittsburg, California. McCampbell Analytical, Inc. is a State-Certified hazardous waste testing laboratory. Chain of custody documentation accompanied the samples to the laboratory. Records of the field parameters measured during well purging are attached with this report. Water purged from the wells during purging operations was stored in a Department of Transportation (DOT) approved 55-gallon drum at the site pending appropriate disposal.

HYDROGEOLOGY

Water levels were measured in the monitoring wells once during the report period. The measured depth to water at the site on February 13, 2007 ranged from 6.85 to 7.56 feet.

The groundwater level increased in wells MW1 and MW3, by 0.62 and 0.06 feet, respectively, and decreased in well MW2 by 0.28 feet since the previous monitoring and sampling event on August 9, 2006. The calculated groundwater flow direction at the site on February 13, 2007 was to the west-southwest with a gradient of 0.021. The groundwater flow direction has shifted toward the southwest and the gradient has increased from 0.014 since the previous semi-annual monitoring on August 9, 2006.

Groundwater level data collected during the monitoring period are presented in Table 1. The groundwater flow direction at the site on February 13, 2007 is shown on Figure 2.

LABORATORY RESULTS

The groundwater samples from monitoring wells MW1, MW2, and MW3 were analyzed for TPH-G using Modified EPA Method 8015C; and for benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) using EPA Method 8021B. In addition, the groundwater sample from MW3 (located near the former waste oil tank) was analyzed for Halogenated Volatile Organic Compounds (HVOCs) using EPA Method 8260B and for Semi-Volatile Organic Compounds (SVOCs) using EPA Method 8270C.

TPH-G, MTBE, and BTEX were not detected in the groundwater samples collected from wells MW1 and MW2. The laboratory analytical results of the groundwater sample collected from monitoring well MW3 show that TPH-G was detected at a concentration of 4.3 mg/L. EPA Method 8021B analytical results for BTEX showed that benzene was detected at a concentration of 0.61 mg/L, and toluene, ethylbenzene, and xylenes were detected at concentrations of 0.014, 0.094, and 0.13 mg/L, respectively, and that MTBE was not detected. BTEX results from EPA Method 8260B showed that toluene was not detected and that the remaining compounds were detected at concentrations of 0.79, 0.12, and 0.15 mg/L, respectively. None of the other EPA Method 8260B compounds were detected except for n-Butyl benzene, 1,2,4-Trimethylbenzene, Naphthalene, n-Propyl benzene, and 1,3,5-Trimethylbenzene at concentrations ranging from 0.022 to 0.092 mg/L. None of the EPA Method 8270D compounds were detected with the exception of Naphthalene at a concentration of 0.022 mg/L. The laboratory analytical results are summarized in Table 2. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report.

DISCUSSION AND RECOMMENDATIONS

The sample results for wells MW1 and MW2 remained unchanged since the last sampling event on August 9, 2006 with no analytes detected. The analytical results for well MW3 show that the concentrations of TPH-G and benzene have increased, the concentrations of toluene and ethylbenzene decreased, and concentrations of MTBE and xylenes have remained unchanged since the previous monitoring and sampling event on August 9, 2006. Based on the analytical results, P&D recommends that the semi-annual monitoring and sampling be continued. Continuation of the monitoring and sampling program should be re-evaluated upon regulatory agency review of the Remedial Investigation/Feasibility Study Work Plan implementation results.

DISTRIBUTION

Copies of this report will be uploaded to the ACDEH and State Water Resources Control Board GeoTracker databases.

LIMITATIONS

This report was prepared solely for the use of VIP Service. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.

Paul H. King
Professional Geologist # 5901
Expires: 12/31/07

Attachments: Tables 1 & 2
Site Location Map (Figure 1)
Site Plan (Figure 2)
Field Parameter Forms
Laboratory Analytical Reports andChain of Custody Documentation

PHK/DMG/sjc
0047.R38

TABLES

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW1	02/13/07	180.83	6.85	173.98
	08/09/06		7.47	173.36
	01/31/06		7.53	173.30
	07/29/05		7.90	172.93
	01/31/05		8.37	172.46
	07/14/04		9.47	171.36
	12/18/03		9.26	171.57
	06/19/03		9.00	171.83
	12/21/02		9.09	171.74
	04/30/02		9.03	171.80
	10/16/01		9.33	171.50
	11/08/00		9.04	171.79
	05/24/00		7.97	172.86
	09/10/99		8.79	172.04
	02/10/99		7.72	173.11
	02/24/98		6.61	174.22
	11/18/97		9.71	171.12
	08/12/97		9.39	171.44
	04/25/97		8.37	172.46
	01/31/97		7.62	173.21
	07/19/96		8.81	172.02
	04/23/96		8.17	172.66
	01/17/96		9.66	171.17
	10/26/95		10.00	170.83
	08/15/95		9.23	171.60
	05/02/95		8.56	172.27
	01/30/95		9.50	171.33
	10/31/94		11.55	169.28
	07/29/94		10.86	169.97
	04/25/94		10.70	170.13
	11/16/93		11.63	169.20
	11/12/93*		11.53	169.30

NOTES:

Elevations are in feet above Mean Sea Level.
ft. = Feet.
* = Depth to water measurements prior to groundwater monitoring well development.

TABLE 1
WELL MONITORING DATA
(Continued)

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW2	02/13/07	179.70	7.56	172.14
	08/09/06		7.28	172.42
	01/31/06		7.10	172.60
	07/29/05		7.70	172.00
	01/31/05		7.94	171.76
	07/14/04		9.14	170.56
	12/18/03		8.76	170.94
	06/19/03		8.68	171.02
	12/21/02		7.95	171.75
	04/30/02		8.76	170.94
	10/16/01		9.76	169.94
	11/08/00		8.63	171.07
	05/24/00		7.65	172.05
	09/10/99		8.48	171.22
	02/10/99		7.05	172.65
	02/24/98		6.20	173.50
	11/18/97		9.26	170.44
	08/12/97		9.06	170.64
	04/25/97		8.10	171.60
	01/31/97		7.22	172.48
	07/19/96		8.57	171.13
	04/23/96		7.85	171.85
	01/17/96		8.94	170.76
	10/26/95		9.68	170.02
	08/15/95		8.91	170.79
	05/02/95		8.17	171.53
	01/30/95		8.68	171.02
	10/31/94		10.99	168.71
	07/29/94		10.34	169.36
	04/25/94		10.04	169.66
	11/16/93		11.10	168.60
	11/12/93*		10.95	168.75

NOTES:

Elevations are in feet above Mean Sea Level.
ft. = Feet.
* = Depth to water measurements prior to groundwater monitoring well development.

TABLE 1
WELL MONITORING DATA
(Continued)

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW3	02/13/07	178.98	7.21	171.77
	08/09/06		7.27	171.71
	01/31/06		7.14	171.84
	07/29/05		7.68	171.30
	01/31/05		7.86	171.12
	07/14/04		8.91	170.07
	12/18/03		8.55	170.43
	06/19/03		8.48	170.50
	12/21/02		7.88	171.10
	04/30/02		8.56	170.42
	10/16/01		10.14	168.84
	11/08/00		8.45	170.53
	05/24/00		7.62	171.36
	09/10/99		8.34	170.64
	02/10/99		7.12	171.86
	02/24/98		6.55	172.43
	11/18/97		8.97	170.01
	08/12/97		8.85	170.13
	04/25/97		7.99	170.99
	01/31/97		7.30	171.68
	07/19/96		8.42	170.56
	04/23/96		7.76	171.22
	01/17/96		8.61	170.37
	10/26/95		9.39	169.59
	08/15/95		8.62	170.36
	05/02/95		8.04	170.94
	01/30/95		8.46	170.52
	10/31/94		10.58	168.40
	07/29/94		10.03	168.95
	04/25/94		9.64	169.34
	11/16/93		10.63	168.35
	11/12/93*		10.66	168.32

NOTES:

Elevations are in feet above Mean Sea Level.
ft. = Feet.
* = Depth to water measurements prior to groundwater monitoring well development.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS

Sample Location	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on February 13, 2007			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[6]	4.3	ND<0.05	0.61	0.014	0.094	0.13
			Samples Collected on August 9, 2006			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[5]	2.9	ND<0.05	0.58	0.021	0.10	0.13

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
MTBE = Methyl Tertiary-Butyl Ether.
ND = Not Detected.
6 = EPA Method 8260B compounds were not detected except for 0.79 mg/L Benzene, 0.12 mg/L Ethylbenzene, 0.15 mg/L Xylenes, 0.028 mg/L n-Butyl benzene, 0.092 mg/L 1,2,4-Trimethylbenzene, 0.022 mg/L Naphthalene, 0.032 mg/L n-Propyl benzene, and 0.031 mg/L 1,3,5-Trimethybenzene. . EPA Method 8021B compounds are reported in the table. EPA Method 8270C compounds were not detected except 0.022 mg/L Naphthalene.
5 = EPA Method 8260B compounds were not detected. EPA Method 8270D compounds were not detected except for 0.029 mg/L naphthalene and 0.011 mg/L 2-methylnaphthalene.
Results are in milligrams per liter (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS

Sample Location	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on January 31, 2006			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[4]	2	ND<0.015	0.47	0.014	0.071	0.077
			Samples Collected on July 29, 2005			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[3]	11	ND<0.11	2.1	0.077	0.35	0.41
			Samples Collected on January 31, 2005			
MW1	ND<0.05	0.021	1.6	0.028	0.19	0.14
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[1, 2]	2.9	ND<0.050	0.96	0.013	0.037	0.089

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
4 = EPA Method 8260B compounds were not detected. EPA Method 8270D compounds were not detected except for 0.015 mg/L naphthalene.
3 = EPA Method 8260B compounds were not detected. EPA Method 8270D compounds were not detected except for 0.023 mg/L 2-methylnaphthalene and 0.068 mg/L naphthalene.
1 = EPA Method 8260B (not EPA Method 8021B) results are reported in the table. Additional EPA Method 8260B compounds detected were 0.018 mg/L isopropylbenzene, 0.043 mg/L 1,2,4-Trimthylbenzene, 0.062 mg/L naphthalene, and 0.046 mg/L n-Propyl benzene.
2 = EPA Method 8270D compounds were not detected.
Results are in milligrams per liter (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on July 14, 2004			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[a]	4.1	ND<0.050	0.98	0.037	0.12	0.15
			Samples Collected on December 18, 2003			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[b]	9.7	ND<0.1	2.3	0.093	0.28	0.35
			Samples Collected on June 19, 2003			
MW1	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW2	ND<0.05	ND<0.005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
MW3[c]	16,d	ND<0.25	3.5	0.11	0.43	0.64

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
NA = Not Analyzed.
a = EPA Method 8010 Basic Target List compounds were not detected (using Method 8260B); and EPA Method 8270D compounds were not detected except for 0.055 mg/L naphthalene, and 0.016 mg/L 2-methyl naphthalene.
b = EPA Method 8021B compounds were not detected; and EPA Method 8270D compounds were not detected except for 0.063 mg/L naphthalene, and 0.021 mg/L 2-methyl naphthalene.
c = EPA Method 8010 compounds were not detected; and EPA Method 8270D compounds were not detected except for 0.024 mg/L phenol, 0.056 mg/L naphthalene, and 0.027 mg/L 2-methyl naphthalene.
d = Laboratory Analytical Report Note: lighter than water immiscible sheen on sample.
Results are in milligrams per liter (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on December 21, 2002			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3[d]	15	ND<0.45	3.3	0.18	0.48	1.0
			Samples Collected on April 30, 2002			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3[e]	11	ND<200	2.2	0.12	0.37	0.59
			Samples Collected on October 16, 2001			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3[f]	2.1	ND	0.52	0.030	0.077	0.130

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
NA = Not Analyzed.
d = In MW3 EPA Method 8021B compounds were not detected except for 0.011 mg/L 1,2-dichloroethane; and EPA Method 8270D compounds were not detected except for 0.035 mg/L naphthalene and 0.014 mg/L 2-methyl naphthalene.
e = In MW3, EPA Method 8010 compounds were not detected; and EPA Method 8270 compounds were not detected except for 0.053 mg/L naphthalene.
f = In MW3 EPA Method 8010 compounds were not detected except for 0.0013 mg/L 1,2-dichloroethane; and EPA Method 8270 compounds were not detected.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on November 8, 2000			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3**	0.54	ND	0.15	0.0069	0.018	0.029
			Samples Collected on May 24, 2000			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3***	2.1	0.032	0.47	0.027	0.062	0.13
			Samples Collected on September 10, 1999			
MW1	ND	0.049	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3****	0.39	ND	0.098	0.0073	0.012	0.028

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
MTBE = Methyl tert-Butyl Ether.
ND = Not Detected.
NA = Not Analyzed.
** = In MW3 EPA Method 8010 compounds were not detected except for 0.0013 mg/L 1,2-dichloroethane; and EPA Method 8270 compounds were not detected.
*** = In MW3 EPA Method 8010 compounds were not detected except for 0.0017 mg/L 1,2-Dichloroethane; and EPA Method 8270 compounds were not detected.
**** = In MW3 EPA Method 8010 compounds were not detected except for 0.002 mg/L 1,2-Dichloroethane; and EPA Method 8270 compounds were not detected.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on February 10, 1999			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3*****	NA	4.1	1.7	0.96	0.27	0.42
			Samples Collected on February 24, 1998			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3+	NA	19	4.6	0.33	0.65	1.8
			Samples Collected on November 18, 1997			
MW1	NA	NA	NA	NA	NA	NA
MW2	NA	NA	NA	NA	NA	NA
MW3++	NA	2.1	0.48	0.052	0.071	0.19

NOTES:
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
NA = Not Analyzed.
*****= In MW3, MTBE was not detected; EPA Method 8010 compounds were not detected except for 0.0028 mg/L 1,2-Dichloroethane; and EPA Method 8270 compounds were not detected except for 0.021 mg/L Naphthalene.
+ = In MW3, MTBE was not detected; EPA Method 8010 compounds were not detected except for 0.011 mg/L 1,2-Dichloroethane; and EPA Method 8270 compounds were not detected except for Naphthalene, 2-Methylnaphthalene and Phenol which were detected at concentrations of 0.083, 0.019, and 0.023 mg/L, respectively.
++ = In MW3, MTBE was not detected; EPA Method 8010 compounds were not detected except for 0.0021 mg/L 1,2 Dichloroethane; and EPA Method 8270 compounds were not detected except for Naphthalene and 2-Methylnaphthalene which were detected at concentrations of 0.058 and 0.026 mg/L, respectively.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on August 12, 1997			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3+++	NA	16	4.2	0.45	0.54	1.9
			Samples Collected on April 25, 1997			
MW1	NA	NA	NA	NA	NA	NA
MW2	NA	NA	NA	NA	NA	NA
MW3++++	NA	30	5.3	0.52	0.95	3.0
			Samples Collected on January 31, 1997			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3+++++	NA	5.5	1.6	0.10	0.19	0.41

NOTES:
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
NA = Not Analyzed.
+++ = In MW3, MTBE was not detected; EPA Method 8010 compounds were not detected except for 0.0091 mg/L 1,2-Dichloroethane; and EPA Method 8270 compounds were not detected except for Bis(2-ethylhexyl) Phthalate, Naphthalene, and 2-Methylnaphthalene which were detected at concentrations of 0.021, 0.087, and 0.024 mg/L, respectively.
++++ = In MW3, MTBE was not detected; EPA Method 8010 compounds were not detected except for 0.012 mg/L 1,2 Dichloroethane; and EPA Method 8270 compounds were not detected except for Phenol, 4-Methylphenol, 2,4-Dimethylphenol, Naphthalene, and 2-Methylnaphthalene which were detected at concentrations of 0.0028, 0.0024, 0.0028, 0.066 mg/L, and 0.015 mg/L, respectively.
+++++ = In MW3, MTBE was detected at a concentration of 0.063 mg/L; EPA Method 8010 compounds were not detected except for 0.014 mg/L 1,2 Dichloroethane; and EPA Method 8270 compounds were not detected except for Phenol, 2,4-Dimethylphenol, Naphthalene, and 2-Methylnaphthalene which were detected at concentrations of 0.0094, 0.0028, 0.031, and 0.0048 mg/L, respectively.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on July 19, 1996			
MW1	NA	NA	NA	NA	NA	NA
MW2	NA	NA	NA	NA	NA	NA
MW3@	NA	18	4.8	0.61	0.76	2.8
			Samples Collected on April 23, 1996			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3@@	NA	9.7	2.9	0.17	0.38	0.68
			Samples Collected on January 17, 1996			
MW1	NA	NA	NA	NA	NA	NA
MW2	NA	NA	NA	NA	NA	NA
MW3@@@	NA	21	4.1	0.37	0.52	1.5

NOTES:
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
NA = Not Analyzed.
@ = In MW3, EPA Method 8010 compounds were not detected; EPA Method 8270 compounds were not detected except for 0.0022 mg/L 2,4-Dimethylphenol, 0.1 mg/L Naphthalene, and 0.022 mg/L 2-Methylnaphthalene. The EPA Method 8020 showed that MTBE was detected in MW3 at a concentration of 0.21 mg/L.
@@ = In MW3, EPA 8010 compounds were not detected except for 0.0051 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for Naphthalene and Phenol which were detected at concentrations of 0.056 and 0.025 mg/L, respectively. The EPA Method 8020 results showed that MTBE was not detected in MW1 or MW2, and was detected in MW3 at a concentration of 0.15 mg/L.
@@@ = In MW3, EPA 8010 compounds were not detected except for 0.011 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for 0.0022 mg/L Phenol, 0.0051 mg/L 4-Methylphenol, 0.0029 mg/L 2,4-Dimethylphenol, 0.032 mg/L Naphthalene, and 0.010 mg/L 2-Methylnaphthalene.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on October 26, 1995			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3@@@@	NA	19	4.0	0.48	0.64	1.8
			Samples Collected on August 15, 1995			
MW1	NA	NA	NA	NA	NA	NA
MW2	NA	NA	NA	NA	NA	NA
MW3@@@@@	NA	7.0	2.4	0.23	0.26	0.73
			Samples Collected on May 2, 1995			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3#	0.84	18	5.4	0.39	0.65	1.7

NOTES:
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
NA = Not Analyzed.
@@@@ = In MW3, EPA 8010 compounds were not detected except for 0.011 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for 0.043 mg/L Naphthalene. The EPA Method 8020 results showed that MTBE was not detected in MW1 or MW2, and was detected in MW3 at a concentration of 0.24 mg/L.
@@@@@ = EPA 8010 compounds were not detected except for 0.0091 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for 0.003 mg/L 4-Methylphenol, 0.005 mg/L 2,4-Dimethyl Phenol, 0.019 mg/L Naphthalene, and 0.003 mg/L 2-Methylnaphthalene.
# = Review of the laboratory report and discussions with the laboratory indicate that the results reported as TPH-D are gasoline-range compounds. EPA 8010 compounds not detected except for 0.014 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for 0.010 mg/L 2-Methyl naphthalene and 0.062 mg/L Naphthalene.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on January 30, 1995			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3##	0.70	24	7.6	0.35	0.90	2.2
			Samples Collected on October 31, 1994			
MW1	NA	ND	ND	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3###	0.60	8.7	2.6	0.26	0.32	0.92
			Samples Collected on July 29, 1994			
MW1	NA	ND	0.0012	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3####	0.67	6.3	2.0	0.13	0.22	0.52

NOTES:
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
NA = Not Analyzed.
= Review of the laboratory report and discussions with the laboratory indicate that the results reported as TPH-D are gasoline-range compounds. EPA 8010 compounds not detected except for 0.018 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for 0.014 mg/L 2-Methyl naphthalene and 0.11 mg/L Naphthalene.
= Review of the laboratory report and discussions with the laboratory indicate that the results reported as TPH-D are gasoline-range compounds. EPA 8010 compounds not detected except for 0.019 mg/L 1,2-Dichloroethane; EPA 8270 compounds were not detected except for 0.008 mg/L 2-Methyl naphthalene, 0.047 mg/L Naphthalene, and 0.002 mg/L Bis (2-Ethylhexyl) Phthalate.
= Review of the laboratory report and discussions with the laboratory indicate that the results reported as TPH-D are gasoline-range compounds. EPA 8010 compounds not detected except for 0.0077 mg/L 1,2-Dichloroethane; EPA 8270 compounds not detected except for 0.008 mg/L 2-Methylnaphthalene and 0.044 mg/L Naphthalene.
Results are in parts per million (mg/L), unless otherwise specified.

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(Continued)

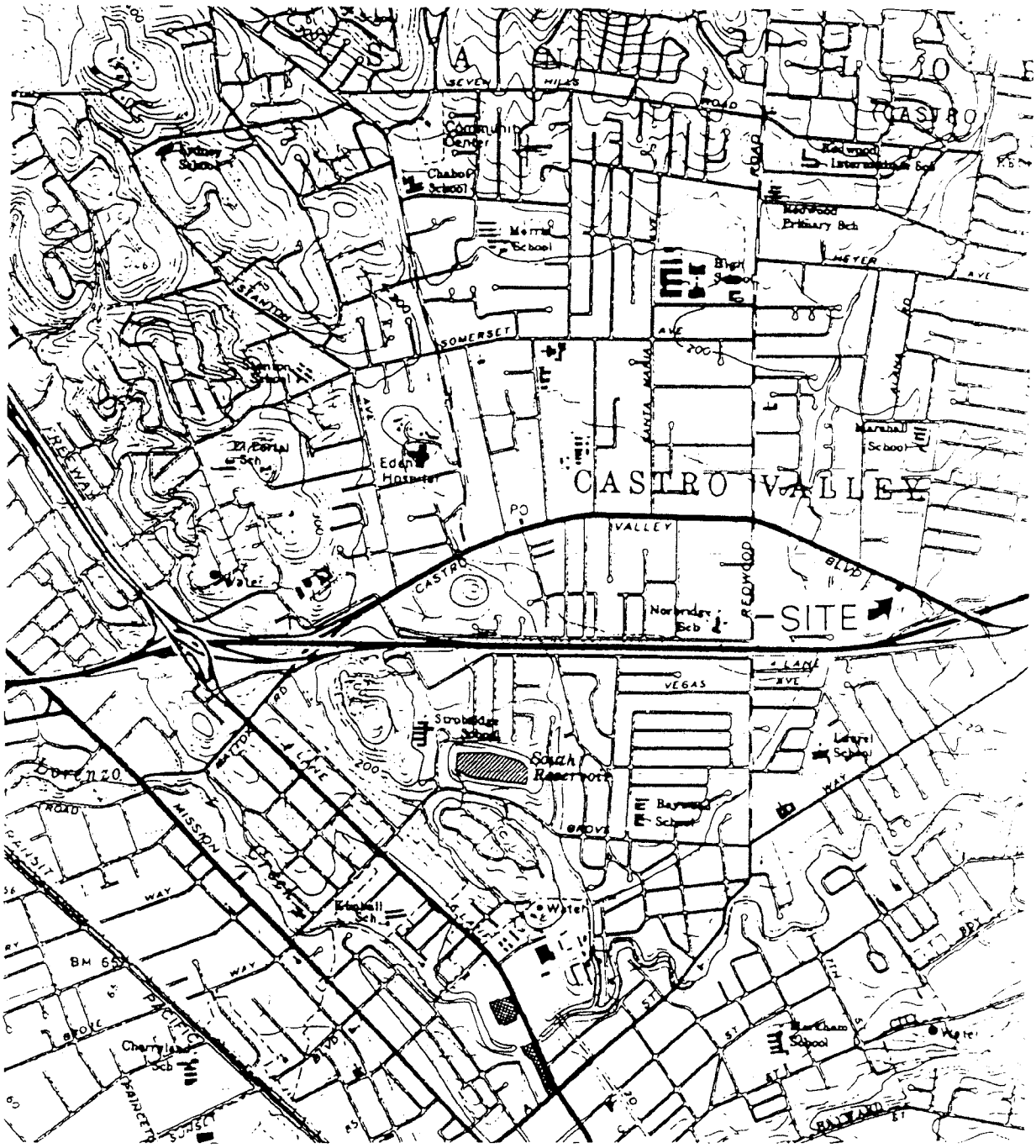
Sample Location	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes
			Samples Collected on April 25, 1994			
MW1	ND	ND	ND	ND	ND	ND
MW2	ND	ND	ND	ND	ND	ND
MW3#####	2.1	17	4.8	0.47	0.29	1.6
			Samples Collected on November 16, 1993			
MW1	NA	ND	0.0022	ND	ND	ND
MW2	NA	ND	ND	ND	ND	ND
MW3^	NA	12	3.3	0.66	0.24	1.6

NOTES:
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
ND = Not Detected.
NA = Not Analyzed.
= Review of the laboratory report and discussions with the laboratory indicate that the results reported as TPH-D are gasoline-range compounds. EPA 8010 compounds not detected except for 0.28 mg/L 1,2-Dichloroethane; EPA 8270 compounds not detected except for 0.013 mg/L 2-Methylnapthalene and 0.084 mg/L Naphthalene.
^ = TRPH not detected; EPA 8010 compounds not detected except for 0.027 mg/L 1,2-Dichloroethane; EPA 8270 compounds not detected except for 0.009 mg/L Phenol, 0.006 mg/L Benzyl Alcohol, 0.006 2-Methylphenol, 0.007 mg/L 2,4-Dimethylphenol, 0.088 mg/L Benzoic Acid, 0.042 mg/L Naphthalene, and 0.015 mg/L 2-Methylnapthalene.
Results are in parts per million (mg/L), unless otherwise specified.

FIGURES

P & D ENVIRONMENTAL, INC.

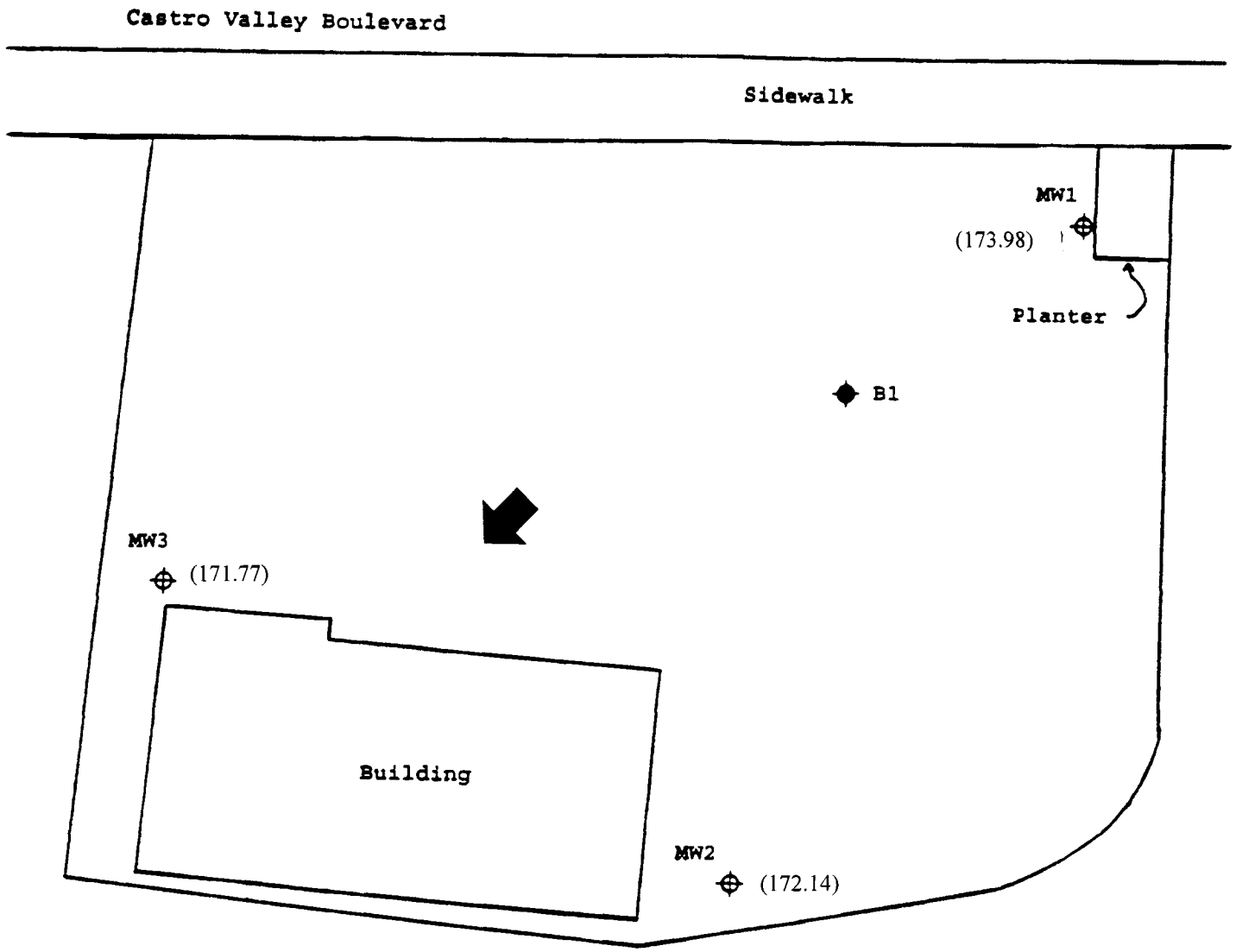
55 Santa Clara Avenue, Suite 240
Oakland, CA 94610
(510) 658-6916



Base Map From
U.S Geological Survey
Hayward, Calif.
7.5 Minute Quadrangle
Photorevised 1980

Figure 1
Site Location Map
VIP Service
3889 Castro Valley Blvd
Castro Valley, California

P & D ENVIRONMENTAL, INC.
55 Santa Clara Avenue, Suite 240
Oakland, CA 94610
(510) 658-6916



Monitoring Well Location
Exploratory Boring Location
( ) Groundwater Surface Elevation in Feet Above Mean Sea Level on February 13, 2007.
Groundwater Flow Direction

0 10 20
Scale In Feet

North

Base Map From:
P&D Environmental
October, 1993

Figure 2
Site Plan
VIP Service
3889 Castro Valley Blvd.
Castro Valley, California

WELL MONITORING AND PURGE DATA SHEETS

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Service VIP / Castro Valley
Job No. 0047
TOC to Water (ft.) 6.85
Well Depth (ft.) 20.0
Well Diameter 2" (0.16)
Gal./Casing Vol. 2.2
3vol = 6.6

Well No. MW1
Date 2/13/07
Sheen None
Free Product Thickness Ø
Sample Collection Method Teflon Bailer

TIME	GAL. PURGED	pH	TEMPERATURE °F	ELECTRICAL CONDUCTIVITY µS/cm
0839	0.75	6.84	57.1	552
0841	1.50	6.97	52.9	812
0843	2.25	6.98	53.3	950
0845	3.00	6.95	53.2	690
0847	3.75	6.90	53.2	402
0849	4.50	6.95	53.0	662
0851	5.25	6.92	53.1	675
0853	6.00	6.94	52.9	650
0855	6.6	6.96	53.0	682

NOTES: No sheen, No odor
Sample time = 0900 hrs

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name VIP Senia/Castro Valley
Job No. 0047
TOC to Water (ft.) 7.56
Well Depth (ft.) 20.0
Well Diameter 2" (0.16)
Gal./Casing Vol. 2.0
3vol = 6.0

Well No. MW2
Date 2/13/07
Sheen None
Free Product Thickness Ø
Sample Collection Method
Teflon Bailer

TIME	GAL. PURGED	pH	TEMPERATURE °F	ELECTRICAL CONDUCTIVITY µS/cm
0805	0.75	6.67	52.5	315
0807	1.50	6.86	52.2	322
0809	2.25	6.85	52.7	305
0811	3.00	6.90	52.5	311
0813	3.75	6.91	52.3	317
0815	4.50	6.94	52.4	315
0817	5.25	6.98	52.6	316
0819	5.75	7.01	52.7	318
0821	6.00	7.04	52.8	317
		7.04?		

NOTES: No sheen No odor - (Some sulfur @ 1st well
Sample Time => 0830hrs Black tubing in well; monitored w/ tubing in well; removed tubing to purge & sample.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name VIP Service / Castro Valley
Well No. MW3
Job No. 0047
Date 02/13/07
TOC to Water (ft.) 7.21
Sheen ~~light~~ slc yes
Well Depth (ft.) 20.0
Free Product Thickness Ø
Well Diameter 2" (0.16)
Sample Collection Method
Gal./Casing Vol. 2.1
Teflon Bailer
3 Vol = 6.3
°F µS/cm

TIME	GAL. PURGED	pH	TEMPERATURE	ELECTRICAL CONDUCTIVITY
0910	0.75	6.89	52.6	315
0912	1.50	6.94	53.2	436
0914	2.25	6.96	53.4	958
0916	3.00	6.97	53.5	1220
0918	3.75	6.98	53.6	1,335
0920	4.50	6.99	53.2	1340
0922	5.25	7.00	53.0	1,346
0924	6.00	7.01	53.3	1,350
0926	6.3	7.01	53.2	1,771

NOTES: Light sheen; Lt petro odor - mgt
Sample time => 0930 Black tubing in well; left in well to monitor; taken out to purge & sample.

PURGE10.92

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0047	Date Sampled: 02/13/07
55 Santa Clara, Ste.240		Date Received: 02/13/07
Oakland, CA 94610	Client Contact: Steve Carmack	Date Reported: 02/16/07
	Client P.O.:	Date Completed: 02/16/07

WorkOrder: 0702291

February 16, 2007

Dear Steve:

Enclosed are:

1). the results of **3** analyzed samples from your **#0047 project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0702291 PDEO

P & D ENVIRONMENTAL, INC.
55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: 0047

PROJECT NAME: VIP Service / Castro Valley

SAMPLED BY: (PRINTED AND SIGNATURE) Steve Carmack

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPHG/BTEX by 8021	HVOCs by 8260B	SVOCs by 8270	PRESERVATIVE	REMARKS
MW1	02/13/07	0900	Water		7	X			ICE	Normal Turnaround Time
MW2	02/13/07	0830	Water		7	X			ICE	" " "
MW3	02/13/07	0930	Water		7	X	X	X	ICE	" " "

PRESERVATION: VOAs | O&G | METALS | OTHER
DECHLORINATED IN LAB
PRESERVED IN LAB
APPROPRIATE CONTAINERS
HEAD SPACE ABSENT
GOOD CONDITION
ICE/t 2.2°C

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	2/13/07	1135	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	2/13/07	1600	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 3
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 21

LABORATORY: McCampbell Analytical, Inc.
LABORATORY CONTACT: Angela Rydelius
LABORATORY PHONE NUMBER: (925) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED ( )YES (X)NO

REMARKS: Voas preserved w/ HCL

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0702291 **ClientID: PDEO**

☐ EDF ☐ Fax ☑ Email ☐ HardCop ☐ ThirdPart

Report to:
Steve Carmack
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Email:
TEL: (510) 658-691 FAX: 510-834-0152
ProjectNo: #0047
PO:

Bill t
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 5 days

Date Received **02/13/2007**
Date Printed: **02/13/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0702291-001	MW1	Water	02/13/07 9:00:00	☐			A									
0702291-002	MW2	Water	02/13/07 8:30:00	☐			A									
0702291-003	MW3	Water	02/13/07 9:30:00	☐	B	C	A									

Test Legend:

1	8260B_W	2	8270D_W	3	G-MBTEX_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Sheli Cryderman

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0047	Date Sampled: 02/13/07
55 Santa Clara, Ste.240		Date Received: 02/13/07
Oakland, CA 94610	Client Contact: Steve Carmack	Date Extracted: 02/14/07
	Client P.O.:	Date Analyzed 02/14/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0702291

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW1	W	ND	ND	ND	ND	ND	ND	1	106
002A	MW2	W	ND	ND	ND	ND	ND	ND	1	105
003A	MW3	W	4300,a	ND<50	610	14	94	130	10	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0047	Date Sampled: 02/13/07
		Date Received: 02/13/07
55 Santa Clara, Ste.240	Client Contact: Steve Carmack	Date Extracted: 02/15/07
Oakland, CA 94610	Client P.O.:	Date Analyzed 02/15/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0702291

Lab ID	0702291-003B
Client ID	MW3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<330	33	10	Acrolein (Propenal)	ND<170	33	5.0
Acrylonitrile	ND<67	33	2.0	tert-Amyl methyl ether (TAME)	ND<17	33	0.5
Benzene	790	33	0.5	Bromobenzene	ND<17	33	0.5
Bromochloromethane	ND<17	33	0.5	Bromodichloromethane	ND<17	33	0.5
Bromoform	ND<17	33	0.5	Bromomethane	ND<17	33	0.5
2-Butanone (MEK)	ND<67	33	2.0	t-Butyl alcohol (TBA)	ND<170	33	5.0
n-Butyl benzene	28	33	0.5	sec-Butyl benzene	ND<17	33	0.5
tert-Butyl benzene	ND<17	33	0.5	Carbon Disulfide	ND<17	33	0.5
Carbon Tetrachloride	ND<17	33	0.5	Chlorobenzene	ND<17	33	0.5
Chloroethane	ND<17	33	0.5	2-Chloroethyl Vinyl Ether	ND<33	33	1.0
Chloroform	ND<17	33	0.5	Chloromethane	ND<17	33	0.5
2-Chlorotoluene	ND<17	33	0.5	4-Chlorotoluene	ND<17	33	0.5
Dibromochloromethane	ND<17	33	0.5	1,2-Dibromo-3-chloropropane	ND<17	33	0.5
1,2-Dibromoethane (EDB)	ND<17	33	0.5	Dibromomethane	ND<17	33	0.5
1,2-Dichlorobenzene	ND<17	33	0.5	1,3-Dichlorobenzene	ND<17	33	0.5
1,4-Dichlorobenzene	ND<17	33	0.5	Dichlorodifluoromethane	ND<17	33	0.5
1,1-Dichloroethane	ND<17	33	0.5	1,2-Dichloroethane (1,2-DCA)	ND<17	33	0.5
1,1-Dichloroethene	ND<17	33	0.5	cis-1,2-Dichloroethene	ND<17	33	0.5
trans-1,2-Dichloroethene	ND<17	33	0.5	1,2-Dichloropropane	ND<17	33	0.5
1,3-Dichloropropane	ND<17	33	0.5	2,2-Dichloropropane	ND<17	33	0.5
1,1-Dichloropropene	ND<17	33	0.5	cis-1,3-Dichloropropene	ND<17	33	0.5
trans-1,3-Dichloropropene	ND<17	33	0.5	Diisopropyl ether (DIPE)	ND<17	33	0.5
Ethylbenzene	120	33	0.5	Ethyl tert-butyl ether (ETBE)	ND<17	33	0.5
Freon 113	ND<330	33	10	Hexachlorobutadiene	ND<17	33	0.5
Hexachloroethane	ND<17	33	0.5	2-Hexanone	ND<17	33	0.5
Isopropylbenzene	ND<17	33	0.5	4-Isopropyl toluene	ND<17	33	0.5
Methyl-t-butyl ether (MTBE)	ND<17	33	0.5	Methylene chloride	ND<17	33	0.5
4-Methyl-2-pentanone (MIBK)	ND<17	33	0.5	Naphthalene	22	33	0.5
Nitrobenzene	ND<330	33	10	n-Propyl benzene	32	33	0.5
Styrene	ND<17	33	0.5	1,1,1,2-Tetrachloroethane	ND<17	33	0.5
1,1,2,2-Tetrachloroethane	ND<17	33	0.5	Tetrachloroethene	ND<17	33	0.5
Toluene	ND<17	33	0.5	1,2,3-Trichlorobenzene	ND<17	33	0.5
1,2,4-Trichlorobenzene	ND<17	33	0.5	1,1,1-Trichloroethane	ND<17	33	0.5
1,1,2-Trichloroethane	ND<17	33	0.5	Trichloroethene	ND<17	33	0.5
Trichlorofluoromethane	ND<17	33	0.5	1,2,3-Trichloropropane	ND<17	33	0.5
1,2,4-Trimethylbenzene	92	33	0.5	1,3,5-Trimethylbenzene	31	33	0.5
Vinyl Chloride	ND<17	33	0.5	Xylenes	150	33	0.5

Surrogate Recoveries (%)

%SS1:	94	%SS2:	101
%SS3:	83		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm

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P & D Environmental	Client Project ID: #0047	Date Sampled: 02/13/07
		Date Received: 02/13/07
55 Santa Clara, Ste.240	Client Contact: Steve Carmack	Date Extracted: 02/13/07
Oakland, CA 94610	Client P.O.:	Date Analyzed 02/14/07

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0702291

Lab ID	0702291-003C
Client ID	MW3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<20	2.0	10	Acenaphthylene	ND<20	2.0	10
Acetochlor	ND<20	2.0	10	Anthracene	ND<20	2.0	10
Benzidine	ND<100	2.0	50	Benzoic Acid	ND<100	2.0	50
Benzo(a)anthracene	ND<20	2.0	10	Benzo(b)fluoranthene	ND<20	2.0	10
Benzo(k)fluoranthene	ND<20	2.0	10	Benzo(g,h,i)perylene	ND<20	2.0	10
Benzo(a)pyrene	ND<20	2.0	10	Benzyl Alcohol	ND<40	2.0	20
1,1-Biphenyl	ND<20	2.0	10	Bis (2-chloroethoxy) Methane	ND<20	2.0	10
Bis (2-chloroethyl) Ether	ND<20	2.0	10	Bis (2-chloroisopropyl) Ether	ND<20	2.0	10
Bis (2-ethylhexyl) Phthalate	ND<20	2.0	10	4-Bromophenyl Phenyl Ether	ND<20	2.0	10
Butylbenzyl Phthalate	ND<20	2.0	10	4-Chloroaniline	ND<40	2.0	20
4-Chloro-3-methylphenol	ND<20	2.0	10	2-Chloronaphthalene	ND<20	2.0	10
2-Chlorophenol	ND<20	2.0	10	4-Chlorophenyl Phenyl Ether	ND<20	2.0	10
Chrysene	ND<20	2.0	10	Dibenzo(a,h)anthracene	ND<20	2.0	10
Dibenzofuran	ND<20	2.0	10	Di-n-butyl Phthalate	ND<20	2.0	10
1,2-Dichlorobenzene	ND<20	2.0	10	1,3-Dichlorobenzene	ND<20	2.0	10
1,4-Dichlorobenzene	ND<20	2.0	10	3,3-Dichlorobenzidine	ND<40	2.0	20
2,4-Dichlorophenol	ND<20	2.0	10	Diethyl Phthalate	ND<20	2.0	10
2,4-Dimethylphenol	ND<20	2.0	10	Dimethyl Phthalate	ND<20	2.0	10
4,6-Dinitro-2-methylphenol	ND<100	2.0	50	2,4-Dinitrophenol	ND<100	2.0	50
2,4-Dinitrotoluene	ND<20	2.0	10	2,6-Dinitrotoluene	ND<20	2.0	10
Di-n-octyl Phthalate	ND<20	2.0	10	1,2-Diphenylhydrazine	ND<20	2.0	10
Fluoranthene	ND<20	2.0	10	Fluorene	ND<20	2.0	10
Hexachlorobenzene	ND<20	2.0	10	Hexachlorobutadiene	ND<20	2.0	10
Hexachlorocyclopentadiene	ND<100	2.0	50	Hexachloroethane	ND<20	2.0	10
Indeno (1,2,3-cd) pyrene	ND<20	2.0	10	Isophorone	ND<20	2.0	10
2-Methylnaphthalene	ND<20	2.0	10	2-Methylphenol (o-Cresol)	ND<20	2.0	10
3 &/or 4-Methylphenol (m,p-Cres	ND<20	2.0	10	Naphthalene	22	2.0	10
2-Nitroaniline	ND<100	2.0	50	3-Nitroaniline	ND<100	2.0	50
4-Nitroaniline	ND<100	2.0	50	Nitrobenzene	ND<20	2.0	10
2-Nitrophenol	ND<100	2.0	50	4-Nitrophenol	ND<100	2.0	50
N-Nitrosodiphenylamine	ND<20	2.0	10	N-Nitrosodi-n-propylamine	ND<20	2.0	10
Pentachlorophenol	ND<100	2.0	50	Phenanthrene	ND<100	2.0	50
Phenol	ND<20	2.0	10	Pyrene	ND<20	2.0	10
Pyridine	ND<100	2.0	50	1,2,4-Trichlorobenzene	ND<20	2.0	10
2,4,5-Trichlorophenol	ND<20	2.0	10	2,4,6-Trichlorophenol	ND<20	2.0	10

Surrogate Recoveries (%)

%SS1:	69	%SS2:	73
%SS3:	89	%SS4:	89
%SS5:	79	%SS6:	81

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0702291

EPA Method SW8260B	Extraction SW5030B				BatchID: 26236				Spiked Sample ID: 0702287-002B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	83.7	89.8	7.02	91.5	88.1	3.84	70 - 130	30	70 - 130	30
Benzene	ND	10	127	127	0	128	128	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	109	107	2.62	103	106	3.52	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	99.9	104	4.03	105	105	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	92.3	97.8	5.71	93.9	99.4	5.67	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	93.2	97.1	4.13	96.3	98.9	2.71	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	106	105	0.641	105	114	8.27	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	112	117	4.91	116	118	1.86	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	89.1	93.7	5.00	93.8	94.6	0.798	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	86	92.3	7.11	89.1	91.3	2.41	70 - 130	30	70 - 130	30
Toluene	ND	10	100	103	2.42	106	109	2.90	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	77.1	79.2	2.78	79.3	80.1	0.923	70 - 130	30	70 - 130	30
%SS1:	106	10	101	101	0	103	103	0	70 - 130	30	70 - 130	30
%SS2:	99	10	92	91	0.496	92	95	3.20	70 - 130	30	70 - 130	30
%SS3:	109	10	93	91	1.85	94	95	0.526	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 26236 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702291-003	2/13/07 9:30 AM	2/15/07	2/15/07 1:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0702291

EPA Method SW8270C	Extraction SW3510C				BatchID: 26131			Spiked Sample ID: N/A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acenaphthene	N/A	50	N/A	N/A	N/A	80.7	81.2	0.655	N/A	N/A	30 - 130	30
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	82.4	82.2	0.316	N/A	N/A	30 - 130	30
2-Chlorophenol	N/A	100	N/A	N/A	N/A	88.7	90.1	1.59	N/A	N/A	30 - 130	30
1,4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	85.9	85.8	0.210	N/A	N/A	30 - 130	30
2,4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	101	110	8.12	N/A	N/A	30 - 130	30
4-Nitrophenol	N/A	100	N/A	N/A	N/A	76.3	76.5	0.301	N/A	N/A	30 - 130	30
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	91.2	95.2	4.28	N/A	N/A	30 - 130	30
Pentachlorophenol	N/A	100	N/A	N/A	N/A	84.8	81.3	4.21	N/A	N/A	30 - 130	30
Phenol	N/A	100	N/A	N/A	N/A	88.3	86.9	1.63	N/A	N/A	30 - 130	30
Pyrene	N/A	50	N/A	N/A	N/A	82.1	80.7	1.71	N/A	N/A	30 - 130	30
1,2,4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	82.7	83.7	1.19	N/A	N/A	30 - 130	30
%SS1:	N/A	5000	N/A	N/A	N/A	88	87	0.997	N/A	N/A	30 - 130	30
%SS2:	N/A	5000	N/A	N/A	N/A	96	95	1.21	N/A	N/A	30 - 130	30
%SS3:	N/A	5000	N/A	N/A	N/A	85	86	1.05	N/A	N/A	30 - 130	30
%SS4:	N/A	5000	N/A	N/A	N/A	81	82	1.46	N/A	N/A	30 - 130	30
%SS5:	N/A	5000	N/A	N/A	N/A	73	74	1.14	N/A	N/A	30 - 130	30
%SS6:	N/A	5000	N/A	N/A	N/A	81	81	0	N/A	N/A	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 26131 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702291-003	2/13/07 9:30 AM	2/13/07	2/14/07 9:37 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0702291

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 26237** **Spiked Sample ID: 0702287-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	101	102	0.922	103	101	2.32	70 - 130	30	70 - 130	30
MTBE	ND	10	97.5	108	9.78	90.5	97.2	7.13	70 - 130	30	70 - 130	30
Benzene	ND	10	101	104	3.06	98.6	101	2.80	70 - 130	30	70 - 130	30
Toluene	ND	10	99.5	103	3.69	98.1	102	3.42	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	99.9	95.7	4.28	96.3	102	5.65	70 - 130	30	70 - 130	30
Xylenes	ND	30	95.7	96.3	0.694	95.7	96.3	0.694	70 - 130	30	70 - 130	30
%SS:	117	10	103	106	2.50	97	101	4.42	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 26237 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702291-001	2/13/07 9:00 AM	2/14/07	2/14/07 3:29 AM	0702291-002	2/13/07 8:30 AM	2/14/07	2/14/07 3:59 AM
0702291-003	2/13/07 9:30 AM	2/14/07	2/14/07 8:58 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

DHS ELAP Certification N° 1644

QA/QC Officer