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JUL 2 6 2002

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July 24, 2002

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: **Second Quarter 2002 - Groundwater Monitoring Report**
United States Postal Service Vehicle Maintenance Facility
1675 7th Street, Oakland, California
Fuel Leak Case: RO0000016
PSI Project No.: 575-2G007

Dear Ms. Martin:

On behalf of the United States Postal Service, Professional Service Industries is pleased to present this quarterly groundwater monitoring report which describes the results of the groundwater sampling and laboratory analysis for the Vehicle Maintenance Facility site in Oakland, California. This report was intended to address specific reporting requirements discussed with you and listed in your recent letter dated May 13, 2002.

This report addresses only the groundwater at the subject site. A discussion of the site history, including fuel tank and hydraulic lift removal activities, associated soil analyses and an evaluation of the Tier II Risk Appraisal will be forthcoming in a report to be submitted at the completion of the currently planned site investigation.

If you have any questions regarding this report or any aspect of the project, please do not hesitate to call.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.

Frank R. Poss
Senior Technical Professional

SECOND QUARTER 2002 GROUNDWATER MONITORING REPORT

USPS GMF/VMF
1675 7TH STREET
OAKLAND, CALIFORNIA

Prepared for

United States Postal Service
1675 7TH Street
Oakland, California

Professional Service Industries
4703 Tidewater Avenue, Suite B
Oakland, California 94601

July 24, 2002
575-2G007

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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in Professional Services Industries, Inc., (PSI) report number 575-2G007 is intended exclusively for the United States Postal Service (USPS) for the evaluation of groundwater contamination as it pertains to the subject site. PSI is responsible for the facts and accuracy of the data presented herein. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any and all sources or locations of contamination.

This report is issued with the understanding that the USPS is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appear below.

Frank R. Poss, R.E.A.
Senior Hydrogeologist

Brand Burfield, RG 6986
Senior Geologist

1.0 INTRODUCTION

1.1 EXECUTIVE SUMMARY

The results of our second quarter groundwater monitoring indicate that petroleum hydrocarbon compounds are still present in groundwater downgradient of the former underground storage tanks. The levels of some contaminants appear to be higher than detected last quarter, however this may be due to the use of a different analytical lab in order to obtain lower detection limits for some of the compounds. Of the contaminants detected, Naphthalene, 1,2-Dichloroethane and Methyl Tertiary-Butyl Ether (MTBE) are above their Primary Drinking Water Standard or Preliminary Remediation Goal for drinking water. PSI will continue the recommended quarterly monitoring program to monitor the concentrations of dissolved contaminants in the groundwater.

1.2 PURPOSE AND SCOPE OF WORK

This Quarterly Groundwater Monitoring Report (QMR) summarizes the results of the Second Quarter 2002 groundwater monitoring activities conducted on June 18 and 19, 2002 at the United States Postal Service (USPS) Vehicle Maintenance Facility (VMF) in Oakland, California (see Figure 1 – Site Location Map). The purpose of the groundwater monitoring program is to observe the change in concentration of dissolved hydrocarbon compounds at the site over time.

The work presented herein was conducted in accordance with USPS Contract Number 052571-01-J-0014 and Project Authorization Number 2-1F-055509-E-554. The scope of work performed included measurement of water levels, purging and sampling of groundwater wells, analysis of water samples, calculation of hydraulic gradient and preparation of this report. The scope of work, laboratory analysis performed, and report inclusions are intended to satisfy the reporting requirements of the Alameda County Health Care Services Agency (ACHCSA) as stated in their letter dated May 13, 2002.

1.3 SITE LOCATION AND DESCRIPTION

The subject site is located at 1675 7th Street in Oakland, California and consists of a one-story concrete structure with multiple indoor vehicle service bays and attached office space for operations and management. The VMF is surrounded by asphalt-paved parking to the north and west, a truck wash bay and paved parking to the south, and a fueling area and truck loading bays to the east.

2.0 GROUNDWATER MONITORING ACTIVITIES

2.1 GROUNDWATER ELEVATION AND HYDRAULIC GRADIENT

The four groundwater monitoring wells at the site (MW-1 through MW-4) are installed to depths of approximately 20 feet below the ground surface (bgs). Prior to purging, the groundwater levels in monitoring wells MW-1, MW-2 and MW-3 were measured using a Solinst electric water level indicator. A Solinst interface meter was used to measure the water level and thickness of floating product in MW-4. Water levels are read from the north side of the top of each monitoring well casing to an accuracy of 0.01 foot. This is performed in order to calculate the well purge volumes and to determine the groundwater flow direction and gradient. The water level indicator was decontaminated before and after each use to prevent cross-contamination of the wells. Depths to groundwater, measured on June 18, 2002, and calculated groundwater elevations are presented in Table 1. A table of historic water level measurements is included in Appendix A.

Due to the inherent difficulty in factoring out the layer of free product in MW-4, depth to groundwater from this well was not used in the calculation of the groundwater gradient. Field measurements indicate that there is approximately 0.36 feet (4.32 inches) of free product in the well casing. Additionally, based on our field observations, it appears as if the MW-4 well casing may have been extended upward during installation of the fuel pump islands, which could also affect the calculation of the groundwater level and gradient.

The regional groundwater gradient is expected to be toward the San Francisco Bay in a west to southwesterly direction. Our water level measurements obtained on June 18, 2002, indicate that the groundwater flow direction at the subject site is generally toward the southwest. Groundwater surface contours representing June, 2002 water levels beneath the site are shown on Figure 2. Based on these contours, a hydraulic gradient of approximately 0.008 was calculated for the site. Both the slope and direction of the gradient is generally the same as that calculated for the previous quarterly monitoring, and is in agreement with the expected regional gradient.

2.2 GROUNDWATER SAMPLING

Groundwater samples were collected from monitoring wells MW-1 through MW-4. Prior to the collection of groundwater samples, monitoring wells MW-1 through MW-3 were purged of a minimum of three well volumes of water until pH, conductivity, and temperature stabilized. Due to the presence of free-floating product, a purge of monitoring well MW-4 was not performed.

The following quality assurance/quality control procedures were implemented while performing well monitoring, well purging, and water sampling:

1. All equipment was washed prior to entering the well with an Alconox solution,

followed by two tap water rinses and a deionized water rinse.

2. Prior to purging the wells, depth-to-water was measured using a Solinst groundwater interface probe to an accuracy of approximately 0.01 foot. The measurements were made to the top of the well casing on the north side.

3. Monitoring wells at the site were prepared for sampling by purging the well of a minimum of 3 well volumes of water using an electric pump. If the wells were purged to dryness, they were allowed to recover to at least 80 percent of their original static groundwater levels prior to sampling.

4. Water samples were collected with an electric pump through dedicated polyethylene tubing after the well had been purged and water in the well had equilibrated to approximately 80 percent of the static water level or 2 hours after well purging, whichever occurred first. The water collected was immediately decanted into laboratory-supplied vials and bottles. The containers were overfilled, capped, labeled, and placed in a chilled cooler prior to delivery to the laboratory for analysis.

5. Chain-of-custody procedures, including chain-of-custody forms, were used to document water sample handling and transport from collection to delivery to the laboratory for analyses.

6. Groundwater samples were delivered to the State-certified hazardous waste laboratory within approximately 48-hours of collection.

7. Purged water was contained in DOT approved 55-gallon drums. The drums were labeled with the contents, date, well number, client name, and project number.

A summary of field measurements, site conditions, well purging data, sample collection data, and other pertinent information is recorded on the groundwater monitoring purge logs, presented in Appendix B.

2.3 LABORATORY ANALYSIS AND RESULTS

Four groundwater samples were submitted for analysis to Basic Laboratory of Redding, California, a State of California-certified hazardous waste analytical laboratory. The laboratory chosen for the current analysis is different that that used last quarter. The change was made in order to obtain lower detection limits for some of the compounds. The samples were analyzed for the following:

- EPA 8015 modified - Total Petroleum Hydrocarbons as Gasoline (TPH-G);
- EPA 8015 modified - Total Petroleum Hydrocarbons as Diesel (TPH-D);
- EPA 8260 – Volatile Organic Compounds (VOCs)

The groundwater sample from MW-4 was additionally analyzed for Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) in order to provide screening to help characterize the free product. With the approval of the ACHCSA, testing of the sample from MW-4 for Semi-Volatile Organic Compounds (SVOCs) using EPA Test Method 8270 (performed last quarter) has been discontinued (ACHCSA, 2002).

The results of the groundwater analyses are as follows:

- TPH-G was detected in MW-4 at 228 micrograms per liter (ug/l). TPH-G was not detected in the groundwater samples from any of the other wells.

- TPH-D was not detected in MW-2 at or above the laboratory detection limit. MW-1 and MW-3 had TPH-D concentrations of 222 and 407 ug/l respectively. TPH-D was detected in MW-4 at 235,000 ug/l.

- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) were not detected in the groundwater samples from any of the monitoring wells.

- Analysis for VOCs indicated 1,2-dichloroethane in MW-3 at 1.7 ug/l and naphthalene in MW-4 at 44.1 ug/l. No other VOCs were detected in the groundwater samples during this quarterly sampling event.

- Analysis for VOCs indicated that MTBE was detected in groundwater samples from all four monitoring wells. The lowest concentrations were detected from MW-1 and MW-2 (0.9 and 1.2 ug/l respectively), while MW-3 and MW-4 had MTBE concentrations of 4.9 and 14.1 ug/l respectively.

- Analysis of the sample from MW-4 for TPH-MO (for the characterization of the free product) indicated no oil-range hydrocarbons present above lab detection limits.

A summary of the laboratory results for the groundwater samples is presented in Table 2. Copies of the laboratory analytical report and chain of custody records are presented in Appendix C.

2.4 DISCUSSION OF GROUNDWATER QUALITY

In general, the concentrations of contaminants detected during the Second Quarter 2002 monitoring event are similar to the results from last quarter. The detection of TPH-D in MW-1 and MTBE in MW-1 and MW-2, where these compounds were not detected last quarter, is likely due to the use of Basic Laboratory which has lower detection limits for these compounds than the lab used for the previous quarterly analysis.

The results of the TPH-G, TPH-D and TPH-MO tests used to characterize the free product in the MW-4 well casing clearly indicate that the floating product is diesel fuel.

The results of the groundwater sample analyses were compared to the State of California Primary Drinking Water Standards (PDWS) and, if the compound did not have a PDWS, with the EPA Region IX Preliminary Remediation Goals (PRG) for tap water. The following compounds were above their respective PDWS or PRG.

- 1,2-Dichloroethane in MW-3 at 1.7 ug/l (PDWS of 0.5 ug/l)
- MTBE in MW-4 at 14.1 ug/L (PDWS of 13.0 ug/L)
- Naphthalene in MW-4 at 44.1 ug/L (PRG of 6.2 ug/L)

All other compounds detected were below their respective PDWS or PRG.

A summary of the historic groundwater analyses for the subject site has been compiled and is included as Table 3. A review of the summary table indicates that there was a sharp rise in the TPH-D levels in all four monitoring wells at the site beginning in February, 1995. For MW-4, this initial rise in diesel levels peaked in June, 1995. Historic groundwater level data indicates that free product in MW-4 was first detected in August, 1995. In accordance with requests made in the referenced ACHCSA letter, the removal of free product, using a system of absorbent socks, is planned to commence in August, 2002 (RSI, July, 2002).

3.0 SUMMARY AND CONCLUSIONS

PSI performed groundwater monitoring activities on July 18 and 19, 2002. The results of the monitoring event are summarized below.

- Groundwater flows toward the southwest under a hydraulic gradient of 0.008.
- The free product in MW-4 has been characterized as diesel fuel.
- TPH-G was detected only in the sample from MW-4, and was not detected at or above the laboratory detection limit in the samples from any of the other wells.
- TPH-D was detected in MW-1, MW-3 and MW-4 and was not detected at or above the laboratory detection limit in MW-2.
- Three VOCs were detected in the groundwater samples submitted for the site. MTBE was detected in all of the wells but was above the PDWS only for the sample from MW-4. Naphthalene was detected in MW-4 and 1,2-dichloroethane was detected in MW-3, both above their respective PRG or PDWS. No other VOCs were detected in any of the samples analyzed.
- Historic analytical records indicate that TPH-D levels in all of the wells rose sharply in February, 1995, followed by the detection later that year of free product in well MW-4.

4.0 RECOMMENDATIONS

Based on the analytical results, PSI recommends that quarterly sampling, with analysis for TPH-G, TPH-D, and VOCs continue at this site. Additionally, PSI recommends that removal of free product (diesel fuel) from MW-4 begin as soon as possible in order to reduce the amount of contamination introduced to the groundwater.

Unless otherwise instructed, PSI will initiate product removal in August, 2002, in accordance with the referenced workplan (PSI, July, 2002). Additionally, a boring is planned to be drilled hydraulically downgradient of MW-4 to determine the lateral extent of the free product plume.

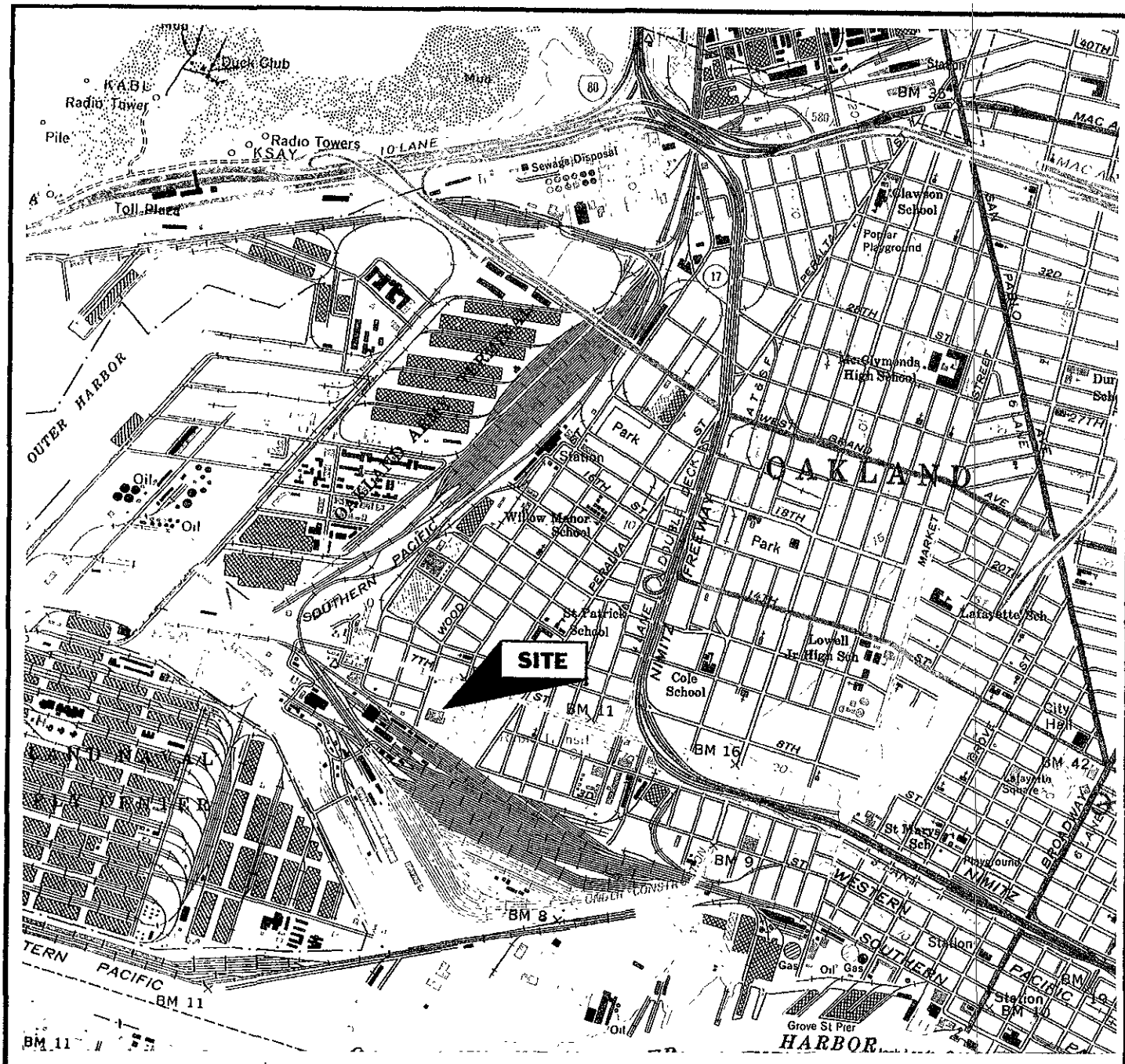
5.0 REFERENCES

1. Alameda County Health Care Services Agency, May 13, 2002, Letter titled: "Fuel Leak Case RO0000016, 1675 7th Street, Oakland, CA 94607."

2. Professional Service Industries, April 26, 2002, "First Quarter 2002 Groundwater Monitoring Report, USPS GMF/VMF, 1675 7th Street, Oakland, California," Project No. 575-2G007.

3. Professional Service Industries, July 17, 2002, "Workplan: Site Investigation & Free Product Removal, USPS GMF/VMF, 1675 7th Street, Oakland, California," Project No. 575-2G007

FIGURES



NORTH

0 1/2 1 MILE

SCALE

REFERENCE:
U.S.G.S. OAKLAND WEST CALIFORNIA, 7.5 MINUTE SERIES TOPOGRAPHIC MAP, DATED 1959, PHOTOREVISED 1980.

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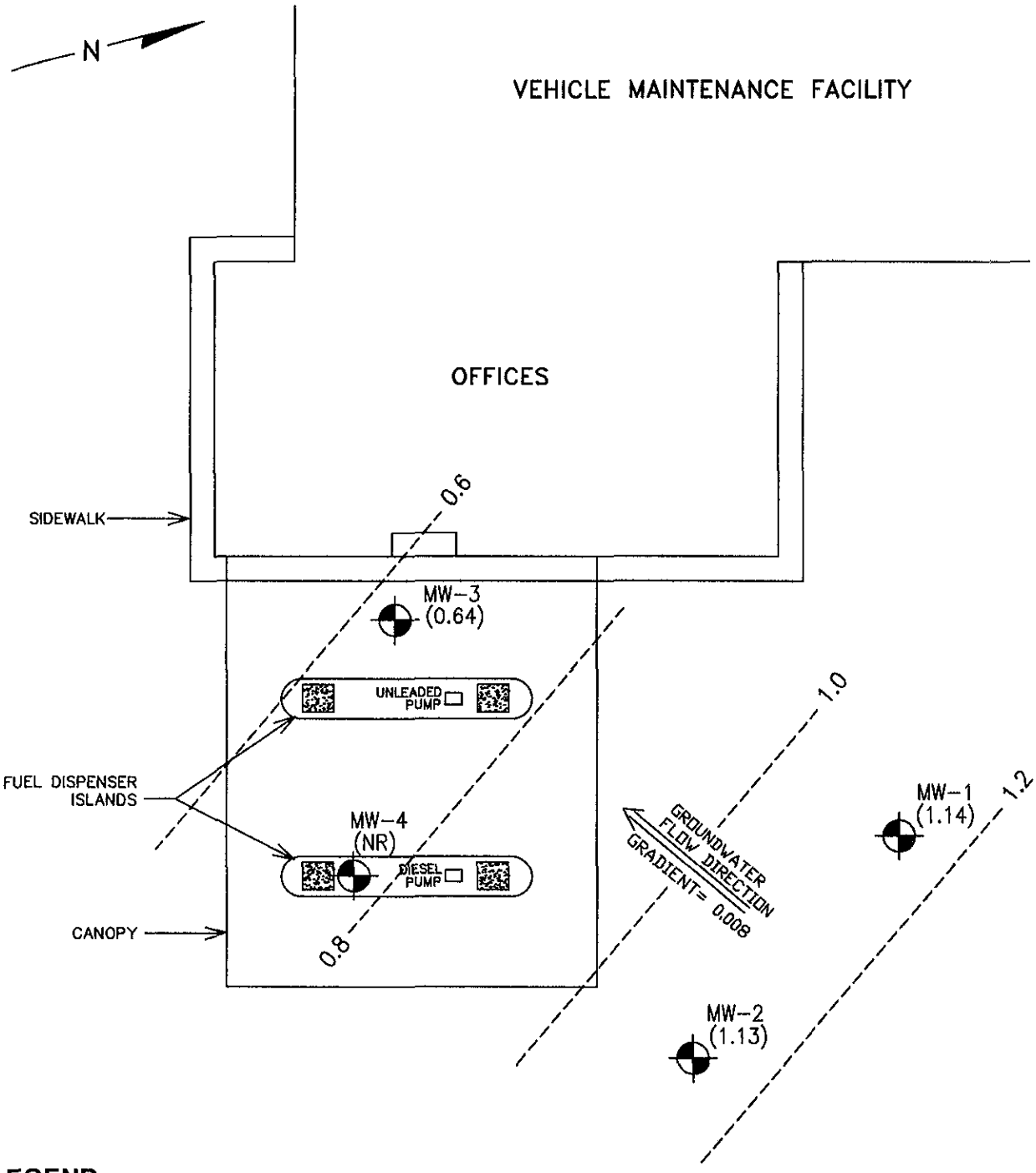
Project Name:	Drawn By:	Date:	File No.:	Figure No.:
USPS VEHICLE MAINTENANCE FACILITY 1675 7th STREET, OAKLAND, CALIFORNIA	B.W.B.	7/02	2C007-01	1
Title: SITE LOCATION MAP	Approved By: F.P.	Project No.: 575-2C007		



LEGEND:

MW-3 (0.85) – APPROXIMATE MONITORING WELL LOCATION (GROUNDWATER ELEVATION INDICATED IN FEET MSL)

1.2 – LINE OF EQUAL GROUNDWATER ELEVATION (IN FEET MSL)

MW-4* (NR) – MW-4 GROUNDWATER ELEVATION NOT REPORTED DUE TO PRESENCE OF FLOATING PRODUCT.

NOTE: BASE MAP TAKEN FROM FIELD SURVEY PERFORMED BY PSI ON JUNE 18, 2002.

0 20 40ft

APPROXIMATE SCALE

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Project Name:	Drawn By:	Date:	File No.:	Figure No.:
USPS VEHICLE MAINTENANCE FACILITY *1675 7th STREET, OAKLAND, CALIFORNIA*	*B.W.B.*	*7/02*	*2C007-04*	*2*
Title: GROUNDWATER ELEVATION MAP (JUNE 18, 2002)	Approved By: *F.P.*	Project No.: *575-2C007*		

TABLES

TABLE 1

DEPTH TO GROUNDWATER DATA
USPS VEHICLE MAINTENANCE FACILITY
OAKLAND, CALIFORNIA

Sample I.D.	Date	TOC Elevation (feet msl)	Depth To Groundwater (feet)	Groundwater Elevation (feet msl)
MW-1	6/18/02	8.30	7.16	1.14
MW-2	6/18/02	8.86	7.73	1.13
MW-3	6/18/02	9.28	8.64	0.64
MW-4	6/18/02	8.73	NT	NT

Notes: TOC = Top of well casing elevation.
msl = Mean sea level
NT = Not Tested / Not Measured

TABLE 2

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
USPS VEHICLE MAINTENANCE FACILITY
OAKLAND, CALIFORNIA

Sample I.D.	Date	TPH-G (ug/l)	TPH-D (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	MTBE (ug/l)	VOCs (ug/l)
MW-1	6/18/02	<50	**222**	<0.5	<0.5	<0.5	<1.0	**1.2**	ND
MW-2	6/18/02	<50	<50	<0.5	<0.5	<0.5	<1.0	**0.9**	ND
MW-3	6/19/02	<50	**407**	<0.5	<0.5	<0.5	<1.0	**4.9**	**1,2-Dichloroethane - 1.7**
MW-4	6/19/02	**228**	**235,000**	<2.5	<2.5	<2.5	<5.0	**14.1**	**Naphthalene - 44.1**

Notes:

TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
MTBE = Methyl tert-butyl ether
VOCs = Volatile Organic Compounds
VOCs presented are only compounds detected; all other compounds were not detected.
ug/l = Micrograms per liter
< = Less than the laboratory test method detection limit indicated.
ND = Not Detected

TABLE 3

SUMMARY OF HISTORIC GROUNDWATER ANALYTICAL RESULTS
USPS, VEHICLE MAINTENANCE FACILITY
OAKLAND, CALIFORNIA

Sample I.D.	Date	TPH-G (ug/l)	TPH-D (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	MTBE (ug/l)
MW-1	9/1/93	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/26/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	3/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/1/94	<50	73	<0.5	<0.5	<0.5	<0.5	NA
	2/22/95	<50	600	<0.5	<0.5	<0.5	<0.5	NA
	6/6/95	<50	900	<0.5	<0.5	<0.5	<0.5	NA
	8/16/95	<50	810	<0.5	<0.5	<0.5	<0.5	NA
	11/14/95	<50	590	<0.5	<0.5	<0.5	<0.5	NA
	5/16/96	NA	900	NA	NA	NA	NA	NA
	11/15/96	NA	330	NA	NA	NA	NA	NA
	3/11/02	<500	<400	<0.5	<0.5	<0.5	<1.0	<1.0
	6/18/02	<50	222	<0.5	<0.5	<0.5	<1.0	1.2
MW-2	9/1/93	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/26/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	3/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/22/95	<50	280	<0.5	<0.5	<0.5	<0.5	NA
	6/6/95	<50	570	<0.5	<0.5	<0.5	<0.5	NA
	8/16/95	<50	150	<0.5	<0.5	<0.5	<0.5	NA
	11/14/95	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/16/96	NA	320	NA	NA	NA	NA	NA
	11/15/96	NA	<50	NA	NA	NA	NA	NA
	3/11/02	<500	<400	<0.5	<0.5	<0.5	<1.0	<1.0
	6/18/02	<50	<50	<0.5	<0.5	<0.5	<1.0	0.9
MW-3	9/1/93	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/26/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	3/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/1/94	Insufficient water - no sample collected.						
	2/22/95	50	350	<0.5	<0.5	<0.5	<0.5	NA
	6/6/95	<50	380	<0.5	<0.5	<0.5	<0.5	NA
	8/16/95	<50	440	<0.5	<0.5	<0.5	<0.5	NA
	11/14/95	<50	200	0.8	<0.5	<0.5	<0.5	NA
	5/16/96	NA	1,100	NA	NA	NA	NA	NA
	11/15/96	NA	470	NA	NA	NA	NA	NA
	3/11/02	<500	540	<0.5	<0.5	<0.5	<1.0	3.8
	6/19/02	<50	407	<0.5	<0.5	<0.5	<1.0	4.9
MW-4	9/1/93	<50	580	<0.5	<0.5	<0.5	<0.5	NA
	1/26/94	<50	850	0.8	<0.5	<0.5	<0.5	NA
	3/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/1/94	<50	260	1.7	<0.5	<0.5	<0.5	NA
	2/22/95	140	1,100	1.4	<0.5	<0.5	<0.5	NA
	6/6/95	24,000	23,000	<0.5	<0.5	0.5	<0.5	NA
	8/16/95	2,000	3,400	1.2	<0.5	1.0	0.8	NA
	11/14/95	950	7,400	<0.5	<0.5	<0.5	<0.5	NA
	5/16/96	<50	2,000	<0.5	<0.5	<0.5	<1.0	NA
	11/15/96	600	13,000	0.78	<0.5	0.94	<1.0	NA
	3/11/02	NT	NT	<0.5	<0.5	<0.5	<1.0	8.5
	6/19/02	228	235,000	<2.5	<2.5	<2.5	<5.0	14.1
MW-5	9/1/93	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/26/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	3/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/1/94	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	MW-5 abandoned in January 1995							

Notes:

TPH-D = Total petroleum hydrocarbons as diesel
TPH-G = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
ug/l = Micrograms per liter
< = Less than laboratory test method detection limit, as indicated.
NT = Not Tested / Not Measured

APPENDIX A

HISTORIC WATER LEVELS

Table 1. Summary of Groundwater Elevations
United States Postal Service - GMF/VMF
1675 7th Street
Oakland, California

Well Name	Date	Top of Well Casing Elevation (ft MSL)*	Depth to Product (ft BTOC)**	Depth to Water (ft BTOC)**	Product Thickness (feet)	Groundwater Elevation (ft MSL)*
MW-1	9/93	8.30	No Product	3.90	No Product	4.40
	1/26/94		No Product	3.64	No Product	4.66
	2/94		No Product	3.37	No Product	4.93
	3/94		No Product	7.51	No Product	0.79
	4/94		No Product	10.74	No Product	-2.44
	5/94		No Product	12.98	No Product	-4.68
	6/94		No Product	15.55	No Product	-7.25
	2/22/95		No Product	6.98	No Product	1.32
	6/6/95		No Product	7.51	No Product	0.79
	8/16/95		No Product	8.11	No Product	0.19
	11/14/95		No Product	9.04	No Product	-0.74
	5/16/96		No Product	7.00	No Product	1.30
MW-2	9/93	8.86	No Product	4.55	No Product	4.31
	1/26/94		No Product	4.69	No Product	4.17
	2/94		No Product	3.98	No Product	4.88
	3/94		No Product	8.14	No Product	0.72
	4/94		No Product	10.60	No Product	-1.74
	5/94		No Product	13.47	No Product	-4.61
	6/94		No Product	15.50	No Product	-6.64
	2/22/95		No Product	7.66	No Product	1.20
	6/6/95		No Product	8.06	No Product	0.80
	8/16/95		No Product	8.77	No Product	0.09
	11/14/95		No Product	9.66	No Product	-0.80
	5/16/96		No Product	7.58	No Product	1.28
MW-3	9/93	9.28	No Product	5.00	No Product	4.28
	1/26/94		No Product	5.04	No Product	4.24
	2/94		No Product	4.62	No Product	4.66
	3/94		No Product	9.54	No Product	-0.26
	4/94		No Product	11.69	No Product	-2.41
	5/94		No Product	14.85	No Product	-5.57
	6/94		No Product	17.30	No Product	-8.02
	2/22/95		No Product	8.64	No Product	0.64
	6/6/95		No Product	9.07	No Product	0.21
	8/16/95		No Product	9.66	No Product	-0.38
	11/14/95		No Product	10.46	No Product	-1.18
	5/16/96		No Product	8.61	No Product	0.67

Table 1. Summary of Groundwater Elevations
United States Postal Service - GMF/VMF
1675 7th Street
Oakland, California

Well Name	Date	Top of Well Casing Elevation (ft MSL)*	Depth to Product (ft BTOC)**	Depth to Water (ft BTOC)**	Product Thickness (feet)	Groundwater Elevation (ft MSL)*
MW-4	9/93	8.73	No Product	4.55	No Product	4.18
	1/26/94		No Product	4.60	No Product	4.13
	2/94		No Product	3.95	No Product	4.78
	3/94		No Product	8.96	No Product	-0.23
	4/94		No Product	8.96	No Product	-0.23
	5/94		No Product	14.24	No Product	-5.51
	6/94		No Product	17.28	No Product	-8.55
	2/22/95		No Product	7.93	No Product	0.80
	6/6/95		No Product	8.48	No Product	0.25
	8/16/95		8.92	9.08	0.16	-0.20***
	11/14/95		9.82	9.92	0.10	-1.0***
	5/16/96		No Product	7.88	No Product	0.85
MW-5	9/93	8.23	No Product	3.63	No Product	4.60
	1/26/94		No Product	3.70	No Product	4.53
	2/94		No Product	3.23	No Product	5.00
	3/94		No Product	7.76	No Product	0.47
	4/94		No Product	10.19	No Product	-1.96
	5/94		No Product	11.46	No Product	-3.23
	6/94		No Product	14.25	No Product	-6.02
		Well Abandoned - January 1995				

Notes:

* Feet above mean sea level

** Feet below top of casing

*** Groundwater elevation corrected for product

APPENDIX B

GROUNDWATER PURGE LOGS

FLUID MEASUREMENT FIELD DATA

SHEET: 1 OF 1

DATE: JUNE 18, 2002 | PROJECT NAME: USPS - OAKLAND VMF | PROJECT NO: 575-2G007

WATER LEVEL MEASUREMENT INSTRUMENT: SOLINST 5310 | SERIAL NO:

PRODUCT DETECTION INSTRUMENT: SOLINST MODEL 121, SER # 1207 | SERIAL NO:

EQUIP. DECON: ☐ ALCONOX WASH ☒ DIST/DEION 1 RINSE ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE ☐ TAP WATER FINAL RINSE

☐ TAP WATER WASH ☒ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE ☒ AIR DRY

WELL NUMBER	GROUND SURFACE ELEVATION	TOP OF CASING ELEVATION	DEPTH TO PRODUCT BELOW TOC	DEPTH TO WATER BELOW TOC	WELL DEPTH BELOW TOC	PRODUCT THICKNESS	WATER TABLE ELEVATION	ACTUAL TIME
MW-1		8.30'	N/A	7.16'	20'	N/A	1.14'	13:25
MW-2		8.86'	↓	7.73'	↓	↓	1.13'	13:30
MW-3		9.28'	↓	8.64'	↓	↓	0.64'	13:35
MW-4		8.73' (?)	8.72	9.08'	↓	0.36'	N.R.	13:45

NOTE: MW-4 CASING, WHICH IS WITHIN FUEL PUMP ISLAND, APPEARS TO HAVE BEEN EXTENDED UPWARD - PERHAPS FOR CONSTRUCTION OF FUEL PUMP ISLAND.

REMEMBER TO CORRECT PRODUCT THICKNESS FOR DENSITY BEFORE CALCULATING WATER TABLE ELEVATION

PREPARED BY: B. BURFIELD

WELL PURGING AND SAMPLING DATA

WELL NO: MW-1

DATE: 6/18/02 | PROJECT NAME: USPS - OAKLAND | PROJECT NO: 575-2B007

WEATHER CONDITIONS:

WELL DIAMETER (IN.) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 20' FT. | DEPTH TO WATER BEFORE PURGING (TOC) 7.16 FT.

LENGTH OF WATER 12.84 FT. | CALCULATED ONE WELL VOLUME[1]: 8.3 GAL.

PURGING DEVICE: PVC PUMP ☐ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

SAMPLING DEVICE: " ☐ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☒ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☒ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO:
MYRON L ULTRAMETER 6L

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☒ °C	SPECIFIC CONDUCT. µS	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)
14:10	INITIAL	20.8	2375	7.96			SLIGHTLY CLOUDY	
14:15	5 GAL	20.5	1893	7.96			"	
14:18	10 GAL	20.3	1980	7.95			"	
14:20	15	20.2	1976	7.95			CL	
14:24	20	20.1	2970	7.95			"	
14:28	25	20.1	2443	7.94			"	
14:35	WELL SAMPLED							

DEPTH TO WATER AFTER PURGING (TOC) FT. | SAMPLE FILTERED ☐ YES ☒ NO SIZE _____

NOTES:

SAMPLE TIME: 14:35 ID# MW-1

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY: B. BURGESS

[1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

WELL PURGING AND SAMPLING DATA

WELL NO: MW-2

DATE: 6/18/02 | PROJECT NAME: USPS - OAKLAND | PROJECT NO: 579-2G007

WEATHER CONDITIONS: SUNNY + WARM

WELL DIAMETER (IN.) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 20 FT. | DEPTH TO WATER BEFORE PURGING (TOC) 7.73 FT.

LENGTH OF WATER 12.27 FT. | CALCULATED ONE WELL VOLUME[1]: 8.0 GAL.

PURGING DEVICE: PVC PUMP ☐ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

SAMPLING DEVICE: PVC PUMP ☐ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

EQUIP. DECON.
☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☒ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☒ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L ULTRAMETER 6L

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☒ °C	SPECIFIC CONDUCT. µS	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)
15:09	INITIAL	20.8	1708	7.94			TU	SLIGHT HYDROCARBON ODOR
15:13	5	20.7	848	7.92			CO	
15:16	10	20.4	976	7.94			"	
15:19	15	20.1	1519	7.94			"	
15:22	20	19.7	1642	7.94			SLIGHTLY CO	
15:25	25	20.0	1620	7.93			"	
15:35	WELL SAMPLED							

DEPTH TO WATER AFTER PURGING (TOC) _____ FT. | SAMPLE FILTERED ☐ YES ☒ NO SIZE _____

NOTES:

SAMPLE TIME: 15:35 ID# MW-2

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY: B. BURSIED

[1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

WELL PURGING AND SAMPLING DATA

WELL NO: MW-3

DATE: 9/19/02 | PROJECT NAME: USPS - OAKLAND VMF | PROJECT NO: 577-26007

WEATHER CONDITIONS: SUNNY + WARM

WELL DIAMETER (IN.) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC)	20 FT.	DEPTH TO WATER BEFORE PURGING (TOC)	8.64 FT.
LENGTH OF WATER	11.36 FT.	CALCULATED ONE WELL VOLUME[1]:	7.4 GAL.

PURGING DEVICE: PVC PUMP ☐ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

SAMPLING DEVICE: PVC PUMP ☐ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☒ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☒ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L ULTRAMETER 6L

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☒ °C	SPECIFIC CONDUCT µS	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)
15:02	INITIAL	19.2	5020	7.89			CL	NO ODOR
15:05	5	18.5	2856	7.83				
15:10	10	18.3	4098	7.88				
15:13	15	18.2	3686	7.88				
15:16	20	18.4	5404	7.87				
15:22	25	18.2	5391	7.87				LOW FLOW @ 23 GPM
15:30	WELL	SAMPLED						

DEPTH TO WATER AFTER PURGING (TOC) _____ FT. SAMPLE FILTERED ☐ YES ☐ NO SIZE _____

NOTES:

SAMPLE TIME: 15:30 ID# MW-3

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY: B. BURFEIND

[1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

WELL PURGING AND SAMPLING DATA

WELL NO: MW-4

DATE: 6/19/02 | PROJECT NAME: USPS - OAKLAND | PROJECT NO: 575-26007

WEATHER CONDITIONS: SUNNY + WARM

WELL DIAMETER (IN.) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ OTHER

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 20 FT. | DEPTH TO WATER BEFORE PURGING (TOC) 9.08 FT.

LENGTH OF WATER 10.92 FT. | CALCULATED ONE WELL VOLUME[1]: 7.1 GAL.

PURGING DEVICE: NO PURGE PERFORMED (FREE PRODUCT) ☐ DEDICATED ☐ DISPOSABLE ☐ DECONTAMINATED

SAMPLING DEVICE: P.E. BAILER ☒ DEDICATED ☒ DISPOSABLE ☐ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☐ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☐ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: N/A

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☐ °C	SPECIFIC CONDUCT.	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)
—	INITIAL	NO PURGE PERFORMED	—	—	—	—	—	—
16:00	WELL	SAMPLED	—	—	—	—	—	—

DEPTH TO WATER AFTER PURGING (TOC) FT. | SAMPLE FILTERED ☐ YES ☒ NO SIZE

NOTES:

SAMPLE TIME: 16:00 ID# MW-4

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY: B. PURSEL

PSI [1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIP

APPENDIX C

LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE B OAKLAND, CA 94601	***Lab No:***	0206600
		Date:	07/10/02
		Phone:	(510) 434-9200
		Date Sampled:	06/18,19/02
Attention:	FRANK POSS	***Date Received:***	06/20/02
		Project No.:	575 / 2G007
Project Name:	USPS / OAKLAND		
Sample Description:	WATER TESTING	***Page 1 of 12***	

Test:	***TPH-Gas Range Organics***	***4-Bromofluorobenzene***	***Reporting Limit***	***Date Analyzed***
Method:	8015	*Surrogate*		
Units:	ug/l	%	ug/l	
Control Limit:		43-155		
Sample ID				
MW-1	1	n	71.7	50	06/25/02
MW-2	2	n	79 2	50	06/25/02
MW-3	3	n	85.3	50	06/25/02
MW-4	4	228	86.1	50	06/25/02

Comments: California D.O.H.S. Cert #1677.
n - Not detected at the reporting limit.

Reported by:

BASIC LABORATORY, INC.

Report To: P.S.I.
4703 TIDEWATER AVE., STE.B
OAKLAND, CA 94601

Attention: FRANK POSS

Project Name: USPS / OAKLAND

Sample Description: WATER TESTING

Lab No: 0206600
Date: 07/10/02
Phone: (510) 434-9200
Date Sampled: 06/18,19/02
Date Received: 06/20/02
Project No.: 575 / 2G007

Test:		TPH-Diesel Range Organics	TPH-Motor Oil	Triphenylphosphate	Reporting Limit:	Date Analyzed
Method:		8015	8015	Surrogate		
Units:		ug/l	ug/l	%	ug/l	
Control Limit:				44-128		
Sample ID						
MW-1	1	222		87 7	50	06/27/02
MW-2	2	n		94.8	50	06/27/02
MW-3	3	407		87.8	50	06/27/02
MW-4	4	235,000	n	*	50	07/04/02

Comments: California D.O.H.S. Cert. #1677.
n - Not detected at the reporting limit.
*- Surrogate out of range due to dilution.

Reported by:

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0206600-1
	4703 TIDEWATER AVE., STE.B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601	***Date Sampled:***	06/18,19/02
		Date Received:	06/20/02
Attention:	FRANK POSS	***Date Analyzed:***	06/25/02
		Date Reported:	07/10/02
Project Number:	USPS / OAKLAND	***Project No.:***	575 / 2G007
Sampling Location:			
Sample ID:	MW-1		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUANTIFICATION LIMIT
Acetone	n	ug/l	5.0
Acrylonitrile	n	ug/l	5.0
Benzene	n	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5.0
n-Butylbenzene	n	ug/l	0.5
sec-Butylbenzene	n	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	n	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	n	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0206600-1

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	n	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5.0
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	n	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5.0
Methylene Chloride	n	ug/l	1.0
Methyl Tert-Butyl Ether (MTBE)	1.2	ug/l	0.5
Napthalene	n	ug/l	0.5
n-Propylbenzene	n	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5.0
tert - Butanol (TBA)	n	ug/l	50
Toluene	n	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	n	ug/l	0.5
1,3,5-Trimethylbenzene	n	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	n	ug/l	1.0
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	91.9	%	28-129
Toluene-d8	88.2	%	52-150
4-Bromofluorobenzene	71.7	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quanification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0206600-2
	4703 TIDEWATER AVE., STE.B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601	***Date Sampled:***	06/18,19/02
		Date Received:	06/20/02
Attention:	FRANK POSS	***Date Analyzed:***	06/25/02
		Date Reported:	07/10/02
Project Number:	USPS / OAKLAND	***Project No.:***	575 / 2G007
Sampling Location:			
Sample ID:	MW-2		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUANTIFICATION LIMIT
Acetone	n	ug/l	5.0
Acrylonitrile	n	ug/l	5.0
Benzene	n	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5.0
n-Butylbenzene	n	ug/l	0.5
sec-Butylbenzene	n	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	n	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	n	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0206600-2

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	n	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5.0
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	n	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5.0
Methylene Chloride	n	ug/l	1.0
Methyl Tert-Butyl Ether (MTBE)	0.9	ug/l	0.5
Napthalene	n	ug/l	0.5
n-Propylbenzene	n	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5.0
tert - Butanol (TBA)	n	ug/l	50
Toluene	n	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	n	ug/l	0.5
1,3,5-Trimethylbenzene	n	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	n	ug/l	1.0
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	98.5	%	28-129
Toluene-d8	97.6	%	52-150
4-Bromofluorobenzene	79.2	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quanification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0206600-3
	4703 TIDEWATER AVE., STE.B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601	***Date Sampled:***	06/18,19/02
		Date Received:	06/20/02
Attention:	FRANK POSS	***Date Analyzed:***	06/25/02
		Date Reported:	07/10/02
Project Number:	USPS / OAKLAND	***Project No.:***	575 / 2G007
Sampling Location:			
Sample ID:	MW-3		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUANTIFICATION LIMIT
Acetone	n	ug/l	5.0
Acrylonitrile	n	ug/l	5.0
Benzene	n	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5.0
n-Butylbenzene	n	ug/l	0.5
sec-Butylbenzene	n	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	n	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	1.7	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0206600-3

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	n	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5.0
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	n	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5.0
Methylene Chloride	n	ug/l	1.0
Methyl Tert-Butyl Ether (MTBE)	4.9	ug/l	0.5
Napthalene	n	ug/l	0.5
n-Propylbenzene	n	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5.0
tert - Butanol (TBA)	n	ug/l	50
Toluene	n	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	n	ug/l	0.5
1,3,5-Trimethylbenzene	n	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	n	ug/l	1.0
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	106	%	28-129
Toluene-d8	99.5	%	52-150
4-Bromofluorobenzene	85.3	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quanification limit.

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0206600-4
	4703 TIDEWATER AVE., STE.B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601	***Date Sampled:***	06/18,19/02
		Date Received:	06/20/02
Attention:	FRANK POSS	***Date Analyzed:***	06/25/02
		Date Reported:	07/10/02
Project Number:	USPS / OAKLAND	***Project No.:***	575 / 2G007
Sampling Location:			
Sample ID:	MW-4		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUANTIFICATION LIMIT*
Acetone	n	ug/l	25
Acrylonitrile	n	ug/l	25
Benzene	n	ug/l	2.5
Bromobenzene	n	ug/l	2.5
Bromochloromethane	n	ug/l	2.5
Bromodichloromethane	n	ug/l	2.5
Bromoform	n	ug/l	2.5
Bromomethane	n	ug/l	2.5
2-Butanone (MEK)	n	ug/l	25
n-Butylbenzene	n	ug/l	2.5
sec-Butylbenzene	n	ug/l	2.5
tert-Butylbenzene	n	ug/l	2.5
Carbon Disulfide	n	ug/l	2.5
Carbon tetrachloride	n	ug/l	2.5
Chlorobenzene	n	ug/l	2.5
Chloroethane	n	ug/l	2.5
2-Chloroethylvinylether	n	ug/l	2.5
Chloroform	n	ug/l	2.5
Chloromethane	n	ug/l	2.5
2-Chlorotoluene	n	ug/l	2.5
4-Chlorotoluene	n	ug/l	2.5
Dibromochloromethane	n	ug/l	2.5
1,2-Dibromo-3-Chloropropane	n	ug/l	2.5
1,2-Dibromoethane	n	ug/l	2.5
Dibromomethane	n	ug/l	2.5
1,2-Dichlorobenzene	n	ug/l	2.5
1,3-Dichlorobenzene	n	ug/l	2.5
1,4-Dichlorobenzene	n	ug/l	2.5
Dichlorodifluoromethane	n	ug/l	2.5
1,1-Dichloroethane	n	ug/l	2.5
1,2-Dichloroethane	n	ug/l	2.5
1,1-Dichloroethene	n	ug/l	2.5
cis-1,2-Dichloroethene	n	ug/l	2.5
trans-1,2-Dichloroethene	n	ug/l	2.5
1,2-Dichloropropane	n	ug/l	2.5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0206600-4

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	2.5
2,2-Dichloropropane	n	ug/l	2.5
1,1-Dichloropropene	n	ug/l	2.5
cis-1,3-Dichloropropene	n	ug/l	2.5
trans-1,3-Dichloropropene	n	ug/l	2.5
1,4-Dioxane	n	ug/l	125
Ethyl Benzene	n	ug/l	2.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	2.5
Hexachlorobutadiene	n	ug/l	2.5
2-Hexanone (MBK)	n	ug/l	2.5
Isopropylbenzene	n	ug/l	25
Di-Isopropyl Ether (DIPE)	n	ug/l	2.5
p-Isopropyltoluene	n	ug/l	2.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	25
Methylene Chloride	n	ug/l	50
Methyl-Tert-Butyl-Ether (MTBE)	14.1	ug/l	2.5
Napthalene	44.1	ug/l	2.5
n-Propylbenzene	n	ug/l	2.5
Styrene	n	ug/l	2.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	2.5
1,1,1,2-Tetrachloroethane	n	ug/l	2.5
1,1,2,2-Tetrachloroethane	n	ug/l	2.5
Tetrachloroethene	n	ug/l	2.5
Tetrahydrofuran	n	ug/l	25
tert-Butanol (TBA)	n	ug/l	250
Toluene	n	ug/l	2.5
1,2,3-Trichlorobenzene	n	ug/l	2.5
1,2,4-Trichlorobenzene	n	ug/l	2.5
1,1,1-Trichloroethane	n	ug/l	2.5
1,1,2-Trichloroethane	n	ug/l	2.5
Trichloroethene	n	ug/l	2.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	2.5
Trichlorofluoromethane	n	ug/l	2.5
1,2,3-Trichloropropane	n	ug/l	2.5
1,2,4-Trimethylbenzene	n	ug/l	2.5
1,3,5-Trimethylbenzene	n	ug/l	2.5
Vinyl Acetate	n	ug/l	2.5
Vinyl Chloride	n	ug/l	2.5
Total Xylenes	n	ug/l	5.0
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	104	%	28-129
Toluene-d8	102	%	52-150
4-Bromofluorobenzene	86.1	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quanification limit.
* - QL raised due to dilution required by matrix

Reported By

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0206600-TB
	4703 TIDEWATER AVE., STE.B	***Phone:***	(510) 434-9200
	OAKLAND, CA 94601	***Date Sampled:***	06/18,19/02
		Date Received:	06/20/02
Attention:	FRANK POSS	***Date Analyzed:***	07/03/02
		Date Reported:	07/10/02
Project Number:	USPS / OAKLAND	***Project No.:***	575 / 2G007
Sampling Location:			
Sample ID:	TRIP BLANK		
Sample Matrix:	WATER		
Sample Collected By:			

COMPOUND	RESULT	REPORTING UNITS	QUANTIFICATION LIMIT
Acetone	n	ug/l	5.0
Acrylonitrile	n	ug/l	5.0
Benzene	n	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5.0
n-Butylbenzene	n	ug/l	0.5
sec-Butylbenzene	n	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	n	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	n	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

BASIC LABORATORY, INC.

EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0206600-TB

COMPOUND	RESULT	REPORTING UNITS	QUALIFICATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	n	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5.0
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	n	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5.0
Methylene Chloride	n	ug/l	1.0
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	0.5
Napthalene	n	ug/l	0.5
n-Propylbenzene	n	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5.0
tert - Butanol (TBA)	n	ug/l	50
Toluene	n	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	n	ug/l	0.5
1,3,5-Trimethylbenzene	n	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	n	ug/l	1.0
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	118	%	28-129
Toluene-d8	91.7	%	52-150
4-Bromofluorobenzene	82.7	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quanification limit.

Reported By

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: PSI

PROJECT NAME: USPS - OAKLAND

PROJECT #: 575 2G007

LAB #: 0206600

ADDRESS: 4703 TIDEWATER AVE STE B OAKLAND, CA. 94601

REQUESTED COMP. DATE: 7/5/02

SAMP: 4

TURN AROUND TIME: STD [X] RUSH [ ]

PAGE 1 OF 1

PROJECT MANAGER: FRANK POSS

PHONE: 510 434 9200 FAX: 510 434 7676 E-MAIL:

INVOICE TO: PO#:

SPECIAL MAIL [ ] E-MAIL [ ] FAX [ ]

ANALYSES REQUESTED

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	TPH-G	TPH-D	VOCs (8260)	TPH-SPECIATION (TPH-D, MO)						LAB ID	REMARKS
6/18/02	14:35	X			MW-1	5	X	X	X							1	* TPH-G
"	15:35	X			MW-2	5	X	X	X							2	TPH-D/MO
6/19/02	15:30	X			MW-3	5	X	X	X							3	
"	16:00	X			MW-4	5	X		X	X						4	
		X			TRAVEL BLANK	1											HOLD T.F.N.

REP:

I.D.#

SYSTEM #:

CUST. SEAL

ICE

QC = (1) 2 3 4

PRESERVATIONS HNO_3 [X] H_2SO_4 [ ] NaOH [ ] ZnAce/NaOH [ ] HCl [ ] Matrix [X]

SAMPLED BY:	DATE/TIME: SEE ABOVE	RELINQUISHED BY:	DATE/TIME: 6/19/02 18:30
RECEIVED BY: FED Ex #8336 2023 9707	DATE/TIME: 6/19/02 18:30	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB:	DATE/TIME: 6/20/02 11AM	SAMPLE SHIPPED VIA: UPS POST BUS (FED-EX) OTHER	

INSTRUCTIONS, TERMS, CONDITIONS ON BACK