Site: Proctor & Gamble Well #11
Site ID #: KSD007130032
Break: 1.0
Other: 05-04-2007
OU #00

K A N S A S

RODERICK L. BREMBY, SECRETARY

KATHLEEN SEBELIUS, GOVERNOR

DEPARTMENT OF HEALTH AND ENVIRONMENT

May 4, 2007

Mr. Paul Roemerman
U.S. EPA Region VII, Superfund Division
901 North 5th Street
Kansas City, Kansas 66101

RE: Supplemental Sampling Assessment/Site Reassessment of the Proctor and Gamble Well #11 Site, Kansas City, Wyandotte County, Kansas
KDHE I.D. No. # C410500348
EPA I.D. KSD007130032

Dear Mr. Roemerman:

The Kansas Department of Health and Environment (KDHE) is submitting the documentation indicated above for the Procter and Gamble Well #11 site in Kansas City, Wyandotte Kansas. This reassessment was conducted to determine if a release or threat of release of hazardous substances, pollutants, or contaminants was still present in order to update a site disposition and strategy for the site. The current Comprehensive Environmental Response, Compensation, and Liabilities Act (CERCLA) status of this site is indicated as "N" or no further remedial action planned" (NFRAP) after completion of the Site Inspection; however levels of multiple hazardous substances in ground water were significantly elevated above Maximum Contaminant Levels (MCLs). The site reassessment has concluded that the likely source impacting the area near the original Procter and Gamble Well #11 appears to be emanating from an unknown source located upgradient from the Procter and Gamble facility. KDHE will investigate the new site as 26th and Bayard in the future. The CERCLA status of this site will remain as "N"; KDHE will archive this site in the next grant year. If you have any questions relative to this site, please feel free to contact me at (785) 296-8065.

Sincerely,

Randolph L. Brown, L.G.
Unit Chief, Site Assessment Unit
Remedial Section
Bureau of Environmental Remediation

rlb/Attachments
c: Site Decision File
Farrell Dallen -> Site File -> **C410500348**

40267707
Superfund Records

DIVISION OF ENVIRONMENT
Bureau of Environmental Remediation

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Kansas Department of Health and Environment

Supplemental Sampling Assessment

Procter and Gamble Well # 11 Site
Kansas City, Kansas

Bureau of Environmental Remediation

SUPPLEMENTAL SAMPLING ASSESSMENT

Procter and Gamble Well #11 Site

Kansas City, Kansas

Prepared by:
Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section
Site Assessment Program

February 2007

State ID: C4-105-00348

Project Manager: Farrell Dallen, Environmental Scientist

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Farrell Dallen, Environmental Scientist
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1.0 Introduction

This document presents the findings of a Supplemental Sampling Assessment (SSA) assessment conducted by the Kansas Department of Health and Environment (KDHE) at the Procter and Gamble Well #11 site. The assessment was conducted as part of continuing cooperative agreement with the U.S. Environmental Protection Agency (EPA) to perform investigations of selected sites to evaluate potential or actual releases of hazardous substances, pollutants, or contaminants in Kansas. These investigations are performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 and consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) 40 CFR § 300. Assessment of the site was initiated as a follow-up to a Preliminary Assessment (PA) and a Screening Site Inspection (SSI) conducted at the site in 1990 and 1991 by KDHE. The CERCLIS identification number for the site is KSD007130032.

2.0 Site Description and Location

The Procter and Gamble Well #11 site is located in an industrial area of the Armourdale District of Kansas City, Wyandotte County, Kansas. The site is located in the northeast quarter of Section 20, Township 11 South, Range 25 East. The geographic coordinates of the site are latitude 39.086710° North and longitude 94.65980° West.

The site originated when chlorinated volatile organic compounds (VOCs) were detected in the Procter and Gamble industrial Well #11 in 1988.

Procter and Gamble manufactures various types of liquid and solid soaps and detergents and cleaning products. Procter and Gamble has operated in Kansas City since the early 1900's.

The regional topography consists of rolling uplands in the divide between the Kansas and Missouri Rivers. The site is located on the relatively flat terrain of the Kansas River Valley floodplain. (Reference 1, Reference 2)

Wyandotte County had an estimated 2005 population of 155,750 persons; Kansas City had an estimated 2003 population of 145,757 persons (Reference 3).

3.0 Site Background

3.1 History

The Procter and Gamble Company started operations in Cincinnati, Ohio, in 1837 (Reference 4). In 1909, the company expanded outside Cincinnati when the facility in Kansas City, Kansas, was built. The Kansas City facility has historically used a considerable amount of ground water for industrial cooling water. In 1952 the industrial wells #11 and #12 were constructed south of the facility on the edge of the Kansas River flood control levee.

In January 1977, 2,500 gallons of epichlorohydrin leaked from an underground pipeline running to an above ground storage tank (Reference 1, Reference 2). Only 200 gallons of the material were recovered. Some 1,500 cubic feet of soil were removed to clean up contaminated soil. Four monitoring wells were installed.

In 1981, Well #11 was randomly selected as part of the Kansas Groundwater Quality Monitoring Network. The well was sampled annually for minerals, heavy metals, and pesticides until 1990 when the program switched to bi-annual sampling. The program ended in 2001. On August 12, 1988, the Procter and Gamble Well #11 was sampled for VOCs for the first time. Vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, and benzene were detected in the sample.

On May 12, 1989, an industrial inspection was conducted at the Procter and Gamble facility as part of an EPA audit of the Kansas City pretreatment program. The inspection concluded that Procter and Gamble's wastewater flow averaged 500,000 gallons a day and contained surfactants, foaming agents, and high chlorides, adversely affecting Kansas City's Kaw Point wastewater treatment plant.

KDHE conducted a Preliminary Assessment (PA) at the site in 1990 and a Screening Site Investigation (SSI) in 1991. During the PA and the SSI, ground water samples were collected from Procter and Gamble industrial wells #11 and #12 and from the two remaining monitoring wells that were installed because of the epichlorohydrin spill at the facility; two of the four monitoring wells installed in 1977 had been abandoned by 1990.

Procter and Gamble Well #11 and Well #12 were taken out of production in 1991; both wells were plugged in 2005.

3.2 Previous Investigations

Fieldwork for the PA was conducted at the site during March 1990; the report is dated July 1990 (Reference 1). Four ground water samples and one soil sample were collected for the PA. Ground water samples were collected from Procter and Gamble industrial wells, Well #11 and Well #12, and monitoring wells, MW #2-77 and MW #3-77 (MW #1-77 and MW #4-77 that were installed after the epichlorohydrin spill had been abandoned by 1990). The soil sample was collected near the northern boundary of the site. All samples were analyzed in KDHE's Kansas Health and Environmental Laboratory. Ground water samples were analyzed for minerals, heavy metals, VOCs, priority pollutant acid/base neutral extractables, and priority pollutant pesticides. The soil sample was analyzed for the same parameters except it was not analyzed for minerals.

The laboratory analytical results for ground water samples collected during the PA indicated that the VOCs 1,1-dichloroethylene, trichloroethylene, and vinyl chloride were detected at concentrations exceeding their respective Risked-based Standards for Kansas (RSK) values. When the PA and the SSI were conducted, Kansas Action Levels (KALs), which are no longer in effect, were the guidelines used to evaluate the data. 1,1-dichloroethylene was detected in all four ground water samples ranging from 0.9 µg/L to 412 µg/L, exceeding its RSK value of 7.0

μg/L in three samples. Trichloroethylene was detected at 5.9 μg/L in MW #2-77 and at 0.8 μg/L in MW #3-77; its RSK value is 5.0 μg/L. Vinyl chloride was detected in only Well #11 at 10.0 μg/L, exceeding its RSK value of 2.0 μg/L. Priority pollutant acid/base neutral extractables were not detected in any ground water sample. The pesticide, bromacil, was detected at 7.2 μg/L and 8.0 μg/L in MW #2-77 and MW #3-77, respectively, below its RSK value of 1,560 μg/L. Concentrations of minerals detected in ground water samples were typical of the alluvial aquifer in the vicinity of the site. PA laboratory analytical results for detections of VOCs in ground water samples are summarized on Table 2; sample locations are plotted on Figure 5.

VOCs, priority pollutant acid/base neutral extractables, and priority pollutant pesticides were not detected in the soil sample. Laboratory detection limits were higher than current RSK values for the soil to ground water pathway.

Epichlorohydrin was analyzed on all samples but was not detected.

Fieldwork for the SSI was conducted at the site during May 1991; the SSI report is dated September 1991 (Reference 2). Eight ground water samples and one soil sample were collected and a soil-gas survey was conducted during fieldwork for the SSI. In addition to the wells sampled during the PA, ground water samples were collected from the Colgate-Palmolive industrial wells #6a and #9a, from the Mid-West Gases industrial well, and from an abandoned industrial well located northwest of the Procter and Gamble facility. The soil-gas survey consisted of collecting soil-gas samples at various depths in five locations across the Procter and Gamble and Inland Container facilities (currently the Temple-Inland Container facility). The soil sample was collected from a depth of 18 feet below ground surface at the soil-gas location #5 near the Procter and Gamble Well #12. SSI laboratory analytical results of VOCs detected in ground water are summarized on Table 3. SSI sample locations are plotted on Figure 6.

The laboratory results on ground water samples for the SSI indicated that the VOCs 1,1-dichloroethylene, 1,2-dichloroethane, trichloroethylene, and vinyl chloride were detected at concentrations exceeding their respective RSK values. 1,1-dichloroethylene was detected in Well #11 and Well #12 at 469 μg/L and 578 μg/L, respectively, exceeding its RSK value of 7.0 μg/L. 1,2-dichloroethane was detected at 10.1 μg/L in the Colgate-Palmolive Well #9a, exceeding its RSK value of 5.0 μg/L. Trichloroethylene was detected in MW #2-77 at 9.1 μg/L, exceeding its RSK value of 5.0 μg/L. Vinyl chloride was detected in Well #11 and Well #12 at 30.9 μg/L and 2.3 μg/L, respectively, exceeding its RSK value of 2.0 μg/L. Ground water contamination at the Colgate-Palmolive facility is currently being addressed in KDHE's Voluntary Cleanup and Property Redevelopment Program (VCPRP).

The soil sample was analyzed for VOC and base/neutral extractables, however none were detected.

The soil-gas survey consisted of collecting soil-gas samples at various depths in five locations across the Procter and Gamble and Inland Container facilities. Sample locations are plotted on Figure 6. A trace of tetrachloroethylene was detected in the Probe #1 location. No VOCs were detected in the Probe #2 location. Dichloroethylene and chloroform were detected in Probe #3. Chloroform and carbon tetrachloride were detected in Probes #4 and #5.

4.0 Physical Setting

4.1 Land Use

The site is located at the Procter and Gamble facility in an industrial area the Armourdale area of Kansas City, Kansas. North of the Procter and Gamble facility is the railroad. The Kansas River is located west of the facility. East of the Procter and Gamble facility is the PQ Corporation facility. The Colgate-Palmolive facility is located south of the PQ Corporation facility. Directly south of the Procter and Gamble facility is Kansas City Board of Public Utilities Kaw Point Station and the Temple-Inland Container facility.

In addition to the Procter and Gamble Well #11 site, the PQ Corporation site and the Colgate-Palmolive site are listed on KDHE's Identified Site List (ISL).

4.2 Soils and Geology

The soils within the site area consist of the Haynie silt loam with 0 to 1% slope. The Haynie series consists of deep, nearly level, well-drained soils that are calcareous. These soils are on bottom land along the Kansas River and are formed in loamy alluvium. Haynie soils have high available water capacity; permeability is moderate (Reference 5).

The site is situated on the alluvium of the Kansas River. The alluvium is of Pleistocene age and likely of glacial origin. The alluvium is composed largely of slightly sandy silt and clay underlain by sand and gravel interbedded with lenses of silt and clay. It ranges in thickness from 60 to 100 feet and is underlain by shale and limestone (Reference 1). Using direct-push technology, refusal was met at 69 to 74 feet below ground surface along the north edge of the Procter and Gamble property, during fieldwork at the site. The former Procter and Gamble wells #11 and #12 were installed to 95 and 97 feet below ground surface, respectively.

4.3 Hydrogeology

The Kansas River is located west and south of the site and is the nearest body of surface water to the site. Investigation reports from the PQ Corporation and the Colgate-Palmolive Company indicates that ground water flow is generally to the southwest toward the Kansas River in the area, but the reports have also indicated ground water flowing to the northwest and northeast on occasion (Reference 6, Reference 7). Ground water flow direction in the area is greatly influenced by the Kansas River. The pumping of industrial wells in the area may also have influenced ground water flow direction in the area.

5.0 Targets

A search of KDHE's water well completion records (Form WWC-5) identified two domestic water wells within four miles of the site; no public water supply wells were identified within four miles of the site (Reference 8). The two domestic wells are located approximately three miles

down gradient of the site on the south side of the Kansas River. No surface water intakes were identified within 15 miles downstream of the site.

6.0 Assessment Activities

6.1 Description of Field Activities

On January 29 and 30, 2007, KDHE personnel collected ground water samples at three depths from six direct-push sample locations. Probe locations 1 through 5 were advanced along Bayard Street on the northern edge of the Procter and Gamble facility. The Probe 6 location was advanced in the area of the former Well #11. At probe locations 1 through 5, a sample was collected near the top of the water table, at 60 feet below ground surface, and at refusal. At the Probe 6 location, samples were collected at 66 feet below ground surface, at 78 feet below ground surface, and at 90 feet below ground surface.

At all sample locations samples were collected by advancing a two-foot mill slotted rod as lead rod. At the desired depth, a polyethylene tube with an attached stainless steel check valve was inserted to the bottom of the string of rods. Ground water was purged from the rod string by moving the sample tube in an up and down motion. After the sample location was purged, the sample tube was removed from the rod string, and the VOC vials were filled from the bottom of the sample tube. At each sample location except for Probe 6 at 78 feet, two unacidified VOC vials were filled for KDHE and three acidified VOC vials were filled as split samples for Procter and Gamble's consultant. At the Probe 6 location at 78 feet the sample contained so much sand that three VOC vials were collected.

Immediately after collection, all samples were placed on ice in a cooler to keep the samples at 4 °C or less for transporting to the laboratory. The samples were submitted to the KDHE Division of Health and Environmental Laboratories for VOC analysis by EPA Method 8260.

At the Probe 5 location at 60 feet below ground surface, the sample tube contained small oil droplets. A film of oily material formed on top of the purge bottle. This oily type material was not observed in the samples collected at 45 feet and 69 feet below ground surface at the Probe 5 location.

Each sample location was abandoned by filling the vacated hole to ground surface with granulated bentonite after the probe rod was removed from the ground.

6.2 Sampling Plan Deviations

There were no deviations from the Field Sampling Outline for the Procter and Gamble Well #11 site.

6.3 Quality Assurance and Quality Control

Quality assurance was achieved by sampling in agreement with the appropriate standard operating procedures in accordance with KDHE's Generic Quality Assurance Project Plan and

the Site Specific Quality Assurance Project Plan Addendum. Samples were collected as stated in the Field Sampling Plan for the Procter and Gamble Well #11 site.

7.0 Assessment Results

Laboratory analytical results on ground water samples indicated that vinyl chloride and 1,1-dichloroethylene were detected at levels exceeding their RSK values; trans 1,2-dichloroethylene, cis 1,2-dichloroethylene, trichloroethylene, and xylene were detected at levels below their RSK values. Vinyl chloride was detected in eight of the 18 samples submitted to the laboratory; laboratory results ranged from 0.54 µg/L in Probe 4 at 71.5 feet below ground surface to 12 µg/L in Probe 6 at 78 feet below ground surface. The RSK value for vinyl chloride is 2.0 µg/L. 1,1-dichloroethylene was detected in 14 of the 18 samples submitted to the laboratory; 1,1-dichloroethylene ranged from 1.4 µg/L in Probe 2 at 73 feet below ground surface to 220 µg/L in Probe 6 at 78 feet below ground surface. The RSK value for 1,1-dichloroethylene is 7.0 µg/L. Laboratory results on ground water samples are tabulated in Table 1.

The laboratory report for Probe 5 at 60 feet below ground surface indicated that many petroleum type compounds were present.

Laboratory detection limits for all compounds analyzed for this assessment are below residential RSK values.

8.0 Conclusions

For this SSA, 18 ground water samples were collected and submitted for laboratory analysis. Laboratory analytical results on the ground water samples indicated that vinyl chloride and 1,1-dichloroethylene were detected at levels exceeding their respective RSK values. These two compounds were detected at the Probe 6 location at 78 feet below ground surface, indicating that ground water contamination is still present in the area of the abandoned Procter and Gamble Well #11. The detections of vinyl chloride and 1,1-dichloroethylene in the Probe 1 and Probe 3 locations indicate that the source for these contaminants is likely upgradient of the Procter and Gamble facility.

Further CERCLA response consistent with §300 of the National Oil and Hazardous Substance Contingency Plan is not recommended for the Procter and Gamble Well #11 site. It is recommended that a new site, Bayard and 26th Street, be entered into CERCLIS and assessed to determine the source of the chlorinated hydrocarbons detected in ground water and to address the oily material observed in ground water at the Probe 5 location.

9.0 References

1. Kansas Department of Health & Environment, *Preliminary Assessment for Procter and Gamble Well #11 Kansas City, Kansas*, July 1990.

2. Kansas Department of Health & Environment, *Screening Site Investigation for Procter and Gamble Well #11 Kansas City, Kansas*, September 1991.

3. U.S. Census Bureau State and County Quick Facts available at: http://quickfacts.census.gov/gfd/.

4. Procter and Gamble history may be found at: http://en.wikipedia.org/wiki/Procter_&_Gamble

5. *Soil Survey of Leavenworth and Wyandotte County, Kansas*, United States Department of Agriculture Soil Conservation Service, in cooperation with Kansas Agricultural Experiment Station, February 1977.

6. Kansas Department of Health & Environment Remedial file C4-105-70011.

7. Kansas Department of Health & Environment Remedial file C4-105-70998.

8. Water well completion records, form WWC-5, may be found at: http://www.kgs.ku.edu/.

10.0 Appendices

Appendix 10.1

Tables and Figures

Table 1
Laboratory Analytical Results on Ground Water Samples
Procter & Gamble Well #11 Site
Kansas City, Kansas

Sample #	Date Sampled	VC ug/L	1,1-DCE ug/L	t 1,2-DCE ug/L	c 1,2-DCE ug/L	TCE ug/L
Probe 1-45'	1/29/2007	<0.50	<0.50	<0.50	<0.50	0.59
Probe 1-60'	1/29/2007	<0.50	**13**	<0.50	6.7	<0.50
Probe 1-71'	1/29/2007	0.88	**21**	0.59	7.5	<0.50
Probe 2-45'	1/29/2007	<0.50	<0.50	<0.50	<0.50	<0.50
Probe 2-60'	1/29/2007	<0.50	4.9	<0.50	2.6	<0.50
Probe 2-73'	1/29/2007	<0.50	1.4	<0.50	3.7	<0.50
Probe 3-47'	1/29/2007	0.68	**24**	<0.50	<0.50	<0.50
Probe 3-60'	1/29/2007	**4.6**	**190**	<0.50	4.8	<0.50
Probe 3-74'	1/29/2007	<0.50	5.2	<0.50	3.3	2.8
Probe 4-45'	1/30/2007	<0.50	<0.50	<0.50	<0.50	<0.50
Probe 4-60'	1/30/2007	<0.50	6.3	0.56	8.4	2.0
Probe 4-71.5'	1/30/2007	0.54	**13**	<0.50	0.6	0.87
Probe 5-45'	1/30/2007	<0.50	<0.50	<0.50	<0.50	<0.50
Probe 5-60' *	1/30/2007	<0.50	5.7	<0.50	2.9	1.5
Probe 5-69'	1/30/2007	**2.4**	**47**	<0.50	0.72	<0.50
Probe 6-66' **	1/30/2007	1.6	2.1	<0.50	<0.50	<0.50
Probe 6-78'	1/30/2007	**12**	**220**	0.86	11	<0.50
Probe 6-90'	1/30/2007	1.4	**35**	<0.50	3.3	<0.50
RSK Value		2	7	100	70	5

Source: Compiled by KDHE/BER from KDHE Division of Health and Environmental Laboratories

Comments:
ug/L = micrograms per liter
VC = Vinyl chloride
1,1-DCE = 1,1-dichloroethylene
t 1,2-DCE trans = 1,2-dichloroethylene
c 1,2-DCE = 1,2-dichloroethylene
TCE = trichloroethylene
* Xylene was detected at 0.51 ug/L; RSK value = 10,000 ug/L
Many petroleum type hydrocarbons were indicated
** tert Butyl Alcohol was detected at 12 ug/L; RSK value not established
RSK Value = Risk-based Standard for Kansas
Bold values indicate exceedance of RSK values

Table 2
Laboratory Analytical Results on Ground Water Samples
Preliminary Asssessment VOC Results
Procter & Gamble Well #11 Site
Kansas City, Kansas

Sample #	Date Sampled	VC ug/L	1,1-DCE ug/L	1,2-DCE ug/L	TCE ug/L	PCE ug/L
Well #11	3/16/1990	**10.0**	**412**	29.3	<0.60	<1.1
Well #12	3/16/1990	<0.80	**383**	0.9	<0.60	<1.1
MW #2-77	3/16/1990	<0.80	**25.6**	9.8	**5.9**	1.6
MW #3-77	3/16/1990	<0.80	0.9	0.6	0.8	<1.1
RSK Value		2	7	70	5	5

Source: Compiled by KDHE/BER from KDHE Division of Health and Environmental Laboratories

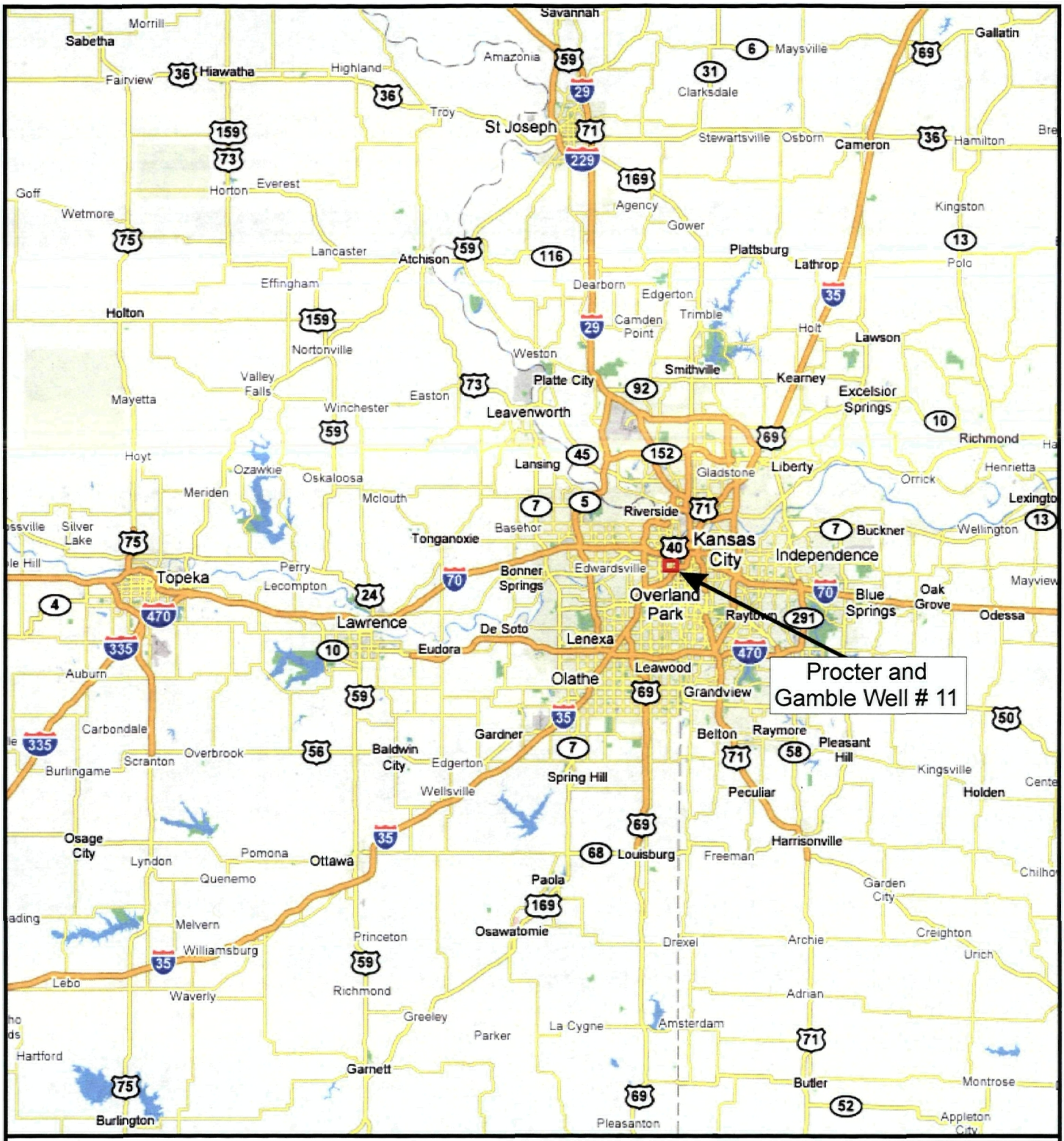
Comments: ug/L = micrograms per liter
VC = vinyl chloride
1,1-DCE = 1,1-dichloroethylene
1,2-DCE = 1,2-dichloroethylene
TCE = trichloroethylene
PCE = tetrachloroethylene
Bold values indicate exceedance of RSK values

Table 3
Laboratory Analytical Results on Ground Water Samples
Screening Site Investigation VOC Results
Procter & Gamble Well #11 Site
Kansas City, Kansas

Sample #	VC ug/L	1,1-DCE ug/L	1,2-DCA ug/L	1,2-DCE ug/L	TCE ug/L	PCE ug/L
Well #11	**30.9**	**469**	<0.5	34.1	<0.60	<1.1
Well #12	**2.3**	**578**	<0.5	1.2	<0.60	<1.1
MW #2-77	<0.80	**36.1**	<0.5	12.7	**9.1**	3.0
MW #3-77	<0.80	**7.0**	<0.5	5.5	3.2	<1.1
Col-Pal Well 6A	<0.80	<0.60	<0.5	<0.50	<0.60	<1.1
Col-Pal Well 9A	<0.80	<0.60	**10.1**	1.0	<0.60	<1.1
Abandoned Well	<0.80	<0.60	<0.5	<0.50	<0.60	<1.1
Mid-West Well	<0.80	<0.60	<0.5	<0.50	<0.60	<1.1
RSK Value	2	7	5	70	5	5

Source: Compiled by KDHE/BER from KDHE Division of Health and Environmental Laboratories

Comments: ug/L = micrograms per liter
PCE = tetrachloroethylene
VC = vinyl chloride
1,1-DCE = 1,1-dichloroethylene
1,2-DCE = 1,2-dichloroethylene
TCE = trichloroethylene
Col-Pal = Colgate-Palmolive
1,2-DCA = 1,2-dichloroethane
Bold values indicate exceedance of RSK values
Samples collected in May 1991



Scale: 0 10 20

Scale in Miles

N

Wyandotte County

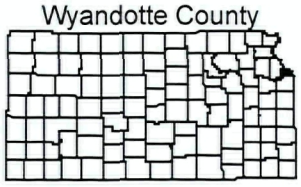
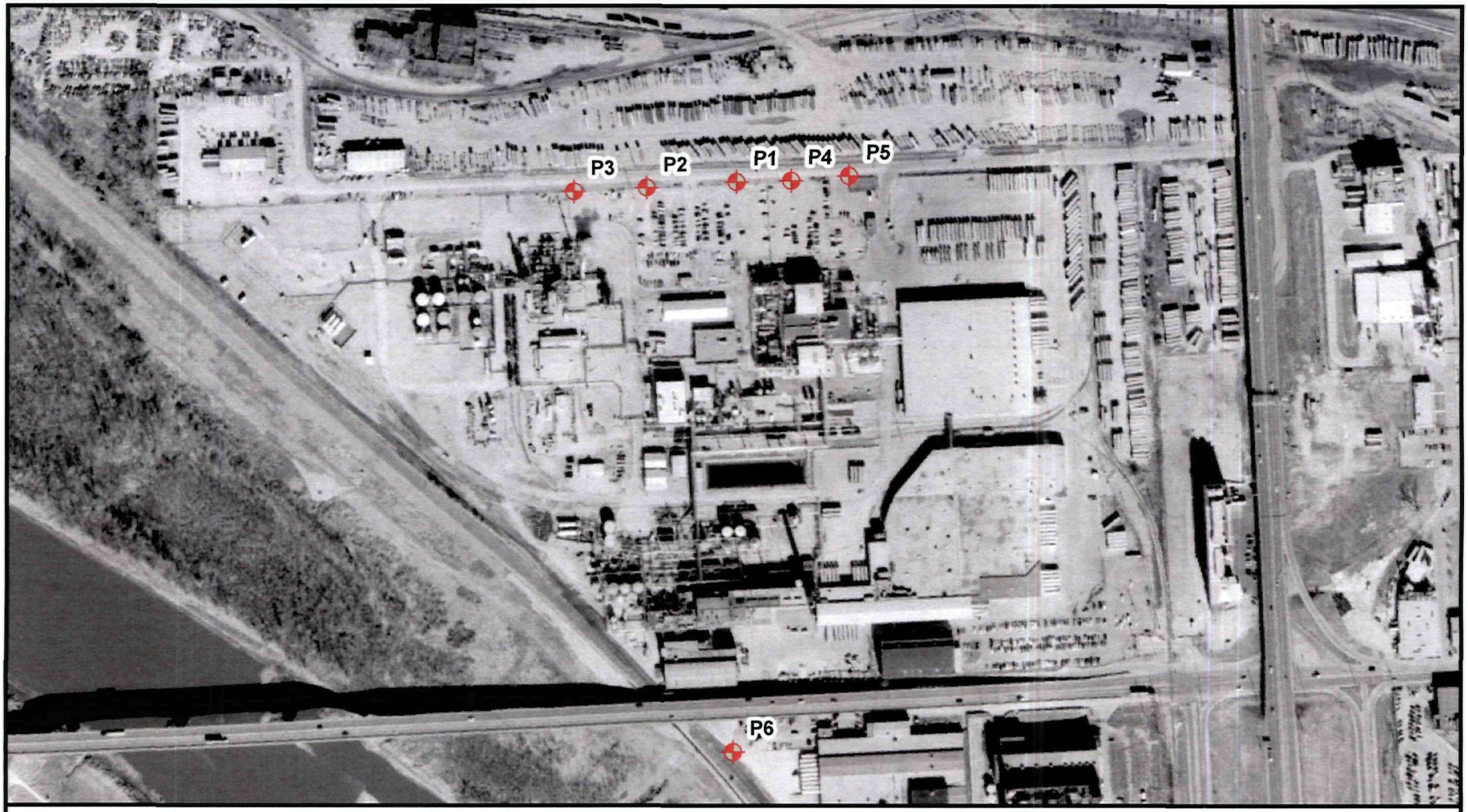


FIGURE 1

Area Map
Procter and Gamble Well #11
Kansas City, Kansas

Map prepared by KDHE

Project Manager: FD Drawn by: PBJ



Scale: 0 140 280 560 Feet

N

LEGEND

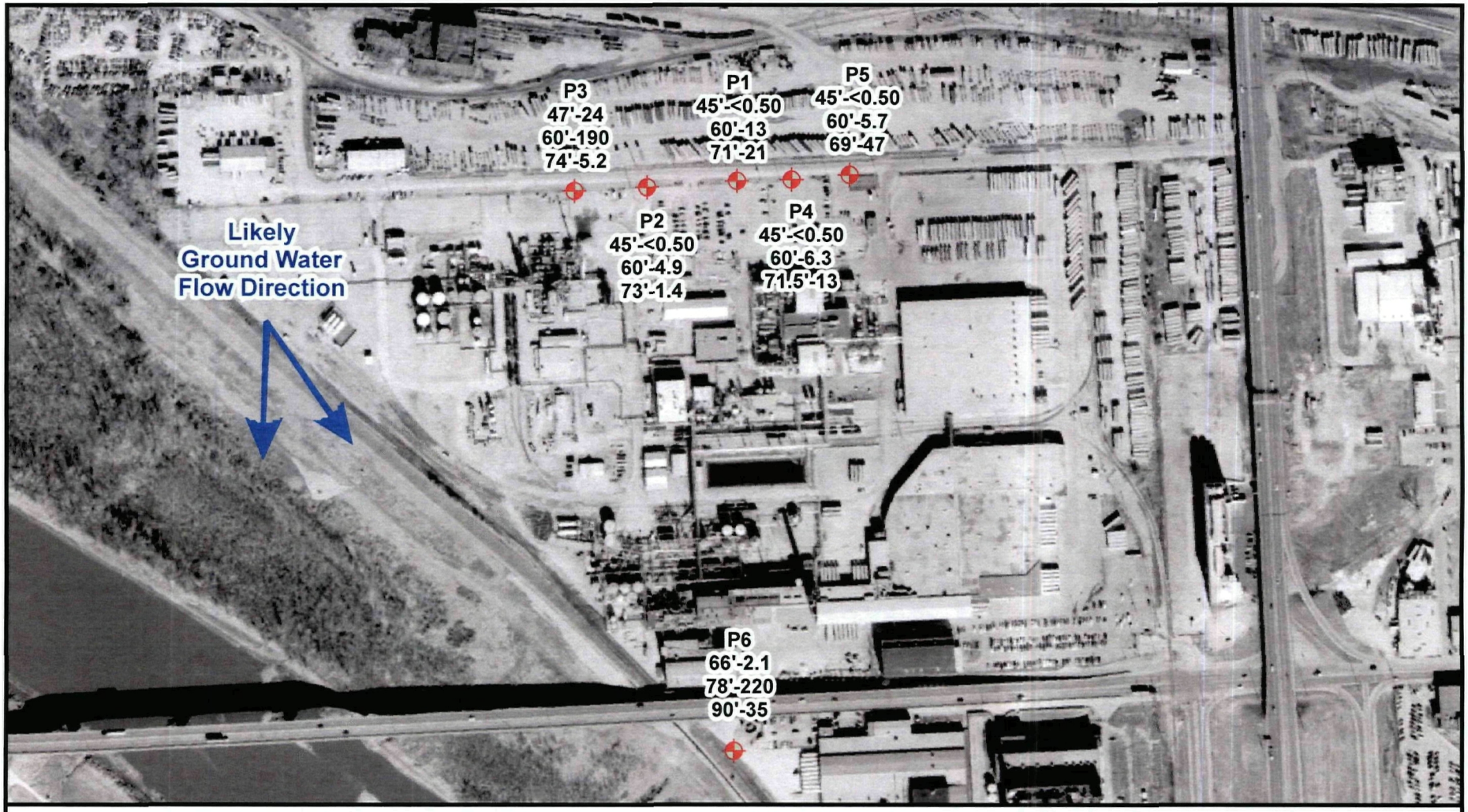
Sampling Locations

FIGURE 2

Sampling Locations
Procter and Gamble Well #11
Kansas City, Kansas

Map prepared by KDHE

Project Manager: FD Drawn by: PBJ



Scale: 0 150 300 600 Feet

N

LEGEND

Sampling Locations

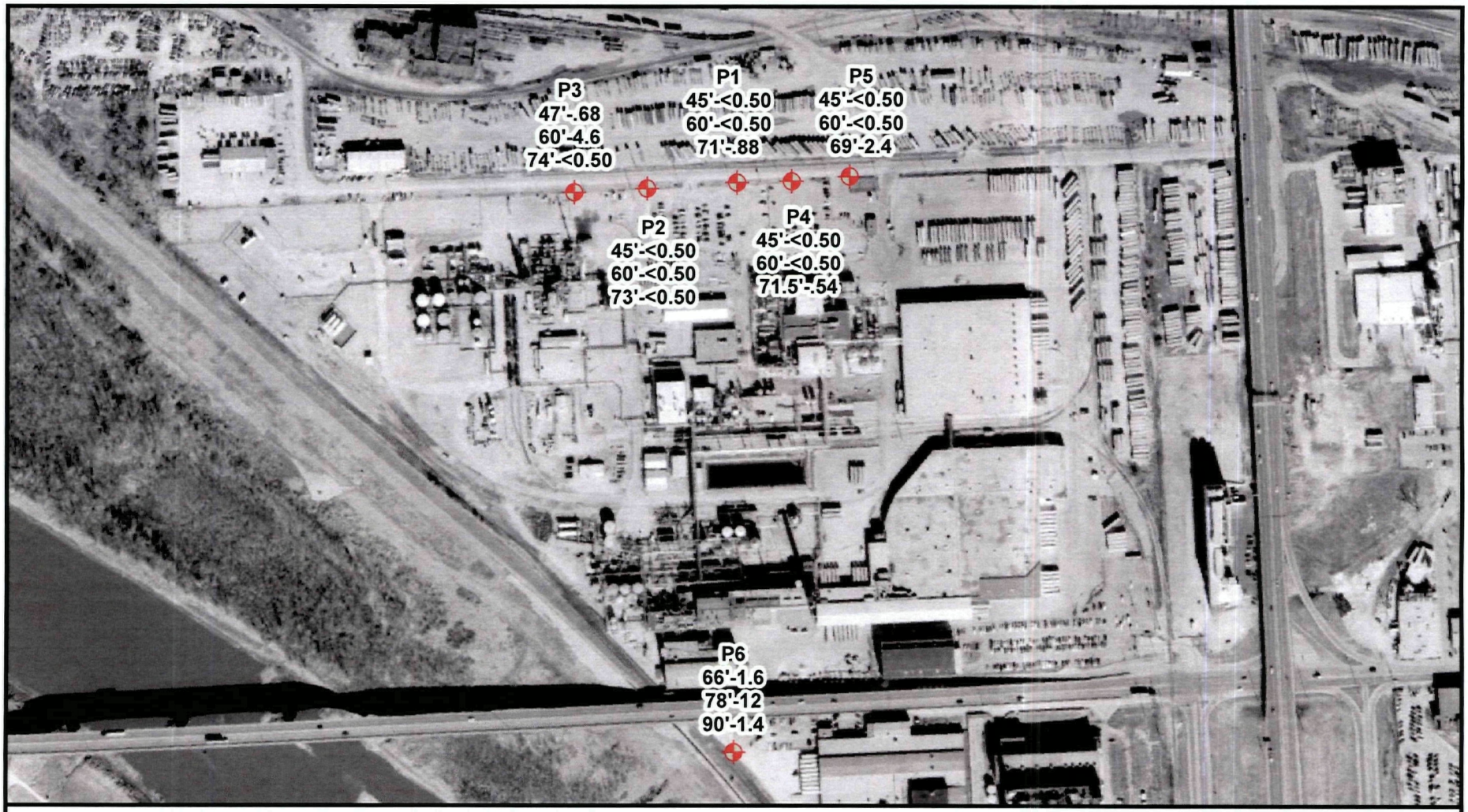
Depth'-1,1-dichlorotehylene value ug/L

FIGURE 3

Site Map with
Sampling Locations
with 1,1-Dichloroethylene Results
Procter and Gamble Well #11
Kansas City, Kansas

Map prepared by KDHE

Project Manager: FD Drawn by: PBJ



Scale: 0 145 290 580 Feet

N

LEGEND

Sampling Locations

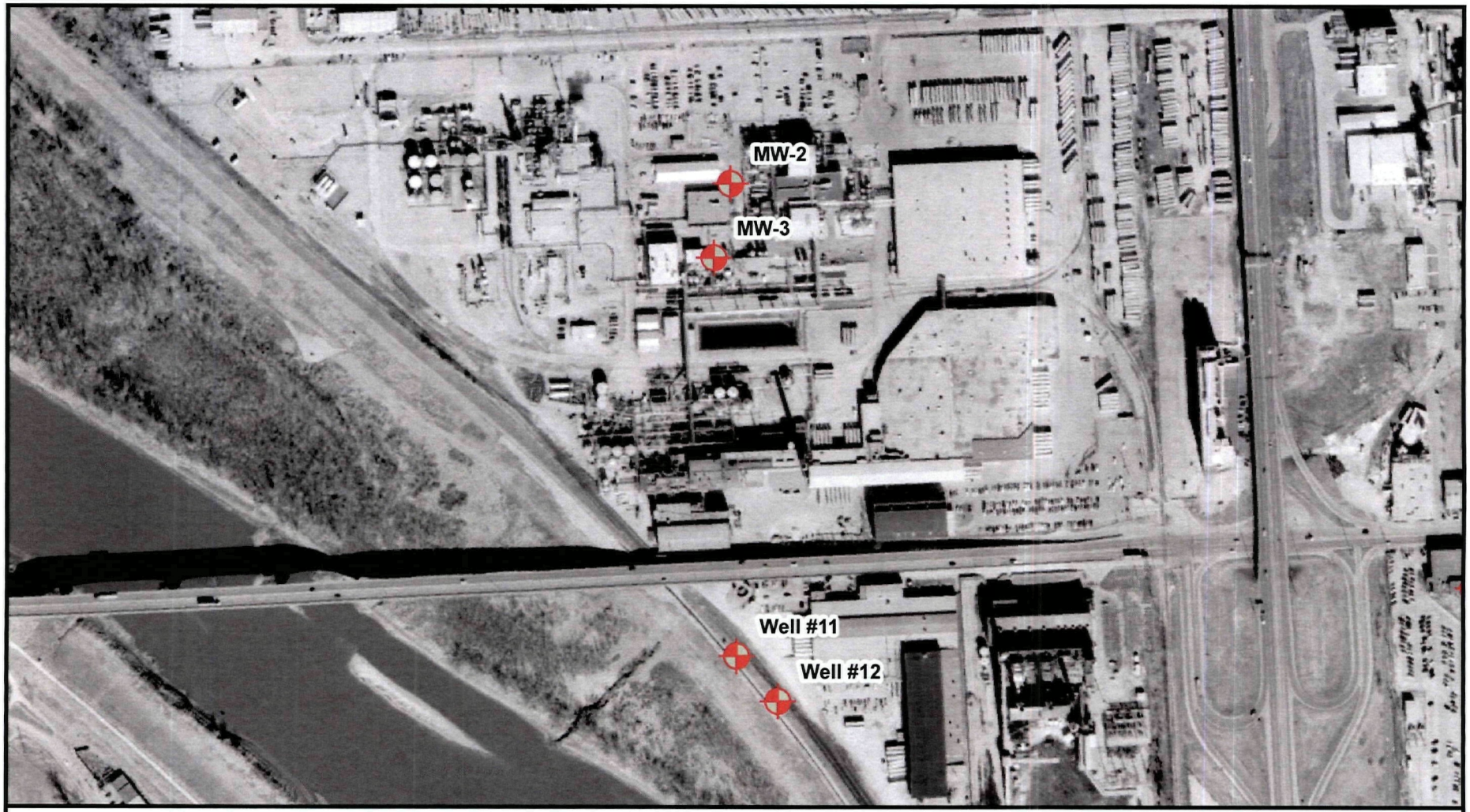
Depth'-Vinyl Chloride value ug/L

FIGURE 4

Site Map with
Sampling Locations
with Vinyl Chloride Results
Procter and Gamble Well #11
Kansas City, Kansas

Map prepared by KDHE

Project Manager: FD Drawn by: PBJ



Scale: 0 165 330 660 Feet

N

LEGEND

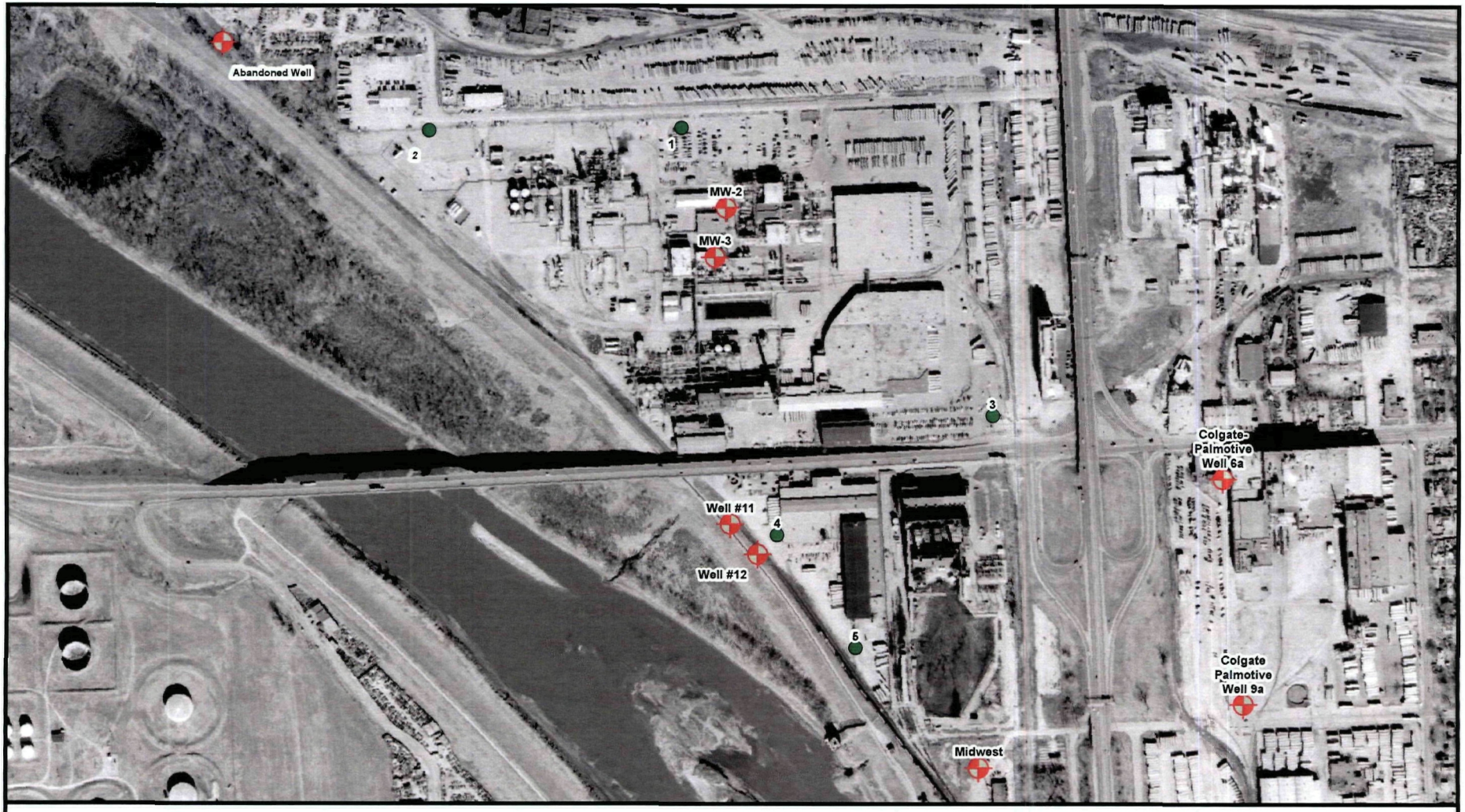
Ground Water Sample

FIGURE 5

Preliminary Assessment
Sampling Locations
Procter and Gamble Well #11
Kansas City, Kansas

Map prepared by KDHE

Project Manager: FD Drawn by: PBJ



Scale: 0 260 520 1,040 Feet

N

LEGEND

- Soil Gas Probe Location
- Ground Water Sample

FIGURE 6

Screening Site Investigation
Sampling Locations
Procter and Gamble Well #11
Kansas City, Kansas

Map prepared by KDHE

Project Manager: FD Drawn by: PBJ

Appendix 10.2

Photographic Documentation

Procter and Gamble Well #11 Site

Photo 1
View: South
Date: 1/30/2007
Photographer: Farrell Dallen
Comment: Cone is sitting on Probe 1 location. View of north side of Procter and Gamble facility.

Photo 2
View: South
Date: 1/30/2007
Photographer: Farrell Dallen
Comment: Cone is sitting on Probe 2 location. View of north side of Procter and Gamble facility.

Procter and Gamble Well #11 Site

Photo 3
View: South
Date: 1/30/2007
Photographer: Farrell Dallen
Comment: Cone is sitting on Probe 3 location. View of north side of Procter and Gamble facility.

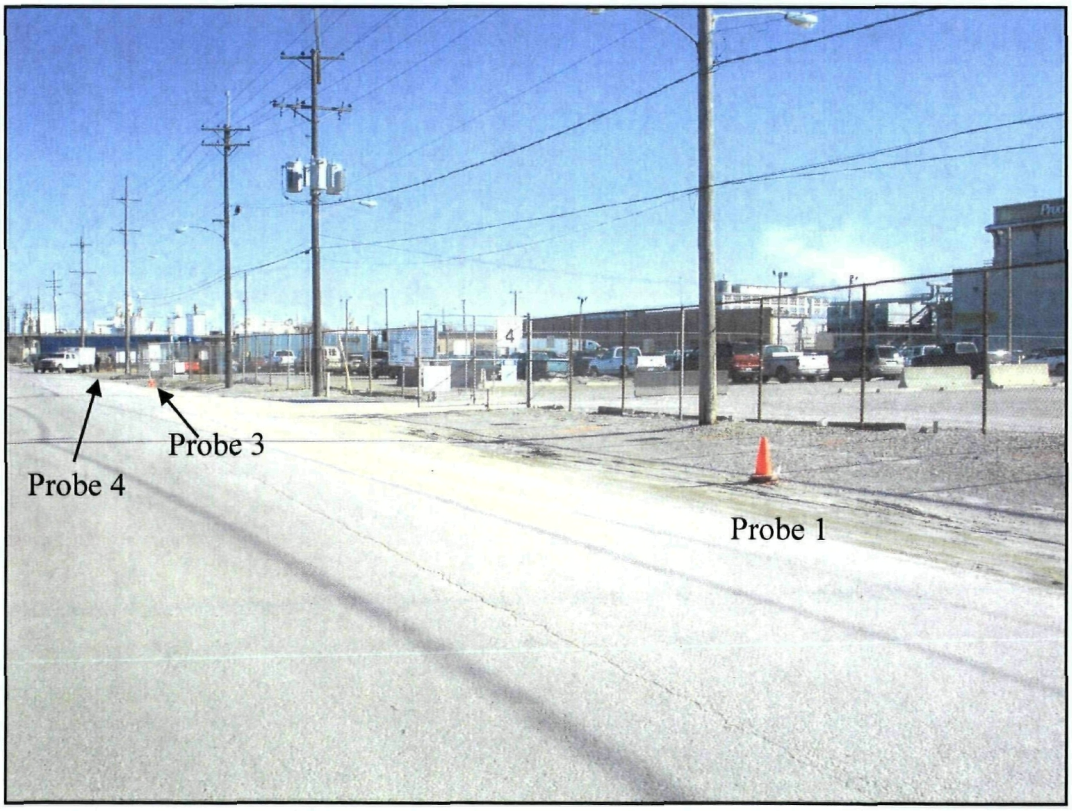


Photo 4
View: Southeast
Date: 1/30/2007
Photographer: Farrell Dallen
Comment: Cone is sitting on Probe 1 location. Geoprobe is sitting on Probe 5 location. View of north side of Procter and Gamble facility.

Procter and Gamble Well #11 Site

Photo 5
View: South Southwest
Date: 1/30/2007
Photographer: Farrell Dallen
Comment: Cone is sitting on Probe 3 location.

Photo 6
View: North
Date: 1/30/2007
Photographer: Farrell Dallen
Comment: Cone is sitting on Probe 6 location.

Appendix 10.3

Analytical Data

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485500
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 1-45 No. Composited:
Collected By: CREGAN/DALLEN Depth: 45 Date: 01/29/07 Time: 10:40

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/30/07	8260
1,1-Dichloroethylene	< 0.50	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	< 0.50	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	0.59	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	0.59	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce

< - Not Detected at Indicated Level

RECEIVED
FEB 05 2007
BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Bolline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
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CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485501
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 1-60 No. Composited:
Collected By: CREGAN/DALLEN Depth: 60 Date: 01/29/07 Time: 10:55

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/30/07	8260
1,1-Dichloroethylene	13	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	6.7	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce RLP < - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
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CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485502
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 1-71 No. Composited:
Collected By: CREGAN/DALLEN Depth: 71 Date: 01/29/07 Time: 11:10

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	0.88	01/30/07	8260
1,1-Dichloroethylene	21	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	0.59	01/30/07	8260
cis 1,2-Dichloroethylene	7.5	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
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CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485503
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 2-45 No. Composited:
Collected By: CREGAN/DALLEN Depth: 45 Date: 01/29/07 Time: 12:55

VOLATILE ORGANIC COMPOUNDS	*CONCENTRATION (ug/L)*	*Analysis Date*	*EPA Method*
Vinyl Chloride	< 0.50	01/30/07	8260
1,1-Dichloroethylene	< 0.50	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	< 0.50	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
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CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485504
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 2-60 No. Composited:
Collected By: CREGAN/DALLEN Depth: 60 Date: 01/29/07 Time: 13:10

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/30/07	8260
1,1-Dichloroethylene	4.9	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	2.6	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485505
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 2-73 No. Composited:
Collected By: CREGAN/DALLEN Depth: 73 Date: 01/29/07 Time: 13:25

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/30/07	8260
1,1-Dichloroethylene	1.4	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	3.7	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485506
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 3-47 No. Composited:
Collected By: CREGAN/DALLEN Depth: 47 Date: 01/29/07 Time: 14:15

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	0.68	01/30/07	8260
1,1-Dichloroethylene	24	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	< 0.50	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce

< - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485507
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 3-60 No. Composited:
Collected By: CREGAN/DALLEN Depth: 60 Date: 01/29/07 Time: 14:30

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	4.6	01/30/07	8260
1,1-Dichloroethylene	190	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	4.8	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	< 0.50	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce

< - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485508
Address: ATTENTION FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/30/07
TOPEKA, KS 66612 Report Date: 02/01/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTOR & GAMBLE PROBE 3-74 No. Composited:
Collected By: CREGAN/DALLEN Depth: 74 Date: 01/29/07 Time: 14:45

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/30/07	8260
1,1-Dichloroethylene	5.2	01/30/07	8260
Dichloromethane	< 0.50	01/30/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/30/07	8260
cis 1,2-Dichloroethylene	3.3	01/30/07	8260
1,1,1-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloromethane	< 0.50	01/30/07	8260
Benzene	< 0.50	01/30/07	8260
1,2-Dichloroethane	< 0.50	01/30/07	8260
Trichloroethylene	2.8	01/30/07	8260
1,2-Dichloropropane	< 0.50	01/30/07	8260
Toluene	< 0.50	01/30/07	8260
1,1,2-Trichloroethane	< 0.50	01/30/07	8260
Tetrachloroethylene	< 0.50	01/30/07	8260
Chlorobenzene	< 0.50	01/30/07	8260
Ethylbenzene	< 0.50	01/30/07	8260
Xylene	< 0.50	01/30/07	8260
Styrene	< 0.50	01/30/07	8260
1,4-Dichlorobenzene	< 0.50	01/30/07	8260
1,2-Dichlorobenzene	< 0.50	01/30/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/30/07	8260
Chloromethane	< 0.50	01/30/07	8260
Bromomethane	< 0.50	01/30/07	8260
Chloroethane	< 0.50	01/30/07	8260
1,1-Dichloroethane	< 0.50	01/30/07	8260
2,2-Dichloropropane	< 0.50	01/30/07	8260
Trichloromethane (THM)	< 0.50	01/30/07	8260
1,1-Dichloropropene	< 0.50	01/30/07	8260
Dibromomethane	< 0.50	01/30/07	8260
Bromodichloromethane (THM)	< 0.50	01/30/07	8260
1,3-Dichloropropane	< 0.50	01/30/07	8260
Dibromochloromethane (THM)	< 0.50	01/30/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromoform (THM)	< 0.50	01/30/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/30/07	8260
Bromobenzene	< 0.50	01/30/07	8260
1,2,3-Trichloropropane	< 0.50	01/30/07	8260
ortho-Chlorotoluene	< 0.50	01/30/07	8260
para-Chlorotoluene	< 0.50	01/30/07	8260
1,3-Dichlorobenzene	< 0.50	01/30/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/30/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/30/07	8260
Fluorotrichloromethane	< 0.50	01/30/07	8260
Dichlorodifluoromethane	< 0.50	01/30/07	8260
Isopropylbenzene	< 0.50	01/30/07	8260
n-Propylbenzene	< 0.50	01/30/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/30/07	8260
tert-Butylbenzene	< 0.50	01/30/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/30/07	8260
sec-Butylbenzene	< 0.50	01/30/07	8260
para-Isopropyltoluene	< 0.50	01/30/07	8260
n-Butylbenzene	< 0.50	01/30/07	8260
Naphthalene	< 0.50	01/30/07	8260
Methyl tert-butyl ether	< 0.50	01/30/07	8260

Chemist: Richard L. Pierce

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485622
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 4-45 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0045 Date: 01/30/07 Time: 10:35

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/31/07	8260
1,1-Dichloroethylene	< 0.50	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	< 0.50	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	< 0.50	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce

< - Not Detected at Indicated Level

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485623
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 4-60 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0060 Date: 01/30/07 Time: 10:50

VOLATILE ORGANIC COMPOUNDS	*CONCENTRATION (ug/L)*	*Analysis Date*	*EPA Method*
Vinyl Chloride	< 0.50	01/31/07	8260
1,1-Dichloroethylene	6.3	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	0.56	01/31/07	8260
cis 1,2-Dichloroethylene	8.4	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	2.0	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	0.51	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
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Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485624
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE ~~5-45~~ 4-7.5 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: ~~0045~~ 7.5 Date: 01/30/07 Time: 11:10

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	0.54	01/31/07	8260
1,1-Dichloroethylene	13	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	0.60	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	0.87	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
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CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485625
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 5-45 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0045 Date: 01/30/07 Time: 12:55

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	01/31/07	8260
1,1-Dichloroethylene	< 0.50	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	< 0.50	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	< 0.50	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485626
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 5-60 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0060 Date: 01/30/07 Time: 13:30

VOLATILE ORGANIC COMPOUNDS	*CONCENTRATION (ug/L)*	*Analysis Date*	*EPA Method*
Vinyl Chloride	< 0.50	01/31/07	8260
1,1-Dichloroethylene	5.7	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	2.9	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	1.5	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	0.77	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	0.51	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Comment: Many petroleum type hydrocarbons were indicated.

Chemist: Richard L. Pierce < - Not Detected at Indicated Level

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485627
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE - PROBE 5-69 No. Composited:
Collected By: LABUDA/DALLEN - KDHE/BER Depth: 0069 Date: 01/30/07 Time: 13:45

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	2.4	01/31/07	8260
1,1-Dichloroethylene	47	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	0.72	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	< 0.50	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485628
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 6-66 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0066 Date: 01/30/07 Time: 16:10

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	1.6	01/31/07	8260
1,1-Dichloroethylene	2.1	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	< 0.50	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	< 0.50	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260
tert-Butyl Alcohol	12	01/31/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485629
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 6-78 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0078 Date: 01/30/07 Time: 16:20

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	12	01/31/07	8260
1,1-Dichloroethylene	220	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	0.86	01/31/07	8260
cis 1,2-Dichloroethylene	11	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	< 0.50	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce

< - Not Detected at Indicated Level

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

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DIVISION OF HEALTH & ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV REMEDIATION Analysis Code: VG Lab Number: 485630
Address: ATTN: FARRELL DALLEN, CURTIS SOB SUITE 410 Date Rec'd: 01/31/07
TOPEKA, KS 66612 Report Date: 02/13/07

Site ID No.:
Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: C4-105-00348 PROCTER & GAMBLE PROBE 6-90 No. Composited:
Collected By: LABUDA-DALLEN - KDHE/BER Depth: 0090 Date: 01/30/07 Time: 16:45

VOLATILE ORGANIC COMPOUNDS	*CONCENTRATION (ug/L)*	*Analysis Date*	*EPA Method*
Vinyl Chloride	1.4	01/31/07	8260
1,1-Dichloroethylene	35	01/31/07	8260
Dichloromethane	< 0.50	01/31/07	8260
trans 1,2-Dichloroethylene	< 0.50	01/31/07	8260
cis 1,2-Dichloroethylene	3.3	01/31/07	8260
1,1,1-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloromethane	< 0.50	01/31/07	8260
Benzene	< 0.50	01/31/07	8260
1,2-Dichloroethane	< 0.50	01/31/07	8260
Trichloroethylene	< 0.50	01/31/07	8260
1,2-Dichloropropane	< 0.50	01/31/07	8260
Toluene	< 0.50	01/31/07	8260
1,1,2-Trichloroethane	< 0.50	01/31/07	8260
Tetrachloroethylene	< 0.50	01/31/07	8260
Chlorobenzene	< 0.50	01/31/07	8260
Ethylbenzene	< 0.50	01/31/07	8260
Xylene	< 0.50	01/31/07	8260
Styrene	< 0.50	01/31/07	8260
1,4-Dichlorobenzene	< 0.50	01/31/07	8260
1,2-Dichlorobenzene	< 0.50	01/31/07	8260
1,2,4-Trichlorobenzene	< 0.50	01/31/07	8260
Chloromethane	< 0.50	01/31/07	8260
Bromomethane	< 0.50	01/31/07	8260
Chloroethane	< 0.50	01/31/07	8260
1,1-Dichloroethane	< 0.50	01/31/07	8260
2,2-Dichloropropane	< 0.50	01/31/07	8260
Trichloromethane (THM)	< 0.50	01/31/07	8260
1,1-Dichloropropene	< 0.50	01/31/07	8260
Dibromomethane	< 0.50	01/31/07	8260
Bromodichloromethane (THM)	< 0.50	01/31/07	8260
1,3-Dichloropropane	< 0.50	01/31/07	8260
Dibromochloromethane (THM)	< 0.50	01/31/07	8260
1,1,1,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromoform (THM)	< 0.50	01/31/07	8260
1,1,2,2-Tetrachloroethane	< 0.50	01/31/07	8260
Bromobenzene	< 0.50	01/31/07	8260
1,2,3-Trichloropropane	< 0.50	01/31/07	8260
ortho-Chlorotoluene	< 0.50	01/31/07	8260
para-Chlorotoluene	< 0.50	01/31/07	8260
1,3-Dichlorobenzene	< 0.50	01/31/07	8260
Ethylene Dibromide (EDB)	< 0.010	01/31/07	8260
1,2-Dibromo-3-chloropropane	< 0.020	01/31/07	8260
Fluorotrichloromethane	< 0.50	01/31/07	8260
Dichlorodifluoromethane	< 0.50	01/31/07	8260
Isopropylbenzene	< 0.50	01/31/07	8260
n-Propylbenzene	< 0.50	01/31/07	8260
1,3,5-Trimethylbenzene	< 0.50	01/31/07	8260
tert-Butylbenzene	< 0.50	01/31/07	8260
1,2,4-Trimethylbenzene	< 0.50	01/31/07	8260
sec-Butylbenzene	< 0.50	01/31/07	8260
para-Isopropyltoluene	< 0.50	01/31/07	8260
n-Butylbenzene	< 0.50	01/31/07	8260
Naphthalene	< 0.50	01/31/07	8260
Methyl tert-butyl ether	< 0.50	01/31/07	8260

Chemist: Richard L. Pierce RLP

< - Not Detected at Indicated Level

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FEB 16 2007
BUREAU OF ENVIRONMENTAL REMEDIATION

Duane R. Boline, Ph.D., Director
Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB Ste 410

Collection Site: CY-105-00348 Procter & Gamble Pride 1-45
Legal / Project Code / Name / PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 45 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregan/Dallen KDHE/BER Date: 1-29-07 Time: 1040
Name / Agency (Abbr) / Mo Day Yr / 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - 4mg acidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By _____

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001 *Instructions for this form are printed on the reverse side*

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB St 410

Collection Site: CY-105-00348 Procter & Gamble Probe1-60
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 60 Feet

Sample Type: Water Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregan/Dallen KDHE/BER Date: 1-29-07 Time: 1055
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN EP ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By _____

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001

Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB Ste 410

Collection Site: CY-105-00348 Procter & Gamble Pride 1-71
Legal / Project Code / Name

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 71 Feet (PWS Acct. No.)

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregg/Dallen KDHE/BER Date: 1-29-07 Time: 11 10
Name / Agency (Abbr) / Mo Day Yr / 24 Hour

Program Code:

EA	EB	EC	ED	EE	EF	EG	EH	EK	EL	EM	EN	(EP)	ET	EW	EX	EZ
ES	FK	LM	SC	SE	SG	SN	SP	SW	PC	PD	PE	PG	PI	PL	PP	PT
PU	PV	WE	WI	HD	HF	HL	HS	RP	AR	GS	KC	US	AQ	RT	WC	

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001 *Instructions for this form are printed on the reverse side*

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB Ste 410

Collection Site: CY-105-00348 Procter & Gamble Pride 2-45
Legal / Project Code / Name / PWS Acct No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 45 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Gregg/Dallen KDHE/BER Date: 1-29-07 Time: 1255
Name / Agency (Abbr) / Mo Day Yr / 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - 40ml acidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By _____

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001 *Instructions for this form are printed on the reverse side*

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB St 410

Collection Site: CY-105-00348 Procter & Gamble Probe 2-60
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 60 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregan/Dallen KDHE/BER Date: 1-29-07 Time: 1310
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code:

EA	EB	EC	ED	EE	EF	EG	EH	EK	EL	EM	EN	(EP)	ET	EW	EX	EZ
ES	FK	LM	SC	SE	SG	SN	SP	SW	PC	PD	PE	PG	PI	PL	PP	PT
PU	PV	WE	WI	HD	HF	HL	HS	RP	AR	GS	KC	US	AQ	RT	WC	

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001

Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB St 410

Collection Site: CY-105-00348 Procter & Gamble Probe 2-73
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 73 Feet

Sample Type: Water Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregan/Dallen KDHE/BER Date: 1-29-07 Time: 1325
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN EP ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001

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Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB St 410

Collection Site: C4-105-00348 Procter & Gamble Probe 3-47
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: __ __ 4 7 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregan/Dallen KDHE/BER Date: 1 - 29 - 07 Time: 14 15
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By _____

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB St 410

Collection Site: CY-105-00348 Procter & Gamble Probe 3.60"
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: __ __ 6 0 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Cregan/Dallen KDHE/BER Date: 1 - 29 - 07 Time: 1 4 3 0
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: _____
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson COB Ste 410

Collection Site: CY-105-00348 Procter & Gamble PrDe3-74
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 14 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: Gregg/Dallen KDHE/BER Date: 1-29-07 Time: 1445
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 - unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-30-07 Relinquished By Farrell Dallen Received By _____

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Nur 0485622 VG
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 4-45 4EMSC
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: __ __ 4 5 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1 -30 -07 Time: 1 0 3 5
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified~~: ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem _____ DO _____ NUT _____ HM _____ CN _____ O&G _____ Phenol _____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DIV. OF HAE
2000 JAN 31

DHEL-01/2001

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Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab No. 0485623 VG
Date Received: _____
Analysis Code: _____

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble : Pribe 4-60 L/EM8
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 6 0 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1-30-07 Time: 1050
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DHEL-01/2001

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DIV. ... 2006 JAN 31 AM 10:...

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: 0485624 VG
Date Received:
Analysis Code:

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 4 - 71.5 4EM
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 71.5 Feet

Sample Type: Water Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: Regular Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1-30-07 Time: 11:10
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN EP ET EW EX EZ ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified~~: ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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2006 JAN 31

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Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: 0485625 VG
Date Received:
Analysis Code: ~~8~~ 4EM80

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 5-45
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 4 5 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1-30-07 Time: 1255
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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2006 JAN 31 AM 10:01

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Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab I 0485626 VG

Date Received: _____

Analysis Code: 4Em8

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 5.60
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 6 0 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1-30-07 Time: 1330
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratorie
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: 0485627 VC
Date Received:
Analysis Code: 4EM80

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 5-69
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 69 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1-30-07 Time: 1345
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified:~~ ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

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Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: 0485628 VG
Date Received:
Analysis Code: 4Em80

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 6-66
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: 6 6 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1 -30 -07 Time: 1 6 1 0
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified~~: ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DIV. OF H&E
2006 JAN 31 PM 1:

DHEL-01/2001

Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: 0485629 VG
Date Received: _____
Analysis Code: 4EM80

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB St 410

Collection Site: C4-105-00348 Procter + Gamble · Pribe 6-78
Legal Project Code Name PWS Acct. No.

Site ID Number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Collection Depth: __ __ 7 8 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1 -30 -07 Time: 1 6 2 0
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code: EA EB EC ED EE EF EG EH EK EL EM EN (EP) ET EW EX EZ
ES FK LM SC SE SG SN SP SW PC PD PE PG PI PL PP PT
PU PV WE WI HD HF HL HS RP AR GS KC US AQ RT WC

Organic Chemistry Laboratory

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified~~: ☐ 3 unacidified

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments: _____

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date _____ Relinquished By _____ Received By _____

Date _____ Relinquished By _____ Received By _____

Additional Reports Routed To:

Name _____ Address _____

Name _____ Address _____

Name _____ Address _____

DIV. OF H&E

DHEL-01/2001

Instructions for this form are printed on the reverse side

Kansas Department of Health and Environment
Division of Health and Environmental Laboratories
Forbes Field, Building 740
Topeka, Kansas 66620-0001

Lab Number: 0485630 VG
Date Received:
Analysis Code: CEM80

Sample Submission Form

Report To: Farrell Dallen Address: 1000 SW Jackson CSOB Ste 410

Collection Site: C4-105-00348 Procter + Gamble : Pride 6-90
Legal Project Code Name PWS Acct. No.

Site ID Number: Collection Depth: 90 Feet

Sample Type: (Water) Soil Sediment Sludge Air Oil Solid Liquid Wipe Priority: (Regular) Moderate Urgent

Sample Collector: LaBuda/Dallen KDHE/BER Date: 1-30-07 Time: 1645
Name Agency (Abbr) Mo Day Yr 24 Hour

Program Code:

EA	EB	EC	ED	EE	EF	EG	EH	EK	EL	EM	EN	(EP)	ET	EW	EX	EZ
ES	FK	LM	SC	SE	SG	SN	SP	SW	PC	PD	PE	PG	PI	PL	PP	PT
PU	PV	WE	WI	HD	HF	HL	HS	RP	AR	GS	KC	US	AQ	RT	WC	

Organic Chemistry Laboratory

2 unacidified

Check Desired Analysis: ☐ Other _____ ~~VOC Sample Acidified~~: ☐

☒ Volatiles Method: ☐ 624 ☒ 8260 ☐ 524.2 ☐ Pesticides Method: ☐ 608 ☐ 8080 ☐ 507/8

☐ Acids Method: ☐ 625 ☐ 8270 ☐ Base/Neutrals Method: ☐ 625 ☐ 8270 ☐ 525.2

☐ PCB's Method: ☐ 608 ☐ 8080 ☐ Oil ☐ Herbicides Method: ☐ 615 ☐ 8150 ☐ 515.1

Inorganic Chemistry Laboratory

Bottle Nos.: Chem ____ DO ____ NUT ____ HM ____ CN ____ O&G ____ Phenol ____

Check Desired Analysis: ☐ Other _____

☐ Metals ☐ Mercury ☐ Mineral ☐ TCLP

Radiation Chemistry Laboratory

Check Desired Analysis: ☐ Other _____

☐ Gross Alpha ☐ Gross Uranium ☐ Ra-226 ☐ Ra-228

Sample Comments:

Chain of Custody:

Date 1-31-07 Relinquished By Mike LaBuda Received By [signature]

Date ____ Relinquished By ____ Received By ____

Date ____ Relinquished By ____ Received By ____

Additional Reports Routed To:

Name ____ Address ____

Name ____ Address ____

Name ____ Address ____

DHEL-01/2001 *Instructions for this form are printed on the reverse side*

Appendix 10.4

Field Notes

BUREAU OF ENVIRONMENTAL REMEDIATION

Project Log Book

Procter & Gamble CH-105-00348

PROJECT NAME - CITY

Jim Mahoney 913-573-0241 - P+G Environmental

1-29-07

John Cregon & Farrell Dallen KDHE personnel met with Aaron BPY Water & Gas - clear for water & gas at points on Bayard SM&P Locator on site. 5400 Geoprobe

Points cleared - ~ north of former MW locations - 180' & 360' east ; 200 ft & 400 ft west

Jim Mahoney from P&G on site
Tina Wood & P. Short from Arcadis on site

Probe 1 location pushed to 45' BGS
SWL - ~40.5' BGS @ 10:40 coll 2 unacid VOC
purged ~400 ml
collected acidified split for Arcadis

pushed to 60' BGS purged 2 liters
@ 10:55 collected 2 unacid VOS
split smpls with Arcadis

Refusal at 71' BGS purged 3 liters
@ 11:10 collected 2 unacidified VOC's
split ... 3 acidified VOC's with Arcadis

Probe 2 - located 200' west of Probe 1
pushed to 45' BGS SWL ~ 42.5' BGS
@ 12:55 coll 2 unacidified VOC split with Arcadis
pushed to 60' BGS @ 1310 coll 2 unacid VOC
split with Arcadis - 3 acidified VOC vial
- Refusal @ 73' BGS
1323 collects 2 unacid for VOC.
3 acidified for Arcadis

1.29.07 cont

Probe 3 400' west of P.1
Pushed to 45' BGS - mud plug in rod
Pushed to 47' BGS purged 1 liter
@ 14:15 collected 2 unacidified VOC Arcadis 3 acidified

Pushed to 60' BGS purged 2 liters
@ 14:36 collected 2 unacidified VOC Arcadis - 3 acidified

Refusal at 74' BGS
1445 collected 2 unacidified VOC
3 acidified for Arcadis

1-30-07 Lake LaFade Farrell
Probe 4 - 185' East Probe 1
pushed to 45' SW 39.5 BGS
purged 1 Liter @ 10:35 2 unacidified VOC
3 acidified VOC for Arcadis
pushed to 60' purged 2 liters
@ 10:50 collected 2 unacidified VOC
3 acidified for Arcadis
Refusal @ 71.5' BGS purged - 2 liters
@ 11:10 collected 2 unacidified VOC
3 acidified for Arcadis

CBS	°N	°W	°C
Prob. 1	39.09138	94.65453	16
2	39.09144	94.65517	16
3	39.09144	94.65601	20
4	39.09142	94.65394	17
5	39.09138	94.65324	17
6	39.08688	94.65478	17

1-30-07

Probe 5 locate East of P-4

pushed to 45' BGS SWL ~ 39.9' BGS
purged 1 lite @ 12:55 collect 2 unacid VOC
pushed to 60' BGS purged -
@ 13:00 collect 2 unacidified VOCs
- 3 acidified for Arcadis
smpl tube plugged with fine sand
used new tube + collected
samples at 13:30
- inside tube were 1/16 inch dia
oil droplets - purge jug had
film on top

pushed to 69' BGS - refusal
purged 3 lite at 13:45 coll 2 unacidified
- 3 acidified VOC vials for Arcadis

Probe 6 near Forma P+G Well #11
No ground water @ 40'
pushed to 60' BGS - SWL ~ 51' BGS
purged at 15:45 collect 2 VOC vials
3 acidified for Arcadis
Smpl line filled with sand pushed - no smpl @ 60'
to 66' BGS @ 16:10 collected
samples after ~400ml purge

@ 78' 16:20 purged 1 liter - sand

@ 90' 16:45 purged 3 liters no sand
collect 2 unacidified + 3 acidified VOC vials.

1-30-07 con't

At 78' sample ~~line~~ tube was filled with sand. In order to fill VOC vial sample tube cut into small segments (5 to 10 ft lengths) filled 3 vials for KDHE lab because of sand in sample.

All KDHE samples placed in twist bags into cooler with ice immediately after sampling.

All probe holes filled to ground surface with granular bentonite after removing probe rod.

Appendix 10.5

GPS Data for Sampling Locations

GPS Data for Sampling Locations

Sample Location	Latitude	Longitude	Accuracy (feet)
Probe 1	N39.09138	W94.65453	±16
Probe 2	N39.09144	W94.65517	±16
Probe 3	N39.09144	W94.65601	±20
Probe 4	N39.09142	W94.65394	±17
Probe 5	N39.09138	W94.65324	±17
Probe 6	N39.08688	W94.65478	±17

GPS measured with Garmin eTrex unit

Appendix 10.6

Supplemental Sampling Assessment Form

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
BUREAU OF ENVIRONMENTAL REMEDIATION
SUPPLEMENTAL SAMPLING ASSESSMENT

I. SITE NAME AND LOCATION:

NAME: Procter and Gamble Well #11 Site

ADDRESS OR OTHER LOCATION IDENTIFIER: 1900 Kansas Avenue

CITY: Kansas City **COUNTY:** Wyandotte **STATE:** KANSAS

TELEPHONE: **FAX:**

DIRECTIONS TO SITE: The Procter and Gamble facility is located at the northwest corner of the intersection of Kansas Avenue and the 18th Street Trafficway (US 69).

MAP ATTACHED YES

II. PROGRAM CONTACTS:

REQUESTED BY: Rick Bean KDHE **DATE OF REQUEST:** 11/1/2007

AGENCY/BUREAU: BER/REMEDIAL SECTION/STATE REMEDIAL UNIT

MAILING ADDRESS: Curtis State Office Building, 1000 SW Jackson, St 410

CITY: TOPEKA **STATE:** KANSAS **ZIP:** 66612

TELEPHONE: 785-296-1675 **FAX:** 785-296-7030

SECONDARY/OTHER CONTACT: Farrell Dallen

AGENCY: KDHE/BER/Remedial Section/Site Assessment Unit/Project Manager

MAILING ADDRESS: Curtis State Office Building, 1000 SW Jackson, St 410

CITY: Topeka **STATE:** KS **ZIP:** 66612

TELEPHONE: 785-296-1669

III. HISTORICAL DATA

PA COMPLETED? YES X NO _ DATE: July 1990 CERCLIS I.D. #: KS000126177
SSI COMPLETED? YES X NO _ DATE: September 1991
ESI COMPLETED? YES _ NO X DATE:

BRIEFLY SUMMARIZE EXISTING DATA AND RATIONALE FOR SUPPLEMENTAL SAMPLING. Vinyl chloride and 1,1-dichloroethylene were detected in the Procter and Gamble industrial well #11. The PA/SSI did not determine a source the release of chlorinated hydrocarbons to ground water. Records indicated that Procter and Gamble did not use these compounds. This SSA was initiated to determine if contamination was migrating onto the Procter and Gamble facility.

IV. SAMPLING AND RESULTS:

Eighteen ground water samples were collected for this SSA. Laboratory analytical results it is likely that the source for the release of chlorinated hydrocarbons in up gradient of the Procter and Gamble facility.

C. HAS A PRP AND/OR SOURCE AREA BEEN IDENTIFIED?

CURRENT OWNER: Procter and Gamble
CURRENT OPERATOR: same
PAST OWNERS:
PAST OPERATORS:

D. IF PAST SAMPLING HAS BEEN CONDUCTED AT THE SITE, DISCUSS RELATIVE DIFFERENCES IN ANALYTICAL RESULTS AND SITE CONDITIONS BETWEEN SAMPLING EVENTS.

Analytical data collected during this SSA indicates that ground water is still impacted by the release of chlorinated hydrocarbons; it is likely the release occurred up gradient of the Procter and Gamble facility.

E. IS THERE AN ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES, OR POLLUTANTS, OR CONTAMINANTS? YES

IF NO, EXPLAIN:

F. IF YES, EXPLAIN PATHWAYS OF CONCERN AND RECEPTORS. A release of chlorinated hydrocarbons to ground water has occurred. Currently no exposure to the ground water is occurring, however any use of the ground water may result in exposure to contaminants.

G. ARE THERE HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, BULK STORAGE CONTAINERS, OR TANKS: No

EXPLAIN:

H. ARE THERE HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN NEAR-SURFACE SOILS? unknown (Above non-residential RSK levels)

SURFACE SOIL CONTAMINATION unknown
SURFICIAL WASTES PRESENT? unknown
SITE ACCESSIBILITY: SECURE X ACCESS LIMITED _ READILY ACCESSIBLE
WORKER POPULATION: 0
FURTHER EXPLANATION:

I. ARE THERE CONDITIONS ON SITE WHICH MAY BE SUSCEPTIBLE TO IPACT FROM ADVERSE WEATHER CONDITIONS? NO

EXPLAIN: Conditions which may be susceptible to adverse weather conditions were not identified at the site during this SSA.

J. IS THERE A THREAT OF FIRE OR EXPLOSION? NO

EXPLAIN: No threat of fire or explosion was identified during this SSA.

K. ARE THERE OTHER SITUATIONS OR FACTORS WHICH WARRANT FURTHER RESPONSE? NO
EXPLAIN:

V. SUPPLEMENTAL SITE SAMPLING RECOMMENDATIONS:

A. ADDITIONAL CERCLA ASSESSMENT RECOMMENDED? NO
PA RECOMMENDED? YES ___ NO _X_ (Completed in 1990)
SSI RECOMMENDED? YES ___ NO _X_ (Completed in 1991)
ESI RECOMMENDED? YES __ NO _X
HRS/NPL EVALUATION RECOMMENDED? YES__ NO _X
INTEGRATED ASSESSMENT RECOMMENDED? YES _X_ NO
IF YES, TYPE: PA/SSI recommended on new site.
REMOVAL ACTION / REMOVAL SITE EVALUATION RECOMMENDED NO
RECOMMENDED PRIORITY:

B. CERCLA DEFERRAL RECOMMENDED? No

(Select all appropriate response programs/options:

___ REFERRED TO OTHER KDHE PROGRAMS (Specify):
___ RCRA OR OTHER KDHE/BWM PROGRAM:
JUSTIFICATION FOR CERCLA DEFERRAL:
(Include criteria, eligibility considerations, etc. for making the above determination).

C. REMOVAL CONSIDERATIONS:

REMOVAL EVALUATION RECOMMENDED? NO
IF YES, PRIORITY: *(EMERGENCY, TIME-CRITICAL or NON-TIME CRITICAL).*
REMOVAL ACTION RECOMMENDED? NO
EXPLAIN:

VI. FINAL REMARKS AND RECOMMENDATIONS:

It is recommended to perform a PA at a newly named site.