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C O U N S E L O R S A T L A W

June 16, 2014

BY E-MAIL

Dr. Teklewold Ayalew, PG
Project Manager
Los Angeles Regional Water Quality Control Board
320 West 4th Street
Suite 200
Los Angeles, California 90013

Re: Comment Letter – Former Kast Property Tank Farm – Revised CAO No. RB4-2011-0046

Dear Dr. Ayalew:

Thank you for the opportunity to submit comments on the Proposed Revised Draft Order (“Revised CAO”) in the matter of Cleanup and Abatement Order No. R4-2011-0046 (“CAO”) relating to the former Kast property.

On June 3, 2014, the Los Angeles Regional Water Quality Control Board (“Regional Board”) issued a Notice of Opportunity for Additional Comment. In response to the Regional Board’s notice, Shell Oil Products US (“Shell”) respectfully submits the following materials for the Regional Board’s consideration and for inclusion in the public record in this matter:

- (1) the Declaration of George Bach, dated May 13, 2011;
- (2) a submission from Thomas M. Johnson, PG, CHG, addressing Barclay Hollander Corporation’s technical response to the Revised CAO; and
- (3) a submission from Douglas J. Weimer attaching pertinent field data.

Shell supports the issuance of the Revised CAO and the addition of Barclay Hollander Corporation (“BHC”), a wholly-owned subsidiary of Dole Food Company, Inc., as a responsible party under the CAO and incorporates by reference its prior submissions of evidence in support, including those dated June 9, 2010 and July 28, 2010 as well as the extensive site data

Dr. Teklewold Ayalew
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that has been collected and submitted to date. The Revised CAO correctly concludes, based on substantial evidence, relevant precedent issued by the State Water Resources Control Board and the standard set forth in Water Code section 13304, that BHC is a “discharger” and responsible party who should be compelled to participate in the ongoing investigation and remediation process.

Notwithstanding the Regional Board’s addition of BHC as a responsible party in the Revised CAO -- which Shell encourages the Regional Board to promptly finalize -- Shell remains committed to the completion of the investigation and remediation process under the direction of the Regional Board.

Thank you for your time and attention to this matter.

Best regards,



Deanne L. Miller

Attachments

cc: Samuel Unger
Paula Rasmussen
Frances L. McChesney

Attachment 1

1

2 DECLARATION OF George Bach

3

4 I, George Bach, declare:

5 I am a professional engineer licensed by the State of
6 California and have personal knowledge of the facts hereinafter
7 referred to. If called as a witness, I can competently testify
8 thereto.

9

10 I have been a licensed, registered Civil Engineer (RCE 11092) in
11 the State of California since 1957.

12 INTRODUCTION:

13 I was employed by Barclay, Hollander-Curci in 1960 as an in-house
14 engineer. I provided civil engineering service to include
15 performing, or supervising performance by other consultants,
16 design of grading plans, design of street, sewer and storm drain
17 plans and the processing for approval by Government Agencies of
18 these plans. I prepared proposals for bid by subcontractors, the
19 analysis of the bids and the selection of the subcontractors to
20 complete the work shown on the plans. Once the work was awarded
21 and started I represented BHC in supervising and checking the
22 progress of the work as it was executed in the field. I was
23 consulted on and resolved the work and the progress as the work
24 was performed and completed.

25 In performing these functions I was knowledgeable of, and aware
26 of, the details of day to day problems as the work was performed.

27 I was often asked to review potential development properties
28 before and as the properties were acquired by BHC.

29

1 My immediate supervisor and the person I reported to was
2 Shurl(Shirley) Curci, an officer in Lomita Development Co and, as
3 such I think, a partner in BHC.

4 BHC had a history and tract record for acquiring and developing
5 properties in the South LA County. Harbor City (LA) area. Shell
6 Oil Company also had many parcels of land in the area that were
7 used for various operations, including large capacity storage
8 facilities. One of these properties was known as the Kast Ranch
9 and was located at Lomita Blvd east of Figueroa Street. in the
10 County of Los Angeles.

11 THE KAST RANCH [Carousel Tract]

12 The Kast property had been developed as a storage area for crude
13 oil being pumped from the new Signal Hill find in 1925 or 1926.
14 At that time all operators on Signal Hill were pumping crude as
15 fast as they could because the wells were so close that each
16 operator wanted to make sure the neighbor wasn't pumping oil from
17 their lease. Delivery of steel tankage material from the east
18 coast had to go around South America so delivery was very slow
19 and the steel made the cost of storage facilities expensive. From
20 articles in the "Western Oil and Gas Journal" all of the
21 operators began to construct very large "reservoirs" by building
22 dikes with material excavated from within the reservoirs
23 perimeter or essentially digging a hole and stacking the dirt
24 around the edge as an earth wall. The surface of the dike and the
25 excavated hole was then lined with concrete or "gunite" This was
26 a very thick layer of concrete placed with a pneumatic gun. It
27 was not reinforced. Once the reservoir was lined it was roofed
28 with a structure of 4 x 12 beams supported by 6x6 wood posts. The
29 posts were stabilized by connecting them together and to the
30 concrete lining with steel cables at the mid height of the post
31 so that it could not bend out of being a straight vertical post.
32 The reservoir was completed by placing wood diagonal sheathing
33 and an asphalt sheet roofing surface, The Kast Ranch had three

1 reservoirs - two circular with 7 acres of roof each near the south
2 end of the property adjacent to Lomita Blvd, and a third
3 "colosseum" shaped reservoir with 10 acres of roof that took up
4 most of the northern third of the property. Call them Reservoirs
5 #1, #2 and #3 for identification in this declaration. (See
6 attached plan). I am not sure when but at some point the facility
7 became the property of Shell Oil.

8 By the 1960's the reservoirs were obsolete, they did not comply
9 with the clean air standards of the Air Pollution Control
10 District (APCD). APCD was requiring Shell Oil to cut down
11 emissions, by floating little plastic pellets on top of the oil
12 to reduce the vapor evaporation, or stop using the reservoir. The
13 roofs were deteriorating and needed repair. Reservoirs #1 and #2
14 were no longer used for storage of product and #3 was only used
15 for storage of heavy "slop" oil and off spec oil used and sold as
16 "bunker C ", the fuel for ships. Think of it as "bottom of the
17 barrel stuff", a mixture of different oils and oil emulsions. This
18 kind of product was pumped in or out of the reservoir as needed
19 but the depth of the stored product was in the 3 to 4 foot
20 range. The property was fenced and lock gated but there was no
21 employee on the property most of the time.

22 INITIAL SITE DEVELOPMENT

23 In 1965 (unknown date) a young boy playing in the tank farm was
24 running across the roof of the large reservoir when the roof
25 failed and he fell into the oil and drowned. I am not sure who
26 initiated the deal but BHC acquired the property in the name of
27 "Lomita Development Company" in 1965.

28 Although I frequently had an opportunity to make a site
29 inspection and evaluation of properties being considered for
30 acquisition, the transfer from Shell was done quickly and I did
31 not have prior knowledge of the site.

1 In 1965 E.L.Pearson¹ Engineering was employed to make a current
2 topographic map of the property and make a "Tentative"
3 Development Plan. The tentative is the first step in the
4 approval of a subdivision in LA County and is standard procedure.

5 Pacific Soil Engineering was employed to sample, test and prepare
6 a "Soils Report" covering the property. The field investigation
7 consisted of taking borings, there were 8 borings, all of which
8 were made on, or adjacent to, the interior dikes that existed on
9 the property to separate the reservoirs in the event of any
10 leakage or spill from any one of the tanks. The dikes provided
11 access to the interior of the site. The boring locations were
12 plotted on a preliminary grading plan that had been prepared
13 quickly so that work of removing the dikes and concrete lining
14 could start immediately while a final subdivision map and final
15 grading plan was prepared, plan checked and approved.

16 Notes on the Map that goes with the Pacific Soils report
17 describes the method of removal and disposal of the concrete
18 lining.

19 SITE WORK

20 Time was of the essence so I contacted a grading contractor, Lee
21 Vollmer, that had done a lot of specialized work for BHC and that
22 I trusted for ability to do the work at a fair price. Due to the
23 uncertainty of the problems and cost of doing the work it started
24 out as a time and material contract while we experimented on how
25 to remove the concrete and how to bury it on site. Lee Vollmer
26 and I discussed the removal of the concrete with Shurl Curci and
27 decided that on site disposal would be best if we could do it. I
28 met Vollmer, the soils engineer and the County Inspector in the
29 first or second week of Feb 1966 in the bottom of the first
30 circular reservoir (#1) near the entrance to the property.
31 Vollmer had moved in a large loader and a tractor and opened a

1 slot through the wall of the dike so we could get to the concrete
2 bottom inside the reservoir. The roof of this reservoir had been
3 removed. There wasn't any sticky oil in the reservoir but merely
4 a thin black film of very dried out oil residue. We could walk on
5 the surface with no problem.

6 We had Vollmer make some trials at removing the concrete and
7 found that since it wasn't reinforced it could be broken up into
8 reasonable size chunks that could be buried. The issue was
9 discussed and it was agreed by all that we would break up the
10 concrete and bury it in the areas that we understood would be
11 "backyard" or not under any structure. The concrete would be
12 buried with a minimum cover of 7 feet which we believed would be
13 below any excavation for a swimming pool.

14 The grading work started in the southeast corner of the site and
15 moved north as the the second round reservoir was deroofed and
16 available for removal of the concrete and the underlying earth
17 embankment.

18 By May work started on removal of the large 10 acre roof on the
19 last reservoir -#3, the one along the north property line. During
20 this time access to the site was along the top of the retention
21 dikes or over areas where some grading had been done. An area at
22 the southeast corner of #3 was the most accessible and had been
23 set up as an access point and work area for #3. Removal of the
24 roof had been mostly completed by the middle of May. The removal
25 of the sheathing was essentially completed, only the structural
26 supporting 6x6 post and the 4x12 beams remained. On Sat, I believe
27 the 14th of May I was at home and received a call that a problem
28 was developing at the site. I went down and found that the
29 structure was collapsing into the oil that was in the reservoir.
30 I was told that a wind came up and blew one or two of the 4x12's
31 off their posts. As they fell they pulled the post over. Since
32 the posts were tied together with cables at mid-height each one

1 pulled the adjacent posts over and slowly the entire structure
2 collapsed into the oil. It was like a giant game of "pick-up-
3 sticks" with post and beams intermixed and sticking up through
4 the oil.

5 The problem now became one of how to get the wood removed from
6 the oil. The demolition sub-contractor was from Mexicali and used
7 Mexican nationals as labor. They were willing to work 4 hour
8 shifts going into the oil in working clothes and removing the
9 pieces one by one, passing them out to the work area where they
10 were loaded on to trucks and taken to Mexico. In Mexico women
11 removed the nails and the wood was sold for construction there.
12 At the same time removal of the oil began. The product was very
13 thick, almost like a soft or semi liquid asphalt. It had to be
14 heated with a steam coil then picked up with a vacuum truck
15 (Chancellor and Odgen) and exported to a Class A dump site. I
16 believe the site was Agajanians Montabello or Monterrey Park site
17 As this work progressed Vollmer was able to get two tractors (a
18 small International Harvester and a Euclid C-60) into the
19 reservoir so that he could push the oil into the corner where the
20 steam coil was installed. All of this took place in an area at
21 the south side of #3 and adjacent to the east property line.

22 The demolition contractor (I believe the company was J.J.
23 Williams from Los Angeles) wanted to get the work completed and
24 several times said "*man what you need is a fire*" All I could do
25 was smile but I never approved the idea. That didn't matter. On
26 Monday morning as I was getting ready to go to work my wife
27 called out "hey your job is on TV" The news item was that there
28 had been an all night fire at a construction site in Lomita. The
29 fire had started on Sunday afternoon and continued all night.
30 There were several units on site. It had been covered by news
31 helicopters and ground reporters. I went to the site and found
32 out that:

1 The fire department responded to a small fire in the reservoir
2 early in the afternoon. The fire was extinguished. They
3 responded to a second call a few hours later which they again
4 extinguished. This time they remained at the front gate and
5 called Vollmer to come to the site. Lees' father, who was hard of
6 hearing, came to the site where the FD Chief told him-"Vollmer if
7 this catches on fire again you are going to jail" About the time
8 they finished with Vollmer the fire erupted again but this time
9 it took off and spread over the entire oil surface. The FD used
10 water and foam to try to put the fire out but it was too large and
11 too hot. Eventually, as the "light ends" burned off, things cooled
12 down and the foam was able to smother the fire. Later I found out
13 that someone had come over the back fence and poured diesel oil
14 over the slop oil and torched it. In the last fire all of the
15 equipment (tractors) was burned in the fire.

16 RESERVOIR #3 CLEAN_UP

17 Once the fire was out the removal and clean up continued although
18 it was now a little more complicated because there was oil, water
19 and partially burned wood to remove. All of this was removed by
20 the end of June but this time there was a layer of sticky oil
21 residue on the bottom concrete. Vollmer dumped a lot of sand on
22 the surface and used it as a dike to push the oil to the corner
23 where it was picked up. The most contaminated sand was exported.
24 Additional sand was then spread over the bottom so it could be
25 picked up. It cleaned the bottom of almost all of the remaining
26 residue to the point where you could walk on the bottom. This
27 sand was blended into the fill.

28 The concrete was ripped and broken up and the pieces buried as in
29 the other reservoirs. In this case we were more careful to make
30 sure there was at least 7 feet of cover over the concrete.

31 Once grading in #3 was completed the operation continued as a
32 normal procedure.

1 SUBDIVISION DEVELOPMENT

2 The initial grading was performed under a conditional grading
3 permit since there had not been time to complete all of the plans
4 completed and approved as required for a subdivision. For example
5 street plans, water and utility plans, storm water plans and even
6 the individual lot grading plans had not been reviewed and
7 approved.

8 The work was started under Subdivision No 24836. Due to financial
9 restraints and contractual conditions for release of the property
10 from the master deed it was necessary to do the subdivision in
11 units. This was a standard procedure at the time. The first unit
12 would include property fronting on and accessible from Lomita
13 Blvd. to permit building a sales area with model homes and the
14 adjacent Panama Ave on the east side of the property. Homes for
15 sale would be built on Panama. Each unit taken from the
16 underlying subdivision map is given its own subdivision number.
17 In this case this first unit became Tract 28441

18 As mentioned before concrete from the walls and bottom of the
19 reservoirs had been buried at least 7 feet deep in areas that
20 would not have structures built over them. In addition to this it
21 was also decided that foundation slab areas would be over
22 excavated to allow for a +/- 2 inch layer of sand, a minimum 4
23 inch layer of crushed rock. a visqueen (6 mil.) moisture
24 barrier and a covering protective layer of sand under the
25 concrete slab. At the time the visqueen was considered more as a
26 moisture barrier but it would also act as a vapor barrier. It is
27 my belief that vapors in the ground will be slowly pushed to the
28 surface as the natural water level rises under the slab. Since it
29 is then blocked by the visqueen it will migrate to the edges of
30 the slab then come to the surface. I would expect to see higher
31 levels of vapors or hydrocarbon products, if any, about a foot
32 away from the edge of the slabs. It should be noted that this

1 method was not followed in the garage area where the slabs were
2 constructed on compacted backfill and are independent of the
3 surrounding foundation walls.

4 BHC had a history of building "affordable" homes-single story,
5 roughly 1600 to 1800 sq. ft, 2,3 and 4 bedroom on slab
6 construction complete with " the bird house over the garage
7 door". They sold from 15,999 to 18,999 with FHA financing. BHC
8 had completed several tracts of this level housing before taking
9 on Tr 24836. The sold very well.

10 As the sales progressed BHC took out the second unit Tr 28564. At
11 this point there was a gap in the development while drainage
12 problems to the west were resolved (needed permission to drain
13 into the concrete ditch on the adjacent property) and final
14 grades could be set for Mirabella.

15 OTHER CONDITIONS

16 There are some other conditions that may have an effect on the
17 site conditions today.

18 1. Although the concrete bottoms were in relatively good
19 condition we did find that the soil material immediately under
20 the concrete and to varying depths up to maybe 12 inches the soil
21 was oil stained and did have an odor. Usually the odor dissipated
22 quickly and was apparently the very light ends of the product.

23 2. The retention dikes that surrounded each reservoir were high
24 enough so that they had sufficient volume to contain all of the
25 product in that reservoir. They were also designed to drain to a
26 low spot so that storm water or, in the case of failure, the
27 contents of reservoir. Material in the retention dike could be
28 pumped out. The result is that there several spots were all of
29 the drainage, both water and any spilled product, pond-ed until
30 there was enough depth to permit pumping. It appeared that in
31 many cases the runoff was not deep enough to pump and was simply
32 allowed to seep into the soil. An attempt was made to remove some

1 of the material that was obviously saturated but in some cases
2 where the saturation wasn't considered excessive the material was
3 removed and blended into the fill. By the time we started work on
4 the site the pumps were no longer operational, in fact I think
5 some of them had been removed, so there wasn't even an attempt to
6 pump out any of the drainage.

7 I would expect to find higher level of contamination in and
8 around the old sump areas because it was not possible to remove
9 all of what would now be considered to be and prove to be
10 contaminated soil.

11 I would also expect to find higher level of contamination where
12 we had the work area with the steam heater and loading area for
13 the vacuum trucks

14 These are specific areas that might have higher levels of
15 contamination.

16 247th Street between Panama and Ravena

17 244th street and Marabella

18 Marabella south of 244th for about 500 feet. One of the sumps was
19 in this area and some of the oil stained soils were placed here
20 until the final grading was completed.

21 BHC

22 After WWII Robert and Richard Barclay had a surveying company in
23 Hawthorne. They did lot surveys and lot splits and I believe
24 small subdivision. One day Ray Watt, who had a pickup truck, a
25 wheel barrow and did building work, convinced the Barclays they
26 should join forces and begin to build houses. They did. By the
27 mid to late 50's Ray Watt had become a major builder on his own
28 and the Barclays very successful mid size builders specializing,
29 as I indicated, in building affordable houses in the South Bay,
30 an area they understood. At some point Mike Hollander, who I
31 believe had been a planning commissioner in LA, joined forces

32

1 with the Barclays. As the development activities became the focus
2 of the activity Robert Barclay appointed Ed Pearson as the
3 manager, later president, of Barclay Engineering. Barclay
4 engineering did work on an open market but finally decided that
5 competitors to the Barclays did not want to bring their plans
6 into the Barclay office where the engineering was also located.
7 It was decided to make the engineering operation its own entity
8 E.L. Pearson and Associates. Ed ran the operation, Tom Clark [an
9 RCE] ran the office and Loyd Tanner [an LS] ran the surveying
10 arm. Again it was thought that a "one stop office" would be
11 attractive so the company expanded and created Pacific Soils (Joe
12 Riccio, Steve Peckovitch and later Dave Derring). They also
13 created Pacific Air Industries (Robert Lung) to perform the
14 topographic mapping.

15 Robert and Richard did the acquisition and financing. Mike
16 Hollander hired the architects or building designers and managed
17 the housing construction. His General Superintendent was Gene
18 Tussey. Harold Wright was the field superintendent for the Harbor
19 City tracts. Don and Shurl did the grading and off site work.

20 Don Barclay, the youngest brother, and Shurl Curci were classmates
21 in school and worked for the other brothers. In 1958 or 59 Don
22 and Shurl found a piece of property on top of the Palos Verde
23 hill and started their own subdivision, Del Cerro. It was a "lot
24 program" where the lots were developed and sold for custom home
25 construction. Don and Shurl hired me in July 1960 as their
26 employee working on the Del Cerro tract at first. Later I worked
27 for the BHC entity when Don and Shurl became partners in BHC.

28 At that time all of these entities were housed in one building,
29 12345 Hawthorne Way, Hawthorne.

30 I have called CARSON FD to research the possibility of a report
31 on fire. Talked to Info (800-922-5159), finally got a name Linda
32 Nichols 323-890-4194 (322-881-30390) finally emailed request to.

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FD info@fire.lacounty.gov. Linda is researching the very old records but so far, as of this conclusion, hasn't found a report.

George Bach 5/13/2011

George Bach RCE 11092, GE 107

Attached: Copy of Rough Grading Plan used to start work

Attachment 2

THOMAS JOHNSON ASSOCIATES
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thomasjohnsonassociates@gmail.com

June 16, 2014

Deanne L. Miller
Morgan, Lewis & Bockius LLP
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Los Angeles, CA 90071-3132

Subject:

Technical Information Responding to the January 21, 2014 Waterstone Environmental, Inc.
"Technical Response to the RWQCB Draft Cleanup and Abatement Order, Subject property,
Former Kast Tank Farm, Carousel Housing Tract, Carson, California"

Dear Ms. Miller:

As requested, this letter was prepared on behalf of Shell Oil Company, and presents technical information and comments regarding the January 21, 2014 Waterstone Environmental, Inc. (Waterstone) "Technical Response to the RWQCB Draft Cleanup and Abatement Order, Subject property, Former Kast Tank Farm, Carousel Housing Tract, Carson, California". Waterstone prepared the subject document for Gibson Dunn & Crutcher LLP on behalf of Barclay Hollander Corporation (Barclay) in response to the Draft Cleanup and Abatement Order prepared for the Site by the Regional Water Quality Control Board (RWQCB) on October 13, 2013.

Waterstone Theory

In their January 21, 2014 submittal to the RWQCB, Waterstone presents several arguments purporting to show that petroleum contamination was not present in shallow soils (less than 10 feet deep) when Barclay developed the Site in the late 1960s, and that all petroleum contamination in shallow soils at the Site resulted from upward migration through capillary action from deeper soils. The following responds to those portions of the Waterstone document suggesting that capillary rise is responsible for petroleum contamination of all shallow soils at the Site. Results of extensive site investigations, statements by former Site workers, and calculations indicate that the Waterstone theory is not valid, and that the current distribution of petroleum hydrocarbons in shallow soils resulted primarily from reservoir demolition, and site grading and development activities, and could not have resulted from the alleged mechanism of upward capillary migration.

Site Demolition and Grading Activities and Distribution of Petroleum Hydrocarbons in Soil

Site Demolition and Grading Activities

Statements by former workers for the developer's contractors indicate that reservoir demolition and site grading activities by the developer's contractors resulted in the placement of fill materials in the reservoirs and spreading of soils over much of the Site (Alfred Vollmer Deposition 2014, p. 33-34; Leroy Vollmer Deposition 2013, p. 138; George Bach Deposition 2013, p. 163; George Bach Declaration

THOMAS JOHNSON ASSOCIATES

2011, p. 7; Lowell Anderson Deposition 2013, p. 16-17). In former reservoir No. 7, residual petroleum and water were removed prior to demolition of the reservoir (George Bach Declaration 2011, p. 6-7; Leroy Vollmer Deposition 2013, p. 166-167). The contractor used earthen sand berms to contain the oil and other fluids so the liquid could be removed by vacuum trucks (Leroy Vollmer Deposition 2013, p. 164-168; George Bach Declaration 2011, p. 7). After removal of the free liquids, some of the sand contaminated with oil was mixed with the fill materials in the reservoir (George Bach Declaration 2011, p. 7; Leroy Vollmer Deposition 2013, p. 167).

The concrete liners of the oil reservoirs were either removed from the Site or abandoned in place by the developer's contractors (Alfred Vollmer Deposition 2014, p. 50-53; George Bach Declaration 2011, p. 5, 7). In the western portion of Reservoir No. 5, the concrete floor was excavated and removed from the Site following demolition (Waterstone 2014). For the remaining area of Reservoir No. 5 and the other reservoirs, trenches were cut through the reservoir concrete floors bases to allow drainage/infiltration of any water or liquid that might pond on the concrete (PSE 1966c; d). These trenches, approximately 8 inches wide and 15 feet apart, were cut using a "ripper" that cut through the reservoir floor to an approximate depth of 4 feet (Alfred Vollmer Deposition 2013, p. 51). During the process of "ripping" the concrete trenches in the reservoir floors, soil from beneath the reservoir was brought to the surface, mixed with the broken concrete and incorporated into the fill materials over the reservoir floors (Alfred Vollmer Deposition 2014, p. 53; George Bach Deposition 2013, p. 188). Soils immediately beneath the reservoirs floors were observed to be oil-stained (George Bach Declaration 2011, p. 9). Prior to demolition of reservoir No. 6, test borings encountered oily and oil-stained soils immediately beneath the reservoir floor extending to depths of at least 12 to 15 feet (PSE 1966c). Therefore, it is reasonable to conclude that soil backfill brought to the surface during the trenching process contained petroleum hydrocarbons.

The concrete liners on the reservoir sidewall berms were cut into slabs and placed above the reservoir floors. Soils from the sidewall berms were then pushed into reservoirs to fill voids around the concrete slabs, and provide fill soils to provide at least 7 feet of fill over the reservoir floors (PSE 1966a,b and 1968; Leroy Vollmer Deposition 2013, p. 138 and 289; Alfred Vollmer Deposition 2014, p. 33-34, 52; George Bach Deposition 2013, p. 163-164). Soils in these sidewall berms were likely impacted by petroleum hydrocarbons. The surfaces of the earthen berms were covered with a preexisting layer of oil or asphalt, and these soils from the sidewall berms were used to fill the lower portions of the reservoirs (George Bach Deposition 2013, p. 59; Leroy Vollmer Deposition 2013, p. 114-115). Due to the size and depth of the reservoirs, however, additional fill soils from the surrounding perimeter berms at the Site were used to finish filling and grading the reservoirs and surrounding areas (Alfred Vollmer Deposition 2013, p. 33-34 and 57; Lowell Anderson Deposition 2013, p. 27). These outer perimeter berms were not in contact with crude oil in the reservoirs and, although covered with a layer of oil or asphalt, would have contained lower concentrations of petroleum hydrocarbons. These additional fill soils were mixed with underlying soils and placed in the upper portions of the former reservoirs and surrounding area (Alfred Vollmer Deposition 2013, p. 33-34 and 57).

In those areas of the Site where additional fill materials were not needed, or where soils were excavated to bring the land surface to the desired grade, the developer's contractors excavated and compacted soils to a depth of 3 feet (Lowell Anderson Deposition 2013, p. 87). There are also reports that soils across the Site were scarified to at least 6 inches in depth and recompacted (George Bach Deposition 2013, p. 321-322).

Occurrence of Petroleum Hydrocarbons in Shallow Soils

The occurrence of petroleum hydrocarbons in shallow soils reflects the history of the developer's filling and grading activities. Overall, there is a general pattern of increasing concentrations of petroleum hydrocarbons with depth, with much lower concentrations in shallow soils at depths of 0 to 5 feet. However, the distribution of petroleum hydrocarbons in shallow soils at the Site (less than 10 feet bgs) is often highly variable (URS 2008, 2009a,b and 2012; URS and Geosyntec 2014). There are many locations at the Site where hydrocarbon concentrations in shallow soils are much greater than in deeper soils (Waterstone 2014, Figures 7-10, 40, 43 and 52). If Waterstone's hypothesis were correct, concentrations would increase with depth at all locations, and that is not the case. Furthermore, high concentrations of petroleum hydrocarbons are often found in shallow soils above buried concrete floors (Waterstone 2014, Figures 45-50, and 52) that could only have been placed there as fill by the grading contractor. Since the trenches through the concrete reservoir floors were reportedly only 8 inches wide and 15 feet apart, it is completely unrealistic to suggest that all the petroleum contamination in these soils migrated upward from beneath the concrete floors.

Fill soils that were used to fill the lower portions of each reservoir included soils containing petroleum hydrocarbons, from beneath the reservoir floors brought to the surface during ripping of the trenches in the reservoir floors, and soils from the reservoir sidewall berms. Additional fill soils needed to finish filling the upper portions of the former reservoirs and surrounding areas were obtained from the surrounding earthen berms at the Site. Soil from these berms was not in contact with crude oil in the reservoirs, and would have contained lower concentrations of petroleum hydrocarbons. Use of this soil as fill explains the generally low concentrations of petroleum hydrocarbons found in shallow surface soils (0-5 feet deep) across the Site.

Even in those areas of the Site where fill soils were not required, such as the area of Reservoir No. 5 where the concrete floor was removed, the developer's contractors excavated, graded, and recompacted all soils at the Site to a depth of approximately 3 feet. This resulted in mixing of soils containing petroleum hydrocarbons with other soils at various depths in shallow soils across the entire Site.

As a result of these activities, soils currently underlying the Site reflect the history of the developer's filling and grading activities. The lateral and vertical distribution of petroleum hydrocarbons in soils at the Site is highly variable, and not consistent as Waterstone's theory.

Wilmington Complex Reservoirs No. 1 and 2 Findings

Waterstone also bases their theory, in part, on findings from demolition of similarly-aged oil Reservoirs No. 1 and 2 at the former Wilmington Complex Refinery. Reservoirs No. 1 and 2 were also constructed in the 1920s, were demolished in 1991, and were covered with a soil cover. Site investigations showed that soils in the sidewall berms contained high concentrations of petroleum hydrocarbons and evidence of separate-phase petroleum (Waterstone 2014, Figures 29, 32 and 34-35). The Wilmington reservoirs were both filled with fill soils from the sidewall berms and a soil cover was installed extending to the edges of the former reservoirs, where the cover was tied into soils of the surrounding sidewall berm. Shortly after the cover was installed, seepage of petroleum at the surface was observed from sidewall berm soils at the edges of the soil cover. Under direction of the RWQCB, these berm soils adjacent to

the cover, which contained separate-phase petroleum, were excavated and the covers were extended laterally beyond the areas of the sidewall berms. Separate-phase petroleum and high concentrations of petroleum were present in shallow soils at the surface immediately outside the area of the initial soil covers, and the seepage that was observed from these soils reflected petroleum in these sidewall berm soils already present in surface soils in the berms. In other words, the seepage observed around the caps of reservoirs Nos. 1 and 2 was from at-surface petroleum impacted soils, not from capillary migration.

Evaluation of Waterstone Capillary Migration Hypothesis

Waterstone’s alleged hypothesis of upward migration of petroleum hydrocarbons from deeper soils by capillary rise as the only cause of petroleum hydrocarbons in shallow soils at the Site is not scientifically valid. If the theory were valid, there would be a much more uniform distribution in soils of increasing petroleum hydrocarbons with depth across the Site. This uniform distribution of petroleum hydrocarbons in soil has not been observed at the Site.

The following discussion indicates that petroleum hydrocarbons could not have migrated upward any substantial distance into shallower soils due site conditions, and the properties of the soils and petroleum hydrocarbons at the Site. Even if separate phase petroleum were present in soil beneath the former reservoirs, based on the properties of the soil, the maximum upward migration of petroleum due to capillary rise would not be as great as alleged by Waterstone (2013). Furthermore, considering the fact that most of the concrete reservoir floors still remain beneath the Site, and that trenches in the concrete floors were only 8 inches wide and at least 15 feet apart, there was little or no pathway for any such upward migration to occur from soils underlying the reservoirs more than 5 to 10 feet vertically into shallower soils.

Capillary Rise - Theory

The rise of water or other fluids in soil pores results from the molecular attraction (adhesion) between the soil and the fluid, and the surface tension of the fluid (cohesion). This phenomenon can be represented simply by considering pores equivalent to capillary tubes (Meinzer 1928; Domenico 1972; Lohman 1972; Hillel 1998). The molecular attraction between the solid and the fluid depends on the properties of the fluid and the soil, representing bundles of capillary tubes.

The theoretical height of capillary rise in continuous tubes or pores is expressed in equation (1) (Lohman 1972; Domenico 1972; Hillel 1998; Fetter 1999).

$$h_c = \frac{2T}{r\rho g} \cos \alpha \quad (1)$$

where

- h_c = height of capillary rise (L)
- T = surface tension of fluid (ML/T²/L)
- r = radius of capillary tube (L)
- ρ = density of fluid (M/L³)

g = acceleration due to gravity (L/T^2)
 α = angle between meniscus and tube

For pure water, $\alpha = 0$ and $\cos \alpha = 1$. At 20°C, $T = 72.8$ dynes/cm and ρ is assumed to be 1 g/cm³ and $g = 981$ cm/sec² (Lohman 1972).

It is important to note that equation (1) describes theoretical capillary rise of fluids in uniform laboratory glass tubes. The capillary rise of water or other fluids in soils depends on the properties of the fluid and is proportional to the sizes of soil pores. The height of capillary rise is governed by the size of the capillary tube or soil pore, and properties of the soil, and is a balance between capillary tension and the downward pull of gravity. The height of capillary rise of a fluid in coarse-grained soil, such as sand, is less than capillary rise in smaller pores of fine-grained soil, such as silt. When water or other fluid is drawn upward in soils, the maximum diameter of soil pore pathway controls the process, while the minimum pore size is the controlling factor in downward flow (Domenico 1972).

Capillary Rise - Laboratory Experiments - Water

The following table describes the height of capillary rise of water observed in laboratory experiments using different uniform soil types cited by soil physicists and hydrologists for more than 60 years (Terzaghi 1942; Lohman 1972; Fetter 1999).

Soil Type	Observed Capillary Rise - Water (ft)
Fine gravel	0.08
Very coarse sand	0.21
Coarse sand	0.44
Medium sand	0.81
Fine sand	1.40
Silt	3.46
Fine silt	6.56 (not stable)

At actual sites, such as the former Kast property, soils are not uniform and consist of interbedded layers of soils with vastly differing properties. Pores in these differing soil types are also not uniform in size and often not interconnected. As a result, capillary rise of fluids is often not continuous across soil layers. In layered soils, the larger pores in sand layers control and limit the upward movement of water by capillary rise from underlying fine-grained soils, essentially stopping upward fluid movement (Domenico 1972).

Soils beneath the Site consist predominantly of coarser-grained soils, such as sand and silty sand interbedded with less extensive layers of clayey sand, sandy silt, clayey silt and clay (PSE 1966a,c). As shown above, capillary rise of water and other fluids in sand and silty sand is much lower than that in finer-grained soils, such as silt and clay. Test drilling in 1966 prior to reservoir demolition indicated that soils beneath the former reservoir floors (reservoir #6) consisted primarily of silty sand and clayey sand to a depth of 3 feet, underlain by fine to medium sand to depths of at least 15 feet (PSE 1966c). Additional soil testing in 1966 outside the former reservoirs showed that soils consisted of silty and clayey sand underlain by sand to depths of at least 10 to 15 feet (PSE 1966a). Based on the observed values for capillary rise of water for sand in the table above, the height of capillary rise of water in sand ranges from 0.44 to 1.4 ft (5 to 17 inches). As shown below, the theoretical capillary rise of crude oil or other petroleum products in these soils would be even less.

Waterstone reports the following values of capillary rise of water in various soil types based on information from “Soil Chemistry of Hazardous Materials” by Dragun (1998). However, Waterstone wrongly suggests that these values would apply to the former Kast Site.

Coarse gravel	0.1 ft
Sandy gravel	1.5 ft
Silty gravel	4.5 ft
Sand	5.0 ft
Silt	11.5 ft
Clay	16.5 ft

These values are not consistent with other literature values of capillary rise or even values in the same textbook (Dragun 1998). That is because the values of capillary rise above cited by Waterstone reflect special conditions that do not occur at the former Kast Site. Dragun (1998) states that these capillary rise values occur only where the water table is very shallow (e.g., 5 feet below the surface of a sand), and the combined effects of evaporation and plant root transpiration accelerate upward movement of water from the shallow water table (Dragun 1998). The depth to groundwater at the former Kast Site is more than 40 to 50 feet deep.

The same textbook also says these values of capillary rise apply to the capillary fringe, and that “The capillary fringe does not exert a significant effect, for the most part, on the movement of chemicals in unsaturated zone soils.” (Dragun 1998). Dragun concludes that “the net flux of a relatively small amount of water in the capillary fringe passing (upward) through a fixed point in the soil is approximately zero.”, and “Since the leaching of an organic or inorganic chemical in soil depends on water flux, chemical movement should be negligible because the net flux of water is zero.” (Dragun 1998).

Capillary Rise – Calculated – Petroleum

The height of capillary rise of fluids other than water, such as crude oil, in soils can also be calculated using equation (1) and compared with observed values of capillary rise in different soils referenced above. Properties of several different petroleum products were obtained from a database of oil properties (Environment Canada 2014). These petroleum products included several types of California crude oil (California (API 11 and 15), Belridge heavy, Point Arguello, and Port Hueneme) and bunker C fuel oil. Following is a summary of fluid properties for these products used in equation (1). The remaining parameters in equation (1) are assumed to be the same as water.

<u>Fluid Property</u>	<u>Range</u>	<u>Average</u>
T = surface tension (dynes/cm)	27-37	32
ρ = density (g/cm ³)	0.93-0.99	0.98

The following table presents observed heights of capillary rise of water and corresponding calculated heights of capillary rise for petroleum products in the same soils using equation (1) and average published values for surface tension and density for the petroleum products listed above.

Soil Type	Water - Observed (ft)	Petroleum - Calculated (ft)
Fine gravel	0.08	0.04
Very coarse sand	0.21	0.10
Coarse sand	0.44	0.20
Medium sand	0.81	0.37
Fine sand	1.40	0.63
Silt	3.46	1.56
Fine silt	6.56 (not stable)	2.95

As shown above, calculated heights of capillary rise for petroleum is less than half of the observed heights for water. Even if petroleum were present in predominantly sand soils such as those at the Site (PSE 1966b), the calculated capillary rise for petroleum would be less than 1 foot. Furthermore, the occurrence of soil moisture in the soil pores would substantially reduce the volume of pore space available for petroleum and the volume of petroleum that could even enter the soil.

Petroleum Infiltration Experiments Cited by Waterstone

Waterstone also presents information from a laboratory study of petroleum infiltration through soils (Simantiraki et al 2008). This study investigated downward movement in soil of two light non-aqueous phase (LNAPL) petroleum compounds, Soltrol 220 petroleum solvent and diesel fuel, through coarse sand and fine sand. It should be noted that the materials stored in reservoirs at the Kast Site was primarily crude oil, and not petroleum solvent or diesel fuel. Waterstone includes a figure from the Simantiraki article that presents laboratory pressure-saturation curves for Soltrol and diesel fuel in each soil (Waterstone 2014). Using these curves, Waterstone suggests that the maximum capillary rise for diesel fuel and Soltrol in fine sand and coarse sand ranged from 2.18 to 6.7 feet.

However, Waterstone fails to mention that this study investigated downward movement of petroleum in soils, not upward capillary rise (Simantiraki et al 2008). Furthermore, the maximum distance of downward movement of the petroleum products found in this study was only 7 inches, even though downward movement was accelerated by the combination of gravity and capillary forces. Waterstone also fails to note a major conclusion of the study that “the interface of fine and coarse layer is able to act as a capillary barrier which prevents the LNAPL infiltration in the coarse layer” (Simantiraki et al 2008).

Summary

Results of extensive site investigations, deposition testimony, and calculations indicate that the distribution of petroleum hydrocarbons and other Site-related COCs in on-site shallow soils and soil vapor resulted primarily from reservoir demolition, and site grading and development activities, and could not have resulted from the alleged mechanism of upward capillary migration.

THOMAS JOHNSON ASSOCIATES

If you have any questions or need additional information, please contact me.

Sincerely,

A handwritten signature in black ink on a light gray rectangular background. The signature reads "Thomas M. Johnson" in a cursive script.

Thomas Johnson, PG 317, CHG 4286
Principal Hydrogeologist
Thomas Johnson Associates

Attachment – References Cited

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Attachment 3



June 16, 2014

Dr. Teklewold Ayalew, PG
California Regional Water Quality Control Board – Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

Subject: Comment Letter – Former Kast Property Tank Farm – Revised CAO

Dear Dr. Ayalew:

On behalf of Shell Oil Products US and Shell Oil Company (collectively, “Shell”), I provide the following data in support of the Proposed Revised Draft CAO R4-2011-0046 (“Revised CAO”), which amends the existing CAO by adding Barclay Hollander Corporation, a wholly-owned subsidiary of Dole Food Company, Inc., as a responsible party to the Order based on its role in the purchase, ownership and redevelopment of the former Kast property into the Carousel neighborhood tract resulting in discharges of waste to the Site.

Throughout the Carousel neighborhood residential investigation program, more than 2,400 borings have been drilled to explore and sample soils from the upper 10 feet of the soil profile. Soil samples collected at depths of ½, 2, 5 and 10 feet bgs, as well as additional samples collected at other depths based on field observations, have been analyzed for gasoline-, diesel-, and motor oil-range total petroleum hydrocarbons (TPHg, TPHd, and TPHmo, respectively). Residential borings along with TPH concentrations detected by depth for each of the hydrocarbon ranges analyzed from residential borings are provided in **Appendix A**. Many examples may be seen in the data summarized in Appendix A for borings where one or more of the TPH carbon ranges exhibited concentrations 5x or higher in shallow samples than in deeper samples from the same boring.

Additionally, as is well documented in the sampling data, TPHd and TPHmo, impacted soils at the Site are present not just within the former reservoir footprints, but outside the footprints and at varying depths. Please see Figures 6-2 and 6-3 from the Revised Site-Specific Cleanup Goal Report, also attached here as **Appendix B**.



Dr. Teklewold Ayalew, PG
California Regional Water Quality Control Board – Los Angeles Region
June 16, 2014
Page 2

If you have any questions or require additional information on this issue, please do not hesitate to contact me.

Sincerely,

Douglas J. Weimer
Sr. Principle Program Manager
Shell Oil ProductsUS

Attachments:

- Appendix A Table A-1 – Residential Boring Soil Samples with TPHg Concentrations in Soil Samples > 5x Concentrations in Underlying Soils
- Table A-2 – Residential Boring Soil Samples with TPHd Concentrations in Soil Samples > 5x Concentrations in Underlying Soils
- Table A-3 – Residential Boring Soil Samples with TPHmo Concentrations in Soil Samples > 5x Concentrations in Underlying Soils
- Appendix B Figures 6-2 and 6-3 from SSCG Report

Appendix A

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES ≥ 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
248TH ST	354	248-354SFE	0.5	TPH as Gasoline	0.1	
248TH ST	354	248-354SFE	2	TPH as Gasoline	2.7	
248TH ST	354	248-354SFE	5	TPH as Gasoline	210	Y
248TH ST	354	248-354SFE	7	TPH as Gasoline	6.7	
248TH ST	354	248-354SFE	9	TPH as Gasoline	430	
248TH ST	360	248-360SBA	0.5	TPH as Gasoline	0	
248TH ST	360	248-360SBA	2	TPH as Gasoline	0	
248TH ST	360	248-360SBA	3.5	TPH as Gasoline	650	Y
248TH ST	360	248-360SBA	5	TPH as Gasoline	1.1	
248TH ST	360	248-360SBA	10	TPH as Gasoline	1.5	
248TH ST	364	248-364SBB	0.5	TPH as Gasoline	0.23	
248TH ST	364	248-364SBB	2	TPH as Gasoline	0	
248TH ST	364	248-364SBB	5	TPH as Gasoline	470	Y
248TH ST	364	248-364SBB	10	TPH as Gasoline	1.2	
248TH ST	364	248-364SFE	0.5	TPH as Gasoline	0.11	
248TH ST	364	248-364SFE	2	TPH as Gasoline	0.058	
248TH ST	364	248-364SFE	3.5	TPH as Gasoline	6.9	
248TH ST	364	248-364SFE	5	TPH as Gasoline	390	Y
248TH ST	364	248-364SFE	10	TPH as Gasoline	2.8	
248TH ST	374	248-374SBG	0.5	TPH as Gasoline	0.59	
248TH ST	374	248-374SBG	2	TPH as Gasoline	0.34	
248TH ST	374	248-374SBG	3.5	TPH as Gasoline	280	Y
248TH ST	374	248-374SBG	5	TPH as Gasoline	1.8	
248TH ST	374	248-374SBG	8.5	TPH as Gasoline	2.1	
248TH ST	374	248-374SBG	10	TPH as Gasoline	1.6	
248TH ST	374	248-374SFD	0.5	TPH as Gasoline	0.066	
248TH ST	374	248-374SFD	2	TPH as Gasoline	0.16	
248TH ST	374	248-374SFD	3	TPH as Gasoline	2.5	
248TH ST	374	248-374SFD	5	TPH as Gasoline	590	Y
248TH ST	374	248-374SFD	10	TPH as Gasoline	3.8	
248TH ST	374	248-374SFE	0.5	TPH as Gasoline	0.073	
248TH ST	374	248-374SFE	2	TPH as Gasoline	0.14	
248TH ST	374	248-374SFE	5	TPH as Gasoline	240	Y
248TH ST	374	248-374SFE	10	TPH as Gasoline	5.1	
249TH ST	358	249-358SFD	0.5	TPH as Gasoline	0.085	
249TH ST	358	249-358SFD	2	TPH as Gasoline	0	
249TH ST	358	249-358SFD	3	TPH as Gasoline	4.1	
249TH ST	358	249-358SFD	5	TPH as Gasoline	150	Y
249TH ST	358	249-358SFD	10	TPH as Gasoline	1.9	
249TH ST	367	249-367SFD	0.5	TPH as Gasoline	0	
249TH ST	367	249-367SFD	2	TPH as Gasoline	0	
249TH ST	367	249-367SFD	5	TPH as Gasoline	0	
249TH ST	367	249-367SFD	5.5	TPH as Gasoline	0.074	
249TH ST	367	249-367SFD	7	TPH as Gasoline	110	Y
249TH ST	367	249-367SFD	10	TPH as Gasoline	1.3	
249TH ST	368	249-368SFC	0.5	TPH as Gasoline	0	
249TH ST	368	249-368SFC	2	TPH as Gasoline	0	
249TH ST	368	249-368SFC	3.5	TPH as Gasoline	510	Y
249TH ST	368	249-368SFC	5	TPH as Gasoline	2.5	
249TH ST	368	249-368SFC	10	TPH as Gasoline	0.55	
249TH ST	368	249-368SFD	0.5	TPH as Gasoline	0.071	
249TH ST	368	249-368SFD	2	TPH as Gasoline	0	
249TH ST	368	249-368SFD	3.5	TPH as Gasoline	410	Y
249TH ST	368	249-368SFD	5	TPH as Gasoline	0.27	
249TH ST	368	249-368SFD	10	TPH as Gasoline	0.18	
249TH ST	368	249-368SFF	0.5	TPH as Gasoline	0.13	
249TH ST	368	249-368SFF	2	TPH as Gasoline	0.057	
249TH ST	368	249-368SFF	3.5	TPH as Gasoline	1500	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES ≥ 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
249TH ST	368	249-368SFF	4	TPH as Gasoline	480	
249TH ST	368	249-368SFF	5	TPH as Gasoline	1700	Y
249TH ST	368	249-368SFF	10	TPH as Gasoline	6.3	
249TH ST	378	249-378SFC	0.5	TPH as Gasoline	0	
249TH ST	378	249-378SFC	2	TPH as Gasoline	0.056	
249TH ST	378	249-378SFC	3	TPH as Gasoline	0.14	
249TH ST	378	249-378SFC	5	TPH as Gasoline	100	Y
249TH ST	378	249-378SFC	10	TPH as Gasoline	1.1	
249TH ST	402	249-402SBA	0.5	TPH as Gasoline	0.07	
249TH ST	402	249-402SBA	2	TPH as Gasoline	0.062	
249TH ST	402	249-402SBA	5	TPH as Gasoline	290	Y
249TH ST	402	249-402SBA	10	TPH as Gasoline	0.22	
MARBELLA AVE	24412	M-24412SFC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24412	M-24412SFC	2	TPH as Gasoline	0	
MARBELLA AVE	24412	M-24412SFC	3	TPH as Gasoline	1.1	
MARBELLA AVE	24412	M-24412SFC	5	TPH as Gasoline	560	Y
MARBELLA AVE	24412	M-24412SFC	10	TPH as Gasoline	4.4	
MARBELLA AVE	24416	M-24416SBE	0.5	TPH as Gasoline	0.072	
MARBELLA AVE	24416	M-24416SBE	2	TPH as Gasoline	0	
MARBELLA AVE	24416	M-24416SBE	4	TPH as Gasoline	270	Y
MARBELLA AVE	24416	M-24416SBE	5	TPH as Gasoline	2.7	
MARBELLA AVE	24416	M-24416SBE	7.5	TPH as Gasoline	820	
MARBELLA AVE	24416	M-24416SBF	0.5	TPH as Gasoline	0.3	
MARBELLA AVE	24416	M-24416SBF	2	TPH as Gasoline	0	
MARBELLA AVE	24416	M-24416SBF	2.5	TPH as Gasoline	1000	Y
MARBELLA AVE	24416	M-24416SBF	5	TPH as Gasoline	2	
MARBELLA AVE	24416	M-24416SBF	7.5	TPH as Gasoline	740	
MARBELLA AVE	24422	M-24422SBD	0.5	TPH as Gasoline	0	
MARBELLA AVE	24422	M-24422SBD	2	TPH as Gasoline	0	
MARBELLA AVE	24422	M-24422SBD	5	TPH as Gasoline	100	Y
MARBELLA AVE	24422	M-24422SBD	7.5	TPH as Gasoline	0.17	
MARBELLA AVE	24432	M-24432SBH	0.5	TPH as Gasoline	0.062	
MARBELLA AVE	24432	M-24432SBH	2	TPH as Gasoline	230	Y
MARBELLA AVE	24432	M-24432SBH	5	TPH as Gasoline	1.8	
MARBELLA AVE	24432	M-24432SBH	7.5	TPH as Gasoline	600	
MARBELLA AVE	24522	M-24522SFC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24522	M-24522SFC	2	TPH as Gasoline	0	
MARBELLA AVE	24522	M-24522SFC	5	TPH as Gasoline	0	
MARBELLA AVE	24522	M-24522SFC	8	TPH as Gasoline	150	Y
MARBELLA AVE	24522	M-24522SFC	10	TPH as Gasoline	4	
MARBELLA AVE	24532	M-24532SF	0.5	TPH as Gasoline	0.065	
MARBELLA AVE	24532	M-24532SF	2	TPH as Gasoline	0	
MARBELLA AVE	24532	M-24532SF	5	TPH as Gasoline	1.6	
MARBELLA AVE	24532	M-24532SF	10	TPH as Gasoline	340	Y
MARBELLA AVE	24532	M-24532SF	15	TPH as Gasoline	2	
MARBELLA AVE	24532	M-24532SFA	0.5	TPH as Gasoline	0	
MARBELLA AVE	24532	M-24532SFA	2	TPH as Gasoline	0	
MARBELLA AVE	24532	M-24532SFA	5	TPH as Gasoline	100	Y
MARBELLA AVE	24532	M-24532SFA	10	TPH as Gasoline	0	
MARBELLA AVE	24606	M-24606SBC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24606	M-24606SBC	2	TPH as Gasoline	0	
MARBELLA AVE	24606	M-24606SBC	5	TPH as Gasoline	190	
MARBELLA AVE	24606	M-24606SBC	7	TPH as Gasoline	620	Y
MARBELLA AVE	24606	M-24606SBC	10	TPH as Gasoline	120	
MARBELLA AVE	24628	M-24628SBC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24628	M-24628SBC	2	TPH as Gasoline	0	
MARBELLA AVE	24628	M-24628SBC	5	TPH as Gasoline	570	Y
MARBELLA AVE	24628	M-24628SBC	10	TPH as Gasoline	100	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES ≥ 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
MARBELLA AVE	24700	M-24700SBB	-2.9	TPH as Gasoline	0.17	
MARBELLA AVE	24700	M-24700SBB	-1.5	TPH as Gasoline	0.077	
MARBELLA AVE	24700	M-24700SBB	0	TPH as Gasoline	1100	
MARBELLA AVE	24700	M-24700SBB	0.5	TPH as Gasoline	990	Y
MARBELLA AVE	24700	M-24700SBB	2	TPH as Gasoline	110	Y
MARBELLA AVE	24700	M-24700SBB	4.5	TPH as Gasoline	3.7	
MARBELLA AVE	24700	M-24700SFA	0.5	TPH as Gasoline	0	
MARBELLA AVE	24700	M-24700SFA	2	TPH as Gasoline	0	
MARBELLA AVE	24700	M-24700SFA	4	TPH as Gasoline	0.063	
MARBELLA AVE	24700	M-24700SFA	5	TPH as Gasoline	230	Y
MARBELLA AVE	24700	M-24700SFA	10	TPH as Gasoline	0.98	
MARBELLA AVE	24706	M-24706SFC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24706	M-24706SFC	2	TPH as Gasoline	0	
MARBELLA AVE	24706	M-24706SFC	5	TPH as Gasoline	280	Y
MARBELLA AVE	24706	M-24706SFC	8.5	TPH as Gasoline	0	
MARBELLA AVE	24706	M-24706SFC	9	TPH as Gasoline	0.18	
MARBELLA AVE	24710	M-24710SFA	0.5	TPH as Gasoline	0.08	
MARBELLA AVE	24710	M-24710SFA	2	TPH as Gasoline	0	
MARBELLA AVE	24710	M-24710SFA	5	TPH as Gasoline	220	Y
MARBELLA AVE	24710	M-24710SFA	10	TPH as Gasoline	1.4	
MARBELLA AVE	24710	M-24710SFBB	5	TPH as Gasoline	8	
MARBELLA AVE	24710	M-24710SFBB	5.5	TPH as Gasoline	200	Y
MARBELLA AVE	24710	M-24710SFBB	10	TPH as Gasoline	1.6	
MARBELLA AVE	24717	M-24717SFC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24717	M-24717SFC	2	TPH as Gasoline	31	
MARBELLA AVE	24717	M-24717SFC	2.5	TPH as Gasoline	320	Y
MARBELLA AVE	24717	M-24717SFC	5	TPH as Gasoline	0.94	
MARBELLA AVE	24717	M-24717SFC	10	TPH as Gasoline	0.47	
MARBELLA AVE	24717	M-24717SFE	0.5	TPH as Gasoline	0	
MARBELLA AVE	24717	M-24717SFE	2	TPH as Gasoline	140	Y
MARBELLA AVE	24717	M-24717SFE	5	TPH as Gasoline	5.8	
MARBELLA AVE	24717	M-24717SFE	10	TPH as Gasoline	0.15	
MARBELLA AVE	24727	M-24727SBA	0.5	TPH as Gasoline	0	
MARBELLA AVE	24727	M-24727SBA	2	TPH as Gasoline	0	
MARBELLA AVE	24727	M-24727SBA	3	TPH as Gasoline	630	Y
MARBELLA AVE	24727	M-24727SBA	5	TPH as Gasoline	0.48	
MARBELLA AVE	24727	M-24727SBA	10	TPH as Gasoline	0.22	
MARBELLA AVE	24733	M-24733SFC	0.5	TPH as Gasoline	0	
MARBELLA AVE	24733	M-24733SFC	2	TPH as Gasoline	690	Y
MARBELLA AVE	24733	M-24733SFC	5	TPH as Gasoline	0.48	
MARBELLA AVE	24733	M-24733SFC	10	TPH as Gasoline	0.2	
MARBELLA AVE	24737	M-24737SFA	0.5	TPH as Gasoline	0.068	
MARBELLA AVE	24737	M-24737SFA	2	TPH as Gasoline	0	
MARBELLA AVE	24737	M-24737SFA	3	TPH as Gasoline	900	Y
MARBELLA AVE	24737	M-24737SFA	5	TPH as Gasoline	0.15	
MARBELLA AVE	24737	M-24737SFA	10	TPH as Gasoline	0.13	
MARBELLA AVE	24740	M-24740SBH	0.5	TPH as Gasoline	0	
MARBELLA AVE	24740	M-24740SBH	2	TPH as Gasoline	0	
MARBELLA AVE	24740	M-24740SBH	4.5	TPH as Gasoline	480	
MARBELLA AVE	24740	M-24740SBH	5	TPH as Gasoline	770	Y
MARBELLA AVE	24740	M-24740SBH	10	TPH as Gasoline	110	
NEPTUNE AVE	24403	N-24403SFG	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24403	N-24403SFG	2	TPH as Gasoline	0	
NEPTUNE AVE	24403	N-24403SFG	4	TPH as Gasoline	240	Y
NEPTUNE AVE	24403	N-24403SFG	5	TPH as Gasoline	2.4	
NEPTUNE AVE	24403	N-24403SFG	8	TPH as Gasoline	270	
NEPTUNE AVE	24502	N-24502SFA	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24502	N-24502SFA	2	TPH as Gasoline	0	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES ≥ 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
NEPTUNE AVE	24502	N-24502SFA	5	TPH as Gasoline	0	
NEPTUNE AVE	24502	N-24502SFA	8.5	TPH as Gasoline	210	Y
NEPTUNE AVE	24502	N-24502SFA	10	TPH as Gasoline	33	
NEPTUNE AVE	24503	N-24503SBC	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24503	N-24503SBC	2	TPH as Gasoline	0	
NEPTUNE AVE	24503	N-24503SBC	5	TPH as Gasoline	0	
NEPTUNE AVE	24503	N-24503SBC	5.5	TPH as Gasoline	100	Y
NEPTUNE AVE	24503	N-24503SBC	10	TPH as Gasoline	1.9	
NEPTUNE AVE	24508	N-24508SFD	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24508	N-24508SFD	2	TPH as Gasoline	0	
NEPTUNE AVE	24508	N-24508SFD	5	TPH as Gasoline	0	
NEPTUNE AVE	24508	N-24508SFD	9	TPH as Gasoline	360	Y
NEPTUNE AVE	24508	N-24508SFD	10	TPH as Gasoline	1.3	
NEPTUNE AVE	24509	N-24509SBA	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24509	N-24509SBA	2	TPH as Gasoline	0	
NEPTUNE AVE	24509	N-24509SBA	5	TPH as Gasoline	0	
NEPTUNE AVE	24509	N-24509SBA	9	TPH as Gasoline	200	Y
NEPTUNE AVE	24509	N-24509SBA	10	TPH as Gasoline	0.18	
NEPTUNE AVE	24522	N-24522SB	-0.5	TPH as Gasoline	0	
NEPTUNE AVE	24522	N-24522SB	0.5	TPH as Gasoline	0.1	
NEPTUNE AVE	24522	N-24522SB	2	TPH as Gasoline	0	
NEPTUNE AVE	24522	N-24522SB	5	TPH as Gasoline	140	Y
NEPTUNE AVE	24522	N-24522SB	6	TPH as Gasoline	6.9	
NEPTUNE AVE	24522	N-24522SB	10	TPH as Gasoline	540	
NEPTUNE AVE	24522	N-24522SF	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24522	N-24522SF	2	TPH as Gasoline	0	
NEPTUNE AVE	24522	N-24522SF	5	TPH as Gasoline	0	
NEPTUNE AVE	24522	N-24522SF	6	TPH as Gasoline	670	Y
NEPTUNE AVE	24522	N-24522SF	10	TPH as Gasoline	1.1	
NEPTUNE AVE	24529	N-24529SBB	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24529	N-24529SBB	2	TPH as Gasoline	0	
NEPTUNE AVE	24529	N-24529SBB	3	TPH as Gasoline	430	Y
NEPTUNE AVE	24529	N-24529SBB	5	TPH as Gasoline	6.3	
NEPTUNE AVE	24529	N-24529SBB	10	TPH as Gasoline	1400	
NEPTUNE AVE	24603	N-24603SBA	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24603	N-24603SBA	2	TPH as Gasoline	1600	
NEPTUNE AVE	24603	N-24603SBA	5	TPH as Gasoline	1700	Y
NEPTUNE AVE	24603	N-24603SBA	10	TPH as Gasoline	250	
NEPTUNE AVE	24608	N-24608SBA	-0.5	TPH as Gasoline	0	
NEPTUNE AVE	24608	N-24608SBA	0.5	TPH as Gasoline	0.099	
NEPTUNE AVE	24608	N-24608SBA	2	TPH as Gasoline	0	
NEPTUNE AVE	24608	N-24608SBA	2.5	TPH as Gasoline	430	Y
NEPTUNE AVE	24608	N-24608SBA	5	TPH as Gasoline	5.2	
NEPTUNE AVE	24608	N-24608SBA	10	TPH as Gasoline	670	
NEPTUNE AVE	24609	N-24609SB	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24609	N-24609SB	2	TPH as Gasoline	1400	
NEPTUNE AVE	24609	N-24609SB	5	TPH as Gasoline	2200	Y
NEPTUNE AVE	24609	N-24609SB	10	TPH as Gasoline	250	
NEPTUNE AVE	24613	N-24613SFD	0.5	TPH as Gasoline	0.12	
NEPTUNE AVE	24613	N-24613SFD	2	TPH as Gasoline	0	
NEPTUNE AVE	24613	N-24613SFD	2.5	TPH as Gasoline	480	Y
NEPTUNE AVE	24613	N-24613SFD	5	TPH as Gasoline	4.2	
NEPTUNE AVE	24613	N-24613SFD	6	TPH as Gasoline	820	
NEPTUNE AVE	24622	N-24622SBB	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24622	N-24622SBB	2	TPH as Gasoline	0	
NEPTUNE AVE	24622	N-24622SBB	3	TPH as Gasoline	110	Y
NEPTUNE AVE	24622	N-24622SBB	5	TPH as Gasoline	2.5	
NEPTUNE AVE	24622	N-24622SBB	8	TPH as Gasoline	120	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES ≥ 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
NEPTUNE AVE	24703	N-24703SFB	0.5	TPH as Gasoline	0.11	
NEPTUNE AVE	24703	N-24703SFB	2	TPH as Gasoline	0	
NEPTUNE AVE	24703	N-24703SFB	4	TPH as Gasoline	270	
NEPTUNE AVE	24703	N-24703SFB	5	TPH as Gasoline	290	Y
NEPTUNE AVE	24703	N-24703SFB	8	TPH as Gasoline	0.95	
NEPTUNE AVE	24703	N-24703SFD	0.5	TPH as Gasoline	0.24	
NEPTUNE AVE	24703	N-24703SFD	2	TPH as Gasoline	0	
NEPTUNE AVE	24703	N-24703SFD	3.5	TPH as Gasoline	230	
NEPTUNE AVE	24703	N-24703SFD	5	TPH as Gasoline	160	Y
NEPTUNE AVE	24703	N-24703SFD	8	TPH as Gasoline	4.6	
NEPTUNE AVE	24703	N-24703SFE	0.5	TPH as Gasoline	0.1	
NEPTUNE AVE	24703	N-24703SFE	2	TPH as Gasoline	0.054	
NEPTUNE AVE	24703	N-24703SFE	5	TPH as Gasoline	140	
NEPTUNE AVE	24703	N-24703SFE	6	TPH as Gasoline	710	Y
NEPTUNE AVE	24703	N-24703SFE	8.5	TPH as Gasoline	3.4	
NEPTUNE AVE	24715	N-24715SBB	0.5	TPH as Gasoline	0	
NEPTUNE AVE	24715	N-24715SBB	2	TPH as Gasoline	0	
NEPTUNE AVE	24715	N-24715SBB	4.5	TPH as Gasoline	610	Y
NEPTUNE AVE	24715	N-24715SBB	5	TPH as Gasoline	7	
NEPTUNE AVE	24715	N-24715SBB	8	TPH as Gasoline	1.6	
PANAMA AVE	24417	P-24417SFB	0.5	TPH as Gasoline	0.13	
PANAMA AVE	24417	P-24417SFB	2	TPH as Gasoline	0	
PANAMA AVE	24417	P-24417SFB	5	TPH as Gasoline	0.24	
PANAMA AVE	24417	P-24417SFB	7	TPH as Gasoline	0	
PANAMA AVE	24417	P-24417SFB	8.5	TPH as Gasoline	240	Y
PANAMA AVE	24417	P-24417SFB	10	TPH as Gasoline	3.1	
PANAMA AVE	24421	P-24421SBB	0.5	TPH as Gasoline	0	
PANAMA AVE	24421	P-24421SBB	2	TPH as Gasoline	0	
PANAMA AVE	24421	P-24421SBB	5	TPH as Gasoline	0	
PANAMA AVE	24421	P-24421SBB	9.5	TPH as Gasoline	630	Y
PANAMA AVE	24421	P-24421SBB	10	TPH as Gasoline	3.8	
PANAMA AVE	24421	P-24421SFC	0.5	TPH as Gasoline	0	
PANAMA AVE	24421	P-24421SFC	2	TPH as Gasoline	0	
PANAMA AVE	24421	P-24421SFC	3.5	TPH as Gasoline	2.1	
PANAMA AVE	24421	P-24421SFC	5	TPH as Gasoline	1100	Y
PANAMA AVE	24421	P-24421SFC	10	TPH as Gasoline	1	
PANAMA AVE	24503	P-24503SBA	0.5	TPH as Gasoline	0	
PANAMA AVE	24503	P-24503SBA	2	TPH as Gasoline	0.13	
PANAMA AVE	24503	P-24503SBA	3	TPH as Gasoline	670	Y
PANAMA AVE	24503	P-24503SBA	5	TPH as Gasoline	0.23	
PANAMA AVE	24503	P-24503SBA	10	TPH as Gasoline	67	
PANAMA AVE	24503	P-24503SBB	0.5	TPH as Gasoline	0	
PANAMA AVE	24503	P-24503SBB	2	TPH as Gasoline	0	
PANAMA AVE	24503	P-24503SBB	3	TPH as Gasoline	240	Y
PANAMA AVE	24503	P-24503SBB	5	TPH as Gasoline	44	
PANAMA AVE	24503	P-24503SBB	10	TPH as Gasoline	9.7	
PANAMA AVE	24503	P-24503SBC	0.5	TPH as Gasoline	0	
PANAMA AVE	24503	P-24503SBC	2	TPH as Gasoline	0	
PANAMA AVE	24503	P-24503SBC	3.5	TPH as Gasoline	570	
PANAMA AVE	24503	P-24503SBC	5	TPH as Gasoline	690	Y
PANAMA AVE	24503	P-24503SBC	10	TPH as Gasoline	46	
PANAMA AVE	24513	P-24513SBA	0.5	TPH as Gasoline	0	
PANAMA AVE	24513	P-24513SBA	2	TPH as Gasoline	0	
PANAMA AVE	24513	P-24513SBA	4	TPH as Gasoline	400	Y
PANAMA AVE	24513	P-24513SBA	5	TPH as Gasoline	5.6	
PANAMA AVE	24513	P-24513SBA	10	TPH as Gasoline	460	
PANAMA AVE	24513	P-24513SBDA	2	TPH as Gasoline	0	
PANAMA AVE	24513	P-24513SBDA	5	TPH as Gasoline	0.069	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES \geq 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
PANAMA AVE	24513	P-24513SBDA	6	TPH as Gasoline	990	Y
PANAMA AVE	24513	P-24513SBDA	10	TPH as Gasoline	180	
PANAMA AVE	24513	P-24513SBE	0.5	TPH as Gasoline	0	
PANAMA AVE	24513	P-24513SBE	2	TPH as Gasoline	0	
PANAMA AVE	24513	P-24513SBE	5	TPH as Gasoline	1400	
PANAMA AVE	24513	P-24513SBE	6.5	TPH as Gasoline	2300	Y
PANAMA AVE	24513	P-24513SBE	10	TPH as Gasoline	230	
PANAMA AVE	24519	P-24519SBA	0.5	TPH as Gasoline	0	
PANAMA AVE	24519	P-24519SBA	2	TPH as Gasoline	0	
PANAMA AVE	24519	P-24519SBA	4	TPH as Gasoline	230	Y
PANAMA AVE	24519	P-24519SBA	5	TPH as Gasoline	2.9	
PANAMA AVE	24519	P-24519SBA	10	TPH as Gasoline	190	
PANAMA AVE	24609	P-24609SF	0.5	TPH as Gasoline	0	
PANAMA AVE	24609	P-24609SF	2	TPH as Gasoline	0.057	
PANAMA AVE	24609	P-24609SF	3	TPH as Gasoline	0.9	
PANAMA AVE	24609	P-24609SF	5	TPH as Gasoline	230	Y
PANAMA AVE	24609	P-24609SF	10	TPH as Gasoline	1.3	
PANAMA AVE	24612	P-24612SFD	0.5	TPH as Gasoline	0.063	
PANAMA AVE	24612	P-24612SFD	2	TPH as Gasoline	0	
PANAMA AVE	24612	P-24612SFD	3.5	TPH as Gasoline	0.26	
PANAMA AVE	24612	P-24612SFD	5	TPH as Gasoline	590	Y
PANAMA AVE	24612	P-24612SFD	8	TPH as Gasoline	1.6	
PANAMA AVE	24612	P-24612SFD	10	TPH as Gasoline	0.41	
PANAMA AVE	24613	P-24613SFC	0.5	TPH as Gasoline	0	
PANAMA AVE	24613	P-24613SFC	2	TPH as Gasoline	0	
PANAMA AVE	24613	P-24613SFC	3	TPH as Gasoline	0.072	
PANAMA AVE	24613	P-24613SFC	5	TPH as Gasoline	100	Y
PANAMA AVE	24613	P-24613SFC	10	TPH as Gasoline	0.67	
PANAMA AVE	24613	P-24613SBE	3.5	TPH as Gasoline	110	Y
PANAMA AVE	24613	P-24613SBE	5	TPH as Gasoline	1.4	
PANAMA AVE	24613	P-24613SBE	6	TPH as Gasoline	1.8	
PANAMA AVE	24613	P-24613SBE	7	TPH as Gasoline	1.5	
PANAMA AVE	24613	P-24613SBE	8	TPH as Gasoline	4.2	
PANAMA AVE	24613	P-24613SBE	9	TPH as Gasoline	410	Y
PANAMA AVE	24613	P-24613SBE	10	TPH as Gasoline	1.8	
PANAMA AVE	24619	P-24619SF	-0.5	TPH as Gasoline	0.1	
PANAMA AVE	24619	P-24619SF	0.5	TPH as Gasoline	0.055	
PANAMA AVE	24619	P-24619SF	2	TPH as Gasoline	0	
PANAMA AVE	24619	P-24619SF	5	TPH as Gasoline	240	Y
PANAMA AVE	24619	P-24619SF	10	TPH as Gasoline	0.95	
PANAMA AVE	24619	P-24619SFA	-1	TPH as Gasoline	0.094	
PANAMA AVE	24619	P-24619SFA	0.5	TPH as Gasoline	0.089	
PANAMA AVE	24619	P-24619SFA	2	TPH as Gasoline	0.13	
PANAMA AVE	24619	P-24619SFA	3	TPH as Gasoline	0.55	
PANAMA AVE	24619	P-24619SFA	5	TPH as Gasoline	270	Y
PANAMA AVE	24619	P-24619SFA	10	TPH as Gasoline	0.59	
PANAMA AVE	24619	P-24619SFB	-1	TPH as Gasoline	0	
PANAMA AVE	24619	P-24619SFB	0.5	TPH as Gasoline	0	
PANAMA AVE	24619	P-24619SFB	2.5	TPH as Gasoline	0.45	
PANAMA AVE	24619	P-24619SFB	5	TPH as Gasoline	330	Y
PANAMA AVE	24619	P-24619SFB	10	TPH as Gasoline	2.4	
PANAMA AVE	24619	P-24619SFD	-1	TPH as Gasoline	0.11	
PANAMA AVE	24619	P-24619SFD	0.5	TPH as Gasoline	0	
PANAMA AVE	24619	P-24619SFD	2	TPH as Gasoline	0	
PANAMA AVE	24619	P-24619SFD	3.5	TPH as Gasoline	0.14	
PANAMA AVE	24619	P-24619SFD	5	TPH as Gasoline	550	Y
PANAMA AVE	24619	P-24619SFD	10	TPH as Gasoline	3.6	
PANAMA AVE	24702	P-24702SFA	0.5	TPH as Gasoline	0.073	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES \geq 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
PANAMA AVE	24702	P-24702SFA	2	TPH as Gasoline	0.12	
PANAMA AVE	24702	P-24702SFA	3.5	TPH as Gasoline	2700	Y
PANAMA AVE	24702	P-24702SFA	5	TPH as Gasoline	500	Y
PANAMA AVE	24702	P-24702SFA	10	TPH as Gasoline	5.5	
PANAMA AVE	24708	P-24708SFC	0.5	TPH as Gasoline	0	
PANAMA AVE	24708	P-24708SFC	2	TPH as Gasoline	0	
PANAMA AVE	24708	P-24708SFC	5	TPH as Gasoline	0.17	
PANAMA AVE	24708	P-24708SFC	6	TPH as Gasoline	190	Y
PANAMA AVE	24708	P-24708SFC	10	TPH as Gasoline	1.4	
PANAMA AVE	24709	P-24709SF	0.5	TPH as Gasoline	0	
PANAMA AVE	24709	P-24709SF	2	TPH as Gasoline	0	
PANAMA AVE	24709	P-24709SF	5	TPH as Gasoline	400	Y
PANAMA AVE	24709	P-24709SF	10	TPH as Gasoline	0.25	
PANAMA AVE	24709	P-24709SFC	0.5	TPH as Gasoline	0.065	
PANAMA AVE	24709	P-24709SFC	2	TPH as Gasoline	0	
PANAMA AVE	24709	P-24709SFC	4	TPH as Gasoline	0	
PANAMA AVE	24709	P-24709SFC	5	TPH as Gasoline	2000	Y
PANAMA AVE	24709	P-24709SFC	10	TPH as Gasoline	1.9	
PANAMA AVE	24709	P-24709SFD	0.5	TPH as Gasoline	0	
PANAMA AVE	24709	P-24709SFD	2	TPH as Gasoline	0	
PANAMA AVE	24709	P-24709SFD	4	TPH as Gasoline	260	Y
PANAMA AVE	24709	P-24709SFD	5	TPH as Gasoline	0.99	
PANAMA AVE	24709	P-24709SFD	6	TPH as Gasoline	290	Y
PANAMA AVE	24709	P-24709SFD	10	TPH as Gasoline	0.32	
PANAMA AVE	24712	P-24712SFB	0.5	TPH as Gasoline	0.073	
PANAMA AVE	24712	P-24712SFB	2	TPH as Gasoline	0	
PANAMA AVE	24712	P-24712SFB	3.5	TPH as Gasoline	64	
PANAMA AVE	24712	P-24712SFB	5	TPH as Gasoline	490	Y
PANAMA AVE	24712	P-24712SFB	10	TPH as Gasoline	9.9	
PANAMA AVE	24712	P-24712SFC	0.5	TPH as Gasoline	0	
PANAMA AVE	24712	P-24712SFC	2	TPH as Gasoline	0	
PANAMA AVE	24712	P-24712SFC	5	TPH as Gasoline	120	Y
PANAMA AVE	24712	P-24712SFC	10	TPH as Gasoline	0.22	
PANAMA AVE	24713	P-24713SFD	0.5	TPH as Gasoline	0.061	
PANAMA AVE	24713	P-24713SFD	2	TPH as Gasoline	0	
PANAMA AVE	24713	P-24713SFD	4	TPH as Gasoline	0.071	
PANAMA AVE	24713	P-24713SFD	5	TPH as Gasoline	340	Y
PANAMA AVE	24713	P-24713SFD	10	TPH as Gasoline	0.3	
PANAMA AVE	24728	P-24728SBB	0.5	TPH as Gasoline	0	
PANAMA AVE	24728	P-24728SBB	2	TPH as Gasoline	0.059	
PANAMA AVE	24728	P-24728SBB	3	TPH as Gasoline	0.084	
PANAMA AVE	24728	P-24728SBB	3.5	TPH as Gasoline	380	Y
PANAMA AVE	24728	P-24728SBB	5	TPH as Gasoline	0.13	
PANAMA AVE	24728	P-24728SBB	10	TPH as Gasoline	0.085	
PANAMA AVE	24739	P-24739SBD	0.5	TPH as Gasoline	0	
PANAMA AVE	24739	P-24739SBD	2	TPH as Gasoline	3600	Y
PANAMA AVE	24739	P-24739SBD	5	TPH as Gasoline	370	
PANAMA AVE	24739	P-24739SBD	10	TPH as Gasoline	140	
PANAMA AVE	24802	P-24802SBD	0.5	TPH as Gasoline	0	
PANAMA AVE	24802	P-24802SBD	2	TPH as Gasoline	0.19	
PANAMA AVE	24802	P-24802SBD	2.5	TPH as Gasoline	220	Y
PANAMA AVE	24802	P-24802SBD	5	TPH as Gasoline	0.16	
PANAMA AVE	24802	P-24802SBD	10	TPH as Gasoline	0.071	
PANAMA AVE	24802	P-24802SBE	0.5	TPH as Gasoline	0	
PANAMA AVE	24802	P-24802SBE	2	TPH as Gasoline	280	Y
PANAMA AVE	24802	P-24802SBE	5	TPH as Gasoline	0	
PANAMA AVE	24802	P-24802SBE	10	TPH as Gasoline	0.083	
PANAMA AVE	24813	P-24813SFB	0.5	TPH as Gasoline	0	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES ≥ 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
PANAMA AVE	24813	P-24813SFB	2	TPH as Gasoline	0	
PANAMA AVE	24813	P-24813SFB	3.5	TPH as Gasoline	220	Y
PANAMA AVE	24813	P-24813SFB	5	TPH as Gasoline	2.8	
PANAMA AVE	24813	P-24813SFB	10	TPH as Gasoline	4.8	
PANAMA AVE	24813	P-24813SFC	0.5	TPH as Gasoline	0.054	
PANAMA AVE	24813	P-24813SFC	2	TPH as Gasoline	0	
PANAMA AVE	24813	P-24813SFC	4	TPH as Gasoline	480	Y
PANAMA AVE	24813	P-24813SFC	5	TPH as Gasoline	1.9	
PANAMA AVE	24813	P-24813SFC	10	TPH as Gasoline	280	
PANAMA AVE	24818	P-24818SBA	0.5	TPH as Gasoline	0	
PANAMA AVE	24818	P-24818SBA	2	TPH as Gasoline	0	
PANAMA AVE	24818	P-24818SBA	2.5	TPH as Gasoline	0.15	
PANAMA AVE	24818	P-24818SBA	2.75	TPH as Gasoline	230	Y
PANAMA AVE	24818	P-24818SBA	5	TPH as Gasoline	0.052	
PANAMA AVE	24818	P-24818SFE	0.5	TPH as Gasoline	0.085	
PANAMA AVE	24818	P-24818SFE	2	TPH as Gasoline	0	
PANAMA AVE	24818	P-24818SFE	2.5	TPH as Gasoline	620	Y
PANAMA AVE	24818	P-24818SFE	5	TPH as Gasoline	0.08	
PANAMA AVE	24818	P-24818SFE	10	TPH as Gasoline	0	
PANAMA AVE	24819	P-24819SBA	0.5	TPH as Gasoline	0	
PANAMA AVE	24819	P-24819SBA	2	TPH as Gasoline	0	
PANAMA AVE	24819	P-24819SBA	3	TPH as Gasoline	2.4	
PANAMA AVE	24819	P-24819SBA	5	TPH as Gasoline	1100	Y
PANAMA AVE	24819	P-24819SBA	10	TPH as Gasoline	5.7	
PANAMA AVE	24819	P-24819SFD	0.5	TPH as Gasoline	0.15	
PANAMA AVE	24819	P-24819SFD	2	TPH as Gasoline	0	
PANAMA AVE	24819	P-24819SFD	3	TPH as Gasoline	0.1	
PANAMA AVE	24819	P-24819SFD	5	TPH as Gasoline	420	Y
PANAMA AVE	24819	P-24819SFD	10	TPH as Gasoline	4.4	
PANAMA AVE	24822	P-24822SBB	0.5	TPH as Gasoline	0	
PANAMA AVE	24822	P-24822SBB	2	TPH as Gasoline	0	
PANAMA AVE	24822	P-24822SBB	2.5	TPH as Gasoline	260	Y
PANAMA AVE	24822	P-24822SBB	5	TPH as Gasoline	15	
PANAMA AVE	24822	P-24822SBB	10	TPH as Gasoline	0.061	
PANAMA AVE	24823	P-24823SBC	0.5	TPH as Gasoline	0.18	
PANAMA AVE	24823	P-24823SBC	2	TPH as Gasoline	0.38	
PANAMA AVE	24823	P-24823SBC	3.5	TPH as Gasoline	220	Y
PANAMA AVE	24823	P-24823SBC	5	TPH as Gasoline	4	
PANAMA AVE	24823	P-24823SBC	10	TPH as Gasoline	3.1	
PANAMA AVE	24823	P-24823SFBA	3.5	TPH as Gasoline	130	Y
PANAMA AVE	24823	P-24823SFBA	5	TPH as Gasoline	2.7	
PANAMA AVE	24823	P-24823SFBA	10	TPH as Gasoline	5.7	
RAVENNA AVE	24402	R-24402SB	0.5	TPH as Gasoline	0.12	
RAVENNA AVE	24402	R-24402SB	2	TPH as Gasoline	1100	Y
RAVENNA AVE	24402	R-24402SB	5	TPH as Gasoline	6.7	
RAVENNA AVE	24402	R-24402SB	10	TPH as Gasoline	180	
RAVENNA AVE	24402	R-24402SB	15	TPH as Gasoline	300	
RAVENNA AVE	24402	R-24402SFC	0.5	TPH as Gasoline	0.052	
RAVENNA AVE	24402	R-24402SFC	2	TPH as Gasoline	350	Y
RAVENNA AVE	24402	R-24402SFC	5	TPH as Gasoline	0.8	
RAVENNA AVE	24402	R-24402SFC	8.5	TPH as Gasoline	610	
RAVENNA AVE	24402	R-24402SFC	10	TPH as Gasoline	3100	
RAVENNA AVE	24402	R-24402SFE	0.5	TPH as Gasoline	0	
RAVENNA AVE	24402	R-24402SFE	2	TPH as Gasoline	330	Y
RAVENNA AVE	24402	R-24402SFE	5	TPH as Gasoline	2	
RAVENNA AVE	24402	R-24402SFE	10	TPH as Gasoline	1300	
RAVENNA AVE	24412	R-24412SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24412	R-24412SFA	2	TPH as Gasoline	0	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES \geq 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
RAVENNA AVE	24412	R-24412SFA	3.5	TPH as Gasoline	1400	Y
RAVENNA AVE	24412	R-24412SFA	5	TPH as Gasoline	0.67	
RAVENNA AVE	24412	R-24412SFA	10	TPH as Gasoline	430	
RAVENNA AVE	24412	R-24412SFC	0.5	TPH as Gasoline	0	
RAVENNA AVE	24412	R-24412SFC	2	TPH as Gasoline	0	
RAVENNA AVE	24412	R-24412SFC	3	TPH as Gasoline	740	Y
RAVENNA AVE	24412	R-24412SFC	5	TPH as Gasoline	0.26	
RAVENNA AVE	24412	R-24412SFC	9.5	TPH as Gasoline	0.35	
RAVENNA AVE	24412	R-24412SFF	0.5	TPH as Gasoline	0	
RAVENNA AVE	24412	R-24412SFF	2	TPH as Gasoline	750	Y
RAVENNA AVE	24412	R-24412SFF	3	TPH as Gasoline	72	
RAVENNA AVE	24412	R-24412SFF	5	TPH as Gasoline	0.39	
RAVENNA AVE	24412	R-24412SFF	9.5	TPH as Gasoline	0.13	
RAVENNA AVE	24412	R-24412SFF	10	TPH as Gasoline	6.9	
RAVENNA AVE	24416	R-24416SBA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24416	R-24416SBA	2	TPH as Gasoline	550	Y
RAVENNA AVE	24416	R-24416SBA	5	TPH as Gasoline	0.35	
RAVENNA AVE	24416	R-24416SBA	10	TPH as Gasoline	36	
RAVENNA AVE	24416	R-24416SBD	0.5	TPH as Gasoline	0	
RAVENNA AVE	24416	R-24416SBD	2	TPH as Gasoline	0	
RAVENNA AVE	24416	R-24416SBD	3	TPH as Gasoline	290	Y
RAVENNA AVE	24416	R-24416SBD	5	TPH as Gasoline	0.62	
RAVENNA AVE	24416	R-24416SBD	10	TPH as Gasoline	1.2	
RAVENNA AVE	24416	R-24416SFC	0.5	TPH as Gasoline	0.11	
RAVENNA AVE	24416	R-24416SFC	2	TPH as Gasoline	0	
RAVENNA AVE	24416	R-24416SFC	3.5	TPH as Gasoline	430	Y
RAVENNA AVE	24416	R-24416SFC	5	TPH as Gasoline	0.93	
RAVENNA AVE	24416	R-24416SFC	10	TPH as Gasoline	2.8	
RAVENNA AVE	24422	R-24422SBB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SBB	2	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SBB	3.5	TPH as Gasoline	260	
RAVENNA AVE	24422	R-24422SBB	5	TPH as Gasoline	130	Y
RAVENNA AVE	24422	R-24422SBB	10	TPH as Gasoline	1.1	
RAVENNA AVE	24422	R-24422SBC	0.5	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SBC	2	TPH as Gasoline	800	Y
RAVENNA AVE	24422	R-24422SBC	5	TPH as Gasoline	0.5	
RAVENNA AVE	24422	R-24422SBC	10	TPH as Gasoline	24	
RAVENNA AVE	24422	R-24422SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SFA	2	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SFA	5	TPH as Gasoline	230	Y
RAVENNA AVE	24422	R-24422SFA	10	TPH as Gasoline	0.12	
RAVENNA AVE	24422	R-24422SFC	0.5	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SFC	2	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SFC	5	TPH as Gasoline	120	Y
RAVENNA AVE	24422	R-24422SFC	10	TPH as Gasoline	0.67	
RAVENNA AVE	24422	R-24422SFD	0.5	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SFD	2	TPH as Gasoline	0	
RAVENNA AVE	24422	R-24422SFD	5	TPH as Gasoline	190	Y
RAVENNA AVE	24422	R-24422SFD	10	TPH as Gasoline	1.2	
RAVENNA AVE	24423	R-24423SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24423	R-24423SFA	2	TPH as Gasoline	0	
RAVENNA AVE	24423	R-24423SFA	3.5	TPH as Gasoline	270	Y
RAVENNA AVE	24423	R-24423SFA	5	TPH as Gasoline	0.28	
RAVENNA AVE	24423	R-24423SFC	0.5	TPH as Gasoline	0.094	
RAVENNA AVE	24423	R-24423SFC	2	TPH as Gasoline	0	
RAVENNA AVE	24423	R-24423SFC	4	TPH as Gasoline	0.87	
RAVENNA AVE	24423	R-24423SFC	5	TPH as Gasoline	1900	Y
RAVENNA AVE	24423	R-24423SFC	8	TPH as Gasoline	37	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES \geq 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
RAVENNA AVE	24426	R-24426SBA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SBA	2	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SBA	3	TPH as Gasoline	0.57	
RAVENNA AVE	24426	R-24426SBA	5	TPH as Gasoline	1000	Y
RAVENNA AVE	24426	R-24426SBA	10	TPH as Gasoline	0.86	
RAVENNA AVE	24426	R-24426SBB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SBB	2	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SBB	3	TPH as Gasoline	0.12	
RAVENNA AVE	24426	R-24426SBB	5	TPH as Gasoline	1100	Y
RAVENNA AVE	24426	R-24426SBB	10	TPH as Gasoline	0.18	
RAVENNA AVE	24426	R-24426SBC	0.5	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SBC	2	TPH as Gasoline	0.13	
RAVENNA AVE	24426	R-24426SBC	3	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SBC	5	TPH as Gasoline	590	Y
RAVENNA AVE	24426	R-24426SBC	10	TPH as Gasoline	1.1	
RAVENNA AVE	24426	R-24426SFB	0.5	TPH as Gasoline	0.14	
RAVENNA AVE	24426	R-24426SFB	2	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SFB	5	TPH as Gasoline	410	Y
RAVENNA AVE	24426	R-24426SFB	10	TPH as Gasoline	0.68	
RAVENNA AVE	24426	R-24426SFEB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SFEB	2	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SFEB	3.5	TPH as Gasoline	0	
RAVENNA AVE	24426	R-24426SFEB	5	TPH as Gasoline	330	Y
RAVENNA AVE	24426	R-24426SFEB	7.5	TPH as Gasoline	0.29	
RAVENNA AVE	24426	R-24426SFEB	10	TPH as Gasoline	0.24	
RAVENNA AVE	24502	R-24502SB	0.5	TPH as Gasoline	0.075	
RAVENNA AVE	24502	R-24502SB	2	TPH as Gasoline	0.05	
RAVENNA AVE	24502	R-24502SB	3	TPH as Gasoline	0.072	
RAVENNA AVE	24502	R-24502SB	5	TPH as Gasoline	1700	Y
RAVENNA AVE	24502	R-24502SB	10	TPH as Gasoline	210	
RAVENNA AVE	24502	R-24502SBA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24502	R-24502SBA	2	TPH as Gasoline	0	
RAVENNA AVE	24502	R-24502SBA	3.5	TPH as Gasoline	0	
RAVENNA AVE	24502	R-24502SBA	5	TPH as Gasoline	830	Y
RAVENNA AVE	24502	R-24502SBA	10	TPH as Gasoline	3.9	
RAVENNA AVE	24502	R-24502SBB	0.5	TPH as Gasoline	0.13	
RAVENNA AVE	24502	R-24502SBB	2	TPH as Gasoline	0	
RAVENNA AVE	24502	R-24502SBB	3	TPH as Gasoline	0	
RAVENNA AVE	24502	R-24502SBB	5	TPH as Gasoline	1100	Y
RAVENNA AVE	24502	R-24502SBB	10	TPH as Gasoline	1.8	
RAVENNA AVE	24512	R-24512SFB	0.5	TPH as Gasoline	0.13	
RAVENNA AVE	24512	R-24512SFB	2	TPH as Gasoline	0	
RAVENNA AVE	24512	R-24512SFB	4.5	TPH as Gasoline	0.37	
RAVENNA AVE	24512	R-24512SFB	5	TPH as Gasoline	260	
RAVENNA AVE	24512	R-24512SFB	7	TPH as Gasoline	710	Y
RAVENNA AVE	24512	R-24512SFB	10	TPH as Gasoline	87	
RAVENNA AVE	24512	R-24512SFC	0.5	TPH as Gasoline	0.06	
RAVENNA AVE	24512	R-24512SFC	2	TPH as Gasoline	0	
RAVENNA AVE	24512	R-24512SFC	5	TPH as Gasoline	1200	Y
RAVENNA AVE	24512	R-24512SFC	10	TPH as Gasoline	180	
RAVENNA AVE	24512	R-24512SFD	0.5	TPH as Gasoline	0.21	
RAVENNA AVE	24512	R-24512SFD	2	TPH as Gasoline	0.14	
RAVENNA AVE	24512	R-24512SFD	3.5	TPH as Gasoline	0.84	
RAVENNA AVE	24512	R-24512SFD	5	TPH as Gasoline	1500	Y
RAVENNA AVE	24512	R-24512SFD	10	TPH as Gasoline	110	
RAVENNA AVE	24512	R-24512SFE	0.5	TPH as Gasoline	0.079	
RAVENNA AVE	24512	R-24512SFE	2	TPH as Gasoline	0.054	
RAVENNA AVE	24512	R-24512SFE	5	TPH as Gasoline	3100	Y

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES \geq 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
RAVENNA AVE	24512	R-24512SFE	10	TPH as Gasoline	390	
RAVENNA AVE	24522	R-24522SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24522	R-24522SFA	2	TPH as Gasoline	0.12	
RAVENNA AVE	24522	R-24522SFA	4	TPH as Gasoline	1.1	
RAVENNA AVE	24522	R-24522SFA	5	TPH as Gasoline	2200	Y
RAVENNA AVE	24522	R-24522SFA	7	TPH as Gasoline	390	
RAVENNA AVE	24522	R-24522SFA	10	TPH as Gasoline	600	
RAVENNA AVE	24608	R-24608SB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24608	R-24608SB	2	TPH as Gasoline	0	
RAVENNA AVE	24608	R-24608SB	4	TPH as Gasoline	0.25	
RAVENNA AVE	24608	R-24608SB	5	TPH as Gasoline	960	Y
RAVENNA AVE	24608	R-24608SB	10	TPH as Gasoline	1.3	
RAVENNA AVE	24608	R-24608SBB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24608	R-24608SBB	2	TPH as Gasoline	54	
RAVENNA AVE	24608	R-24608SBB	4.5	TPH as Gasoline	52	
RAVENNA AVE	24608	R-24608SBB	5	TPH as Gasoline	160	Y
RAVENNA AVE	24608	R-24608SBB	10	TPH as Gasoline	0.2	
RAVENNA AVE	24612	R-24612SBAA	3	TPH as Gasoline	0.49	
RAVENNA AVE	24612	R-24612SBAA	5	TPH as Gasoline	110	Y
RAVENNA AVE	24612	R-24612SBAA	10	TPH as Gasoline	3.3	
RAVENNA AVE	24613	R-24613SBA	0.5	TPH as Gasoline	0.065	
RAVENNA AVE	24613	R-24613SBA	2	TPH as Gasoline	0	
RAVENNA AVE	24613	R-24613SBA	4	TPH as Gasoline	780	
RAVENNA AVE	24613	R-24613SBA	5	TPH as Gasoline	1100	Y
RAVENNA AVE	24613	R-24613SBA	10	TPH as Gasoline	170	
RAVENNA AVE	24700	R-24700SBA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24700	R-24700SBA	2	TPH as Gasoline	0	
RAVENNA AVE	24700	R-24700SBA	2.5	TPH as Gasoline	0.072	
RAVENNA AVE	24700	R-24700SBA	5	TPH as Gasoline	270	Y
RAVENNA AVE	24700	R-24700SBA	10	TPH as Gasoline	2.8	
RAVENNA AVE	24712	R-24712SFC	0.5	TPH as Gasoline	0.067	
RAVENNA AVE	24712	R-24712SFC	2	TPH as Gasoline	0.053	
RAVENNA AVE	24712	R-24712SFC	4	TPH as Gasoline	220	Y
RAVENNA AVE	24712	R-24712SFC	5	TPH as Gasoline	29	
RAVENNA AVE	24712	R-24712SFC	10	TPH as Gasoline	0.31	
RAVENNA AVE	24713	R-24713SFB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24713	R-24713SFB	2	TPH as Gasoline	1300	Y
RAVENNA AVE	24713	R-24713SFB	5	TPH as Gasoline	1.2	
RAVENNA AVE	24713	R-24713SFB	10	TPH as Gasoline	1.9	
RAVENNA AVE	24736	R-24736SF	0.5	TPH as Gasoline	0	
RAVENNA AVE	24736	R-24736SF	2	TPH as Gasoline	0	
RAVENNA AVE	24736	R-24736SF	3.5	TPH as Gasoline	360	Y
RAVENNA AVE	24736	R-24736SF	5	TPH as Gasoline	3.1	
RAVENNA AVE	24736	R-24736SF	10	TPH as Gasoline	5.7	
RAVENNA AVE	24736	R-24736SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24736	R-24736SFA	2	TPH as Gasoline	0	
RAVENNA AVE	24736	R-24736SFA	4	TPH as Gasoline	0.097	
RAVENNA AVE	24736	R-24736SFA	5	TPH as Gasoline	260	Y
RAVENNA AVE	24736	R-24736SFA	10	TPH as Gasoline	1	
RAVENNA AVE	24739	R-24739SFD	0.5	TPH as Gasoline	0	
RAVENNA AVE	24739	R-24739SFD	2	TPH as Gasoline	340	
RAVENNA AVE	24739	R-24739SFD	5	TPH as Gasoline	100	Y
RAVENNA AVE	24739	R-24739SFD	10	TPH as Gasoline	3.5	
RAVENNA AVE	24748	R-24748SBA	0.5	TPH as Gasoline	0.059	
RAVENNA AVE	24748	R-24748SBA	2	TPH as Gasoline	0.094	
RAVENNA AVE	24748	R-24748SBA	5	TPH as Gasoline	1500	Y
RAVENNA AVE	24748	R-24748SBA	10	TPH as Gasoline	240	
RAVENNA AVE	24748	R-24748SFA	0.5	TPH as Gasoline	0.085	

TABLE A-1
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHg CONCENTRATIONS IN SOIL SAMPLES \geq 5X CONCENTRATIONS IN UNDERLYING SOILS

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
RAVENNA AVE	24748	R-24748SFA	2	TPH as Gasoline	0	
RAVENNA AVE	24748	R-24748SFA	3	TPH as Gasoline	120	Y
RAVENNA AVE	24748	R-24748SFA	5	TPH as Gasoline	4.8	
RAVENNA AVE	24748	R-24748SFA	10	TPH as Gasoline	360	
RAVENNA AVE	24748	R-24748SFD	0.5	TPH as Gasoline	0.063	
RAVENNA AVE	24748	R-24748SFD	2	TPH as Gasoline	0	
RAVENNA AVE	24748	R-24748SFD	3	TPH as Gasoline	700	Y
RAVENNA AVE	24748	R-24748SFD	5	TPH as Gasoline	1.2	
RAVENNA AVE	24748	R-24748SFD	10	TPH as Gasoline	200	
RAVENNA AVE	24749	R-24749SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24749	R-24749SFA	2	TPH as Gasoline	3.8	
RAVENNA AVE	24749	R-24749SFA	5	TPH as Gasoline	120	Y
RAVENNA AVE	24749	R-24749SFA	10	TPH as Gasoline	3	
RAVENNA AVE	24749	R-24749SFB	0.5	TPH as Gasoline	0	
RAVENNA AVE	24749	R-24749SFB	2	TPH as Gasoline	0	
RAVENNA AVE	24749	R-24749SFB	3.5	TPH as Gasoline	180	
RAVENNA AVE	24749	R-24749SFB	5	TPH as Gasoline	100	Y
RAVENNA AVE	24749	R-24749SFB	10	TPH as Gasoline	4.4	
RAVENNA AVE	24752	R-24752SF	0.5	TPH as Gasoline	0	
RAVENNA AVE	24752	R-24752SF	2	TPH as Gasoline	0	
RAVENNA AVE	24752	R-24752SF	3.5	TPH as Gasoline	0.77	
RAVENNA AVE	24752	R-24752SF	5	TPH as Gasoline	1.3	
RAVENNA AVE	24752	R-24752SF	6	TPH as Gasoline	950	Y
RAVENNA AVE	24752	R-24752SF	10	TPH as Gasoline	1.3	
RAVENNA AVE	24752	R-24752SBC	0.5	TPH as Gasoline	0	
RAVENNA AVE	24752	R-24752SBC	2	TPH as Gasoline	0	
RAVENNA AVE	24752	R-24752SBC	3.5	TPH as Gasoline	15	
RAVENNA AVE	24752	R-24752SBC	5	TPH as Gasoline	210	Y
RAVENNA AVE	24752	R-24752SBC	10	TPH as Gasoline	7.4	
RAVENNA AVE	24752	R-24752SFA	0.5	TPH as Gasoline	0	
RAVENNA AVE	24752	R-24752SFA	2	TPH as Gasoline	0	
RAVENNA AVE	24752	R-24752SFA	3	TPH as Gasoline	0.1	
RAVENNA AVE	24752	R-24752SFA	5	TPH as Gasoline	220	Y
RAVENNA AVE	24752	R-24752SFA	10	TPH as Gasoline	1.4	
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**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
244TH ST	311	244-311SF	0.5	TPH as Diesel	570	
244TH ST	311	244-311SF	2	TPH as Diesel	93	
244TH ST	311	244-311SF	5	TPH as Diesel	1100	Y
244TH ST	311	244-311SF	10	TPH as Diesel	53	
244TH ST	311	244-311SFC	0.5	TPH as Diesel	32	
244TH ST	311	244-311SFC	2	TPH as Diesel	150	
244TH ST	311	244-311SFC	2.5	TPH as Diesel	37000	Y
244TH ST	311	244-311SFC	5	TPH as Diesel	25	
244TH ST	311	244-311SFC	7.5	TPH as Diesel	55	
244TH ST	311	244-311SFD	0.5	TPH as Diesel	180	
244TH ST	311	244-311SFD	2	TPH as Diesel	92	
244TH ST	311	244-311SFD	2.5	TPH as Diesel	12000	Y
244TH ST	311	244-311SFD	5	TPH as Diesel	200	
244TH ST	311	244-311SFD	7.5	TPH as Diesel	150	
244TH ST	317	244-317SFA	0.5	TPH as Diesel	1300	
244TH ST	317	244-317SFA	2	TPH as Diesel	13000	Y
244TH ST	317	244-317SFA	5	TPH as Diesel	8.9	
244TH ST	317	244-317SFA	10	TPH as Diesel	360	
244TH ST	317	244-317SFD	0.5	TPH as Diesel	490	
244TH ST	317	244-317SFD	2	TPH as Diesel	960	
244TH ST	317	244-317SFD	5	TPH as Diesel	1500	Y
244TH ST	317	244-317SFD	10	TPH as Diesel	22	
244TH ST	317	244-317SFF	0.5	TPH as Diesel	73	
244TH ST	317	244-317SFF	2	TPH as Diesel	2400	Y
244TH ST	317	244-317SFF	5	TPH as Diesel	0	
244TH ST	317	244-317SFF	10	TPH as Diesel	16	
244TH ST	337	244-337SFC	0.5	TPH as Diesel	49	
244TH ST	337	244-337SFC	2	TPH as Diesel	3800	Y
244TH ST	337	244-337SFC	5	TPH as Diesel	0	
244TH ST	337	244-337SFC	10	TPH as Diesel	0	
244TH ST	351	244-351SFC	0.5	TPH as Diesel	7.8	
244TH ST	351	244-351SFC	2	TPH as Diesel	82	
244TH ST	351	244-351SFC	3.5	TPH as Diesel	6600	Y
244TH ST	351	244-351SFC	5	TPH as Diesel	140	
244TH ST	351	244-351SFC	10	TPH as Diesel	0	
244TH ST	367	244-367SFA	0.5	TPH as Diesel	170	
244TH ST	367	244-367SFA	2	TPH as Diesel	1900	Y
244TH ST	367	244-367SFA	5	TPH as Diesel	93	
244TH ST	367	244-367SFA	10	TPH as Diesel	18	
244TH ST	367	244-367SFB	0.5	TPH as Diesel	190	
244TH ST	367	244-367SFB	2	TPH as Diesel	330	
244TH ST	367	244-367SFB	4	TPH as Diesel	8800	Y
244TH ST	367	244-367SFB	5	TPH as Diesel	41	
244TH ST	367	244-367SFB	10	TPH as Diesel	49	
248TH ST	348	248-348SF	0.5	TPH as Diesel	1100	Y
248TH ST	348	248-348SF	2	TPH as Diesel	30	
248TH ST	348	248-348SF	5	TPH as Diesel	0	
248TH ST	348	248-348SF	10	TPH as Diesel	150	
248TH ST	348	248-348SFD	0.5	TPH as Diesel	1000	
248TH ST	348	248-348SFD	2	TPH as Diesel	1600	Y
248TH ST	348	248-348SFD	5	TPH as Diesel	0	
248TH ST	348	248-348SFD	10	TPH as Diesel	26	
248TH ST	354	248-354SFB	0.5	TPH as Diesel	150	
248TH ST	354	248-354SFB	2	TPH as Diesel	7600	Y
248TH ST	354	248-354SFB	5	TPH as Diesel	970	
248TH ST	354	248-354SFB	10	TPH as Diesel	9300	
248TH ST	354	248-354SFE	0.5	TPH as Diesel	330	
248TH ST	354	248-354SFE	2	TPH as Diesel	5300	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

248TH ST	354	248-354SFE	5	TPH as Diesel	12000	Y
248TH ST	354	248-354SFE	7	TPH as Diesel	2000	
248TH ST	354	248-354SFE	9	TPH as Diesel	11000	
248TH ST	360	248-360SBA	0.5	TPH as Diesel	60	
248TH ST	360	248-360SBA	2	TPH as Diesel	6	
248TH ST	360	248-360SBA	3.5	TPH as Diesel	4600	Y
248TH ST	360	248-360SBA	5	TPH as Diesel	740	
248TH ST	360	248-360SBA	10	TPH as Diesel	1400	
248TH ST	360	248-360SBE	0.5	TPH as Diesel	220	
248TH ST	360	248-360SBE	2	TPH as Diesel	8.3	
248TH ST	360	248-360SBE	4	TPH as Diesel	2400	Y
248TH ST	360	248-360SBE	5	TPH as Diesel	30	
248TH ST	360	248-360SBE	10	TPH as Diesel	1900	
248TH ST	360	248-360SBF	0.5	TPH as Diesel	27	
248TH ST	360	248-360SBF	2	TPH as Diesel	40	
248TH ST	360	248-360SBF	4	TPH as Diesel	1000	Y
248TH ST	360	248-360SBF	5	TPH as Diesel	9.4	
248TH ST	360	248-360SBF	10	TPH as Diesel	650	
248TH ST	364	248-364SBA	0.5	TPH as Diesel	2700	
248TH ST	364	248-364SBA	2	TPH as Diesel	2000	
248TH ST	364	248-364SBA	5	TPH as Diesel	3300	Y
248TH ST	364	248-364SBA	10	TPH as Diesel	360	
248TH ST	364	248-364SBB	0.5	TPH as Diesel	230	
248TH ST	364	248-364SBB	2	TPH as Diesel	230	
248TH ST	364	248-364SBB	5	TPH as Diesel	2500	Y
248TH ST	364	248-364SBB	10	TPH as Diesel	350	
248TH ST	364	248-364SBC	0.5	TPH as Diesel	140	
248TH ST	364	248-364SBC	2	TPH as Diesel	1800	Y
248TH ST	364	248-364SBC	5	TPH as Diesel	260	
248TH ST	364	248-364SBC	10	TPH as Diesel	380	
248TH ST	364	248-364SFB	0.5	TPH as Diesel	180	
248TH ST	364	248-364SFB	2	TPH as Diesel	1800	Y
248TH ST	364	248-364SFB	5	TPH as Diesel	260	
248TH ST	364	248-364SFB	10	TPH as Diesel	200	
248TH ST	364	248-364SFC	0.5	TPH as Diesel	220	
248TH ST	364	248-364SFC	2	TPH as Diesel	5800	Y
248TH ST	364	248-364SFC	4	TPH as Diesel	650	
248TH ST	364	248-364SFC	5	TPH as Diesel	0	
248TH ST	364	248-364SFC	10	TPH as Diesel	120	
248TH ST	364	248-364SFD	0.5	TPH as Diesel	1200	
248TH ST	364	248-364SFD	2	TPH as Diesel	5400	Y
248TH ST	364	248-364SFD	5	TPH as Diesel	200	
248TH ST	364	248-364SFD	10	TPH as Diesel	770	
248TH ST	364	248-364SFE	0.5	TPH as Diesel	240	
248TH ST	364	248-364SFE	2	TPH as Diesel	550	
248TH ST	364	248-364SFE	3.5	TPH as Diesel	13000	Y
248TH ST	364	248-364SFE	5	TPH as Diesel	1500	
248TH ST	364	248-364SFE	10	TPH as Diesel	320	
248TH ST	364	248-364SFDA	2.5	TPH as Diesel	8700	Y
248TH ST	364	248-364SFDA	6	TPH as Diesel	380	
248TH ST	364	248-364SFDA	9.5	TPH as Diesel	5300	
248TH ST	374	248-374SBC	0.5	TPH as Diesel	240	
248TH ST	374	248-374SBC	2	TPH as Diesel	250	
248TH ST	374	248-374SBC	3.5	TPH as Diesel	2200	Y
248TH ST	374	248-374SBC	5	TPH as Diesel	40	
248TH ST	374	248-374SBC	9	TPH as Diesel	1900	
248TH ST	374	248-374SBC	10	TPH as Diesel	2300	
248TH ST	374	248-374SBD	0.5	TPH as Diesel	74	
248TH ST	374	248-374SBD	2	TPH as Diesel	1300	
248TH ST	374	248-374SBD	3	TPH as Diesel	1000	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

248TH ST	374	248-374SBD	5	TPH as Diesel	1400	Y
248TH ST	374	248-374SBD	10	TPH as Diesel	240	
248TH ST	374	248-374SBE	0.5	TPH as Diesel	19	
248TH ST	374	248-374SBE	2	TPH as Diesel	300	
248TH ST	374	248-374SBE	3	TPH as Diesel	3000	Y
248TH ST	374	248-374SBE	5	TPH as Diesel	190	
248TH ST	374	248-374SBE	10	TPH as Diesel	1400	
248TH ST	374	248-374SBF	-0.5	TPH as Diesel	32	
248TH ST	374	248-374SBF	0.5	TPH as Diesel	220	
248TH ST	374	248-374SBF	2	TPH as Diesel	81	
248TH ST	374	248-374SBF	3	TPH as Diesel	3600	Y
248TH ST	374	248-374SBF	5	TPH as Diesel	670	
248TH ST	374	248-374SBF	10	TPH as Diesel	4500	
248TH ST	374	248-374SBG	0.5	TPH as Diesel	110	
248TH ST	374	248-374SBG	2	TPH as Diesel	47	
248TH ST	374	248-374SBG	3.5	TPH as Diesel	12000	Y
248TH ST	374	248-374SBG	5	TPH as Diesel	66	
248TH ST	374	248-374SBG	8.5	TPH as Diesel	1200	
248TH ST	374	248-374SBG	10	TPH as Diesel	2100	
248TH ST	374	248-374SBI	0.5	TPH as Diesel	41	
248TH ST	374	248-374SBI	2	TPH as Diesel	240	
248TH ST	374	248-374SBI	2.5	TPH as Diesel	33000	Y
248TH ST	374	248-374SBI	5	TPH as Diesel	630	
248TH ST	374	248-374SBI	5.5	TPH as Diesel	32000	Y
248TH ST	374	248-374SBI	10	TPH as Diesel	4500	
248TH ST	374	248-374SBJ	0.5	TPH as Diesel	570	
248TH ST	374	248-374SBJ	2	TPH as Diesel	54	
248TH ST	374	248-374SBJ	4	TPH as Diesel	100	
248TH ST	374	248-374SBJ	5	TPH as Diesel	7.7	
248TH ST	374	248-374SBJ	6	TPH as Diesel	29000	Y
248TH ST	374	248-374SBJ	10	TPH as Diesel	1600	
248TH ST	374	248-374SBK	0.5	TPH as Diesel	70	
248TH ST	374	248-374SBK	2	TPH as Diesel	750	
248TH ST	374	248-374SBK	3	TPH as Diesel	2000	Y
248TH ST	374	248-374SBK	5	TPH as Diesel	50	
248TH ST	374	248-374SBK	10	TPH as Diesel	1600	
248TH ST	374	248-374SBL	-0.5	TPH as Diesel	8.8	
248TH ST	374	248-374SBL	0.5	TPH as Diesel	590	
248TH ST	374	248-374SBL	2	TPH as Diesel	210	
248TH ST	374	248-374SBL	4.5	TPH as Diesel	36000	Y
248TH ST	374	248-374SBL	5	TPH as Diesel	320	
248TH ST	374	248-374SBL	8	TPH as Diesel	29000	Y
248TH ST	374	248-374SBL	10	TPH as Diesel	1500	
248TH ST	374	248-374SFB	0.5	TPH as Diesel	470	
248TH ST	374	248-374SFB	2	TPH as Diesel	1500	Y
248TH ST	374	248-374SFB	5	TPH as Diesel	0	
248TH ST	374	248-374SFB	6	TPH as Diesel	21000	Y
248TH ST	374	248-374SFB	8.5	TPH as Diesel	940	
248TH ST	374	248-374SFB	10	TPH as Diesel	250	
248TH ST	374	248-374SFC	0.5	TPH as Diesel	360	
248TH ST	374	248-374SFC	2	TPH as Diesel	5300	Y
248TH ST	374	248-374SFC	5	TPH as Diesel	110	
249TH ST	344	249-344SFD	0.5	TPH as Diesel	170	
249TH ST	344	249-344SFD	2	TPH as Diesel	350	
249TH ST	344	249-344SFD	4	TPH as Diesel	920	
249TH ST	344	249-344SFD	5	TPH as Diesel	3300	Y
249TH ST	344	249-344SFD	10	TPH as Diesel	58	
249TH ST	344	249-344SFAA	3	TPH as Diesel	1700	Y
249TH ST	344	249-344SFAA	5.5	TPH as Diesel	290	
249TH ST	344	249-344SFAA	7.5	TPH as Diesel	1000	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	345	249-345SF	0.5	TPH as Diesel	89	
249TH ST	345	249-345SF	5	TPH as Diesel	1100	Y
249TH ST	345	249-345SF	10	TPH as Diesel	78	
249TH ST	345	249-345SBB	0.5	TPH as Diesel	6.7	
249TH ST	345	249-345SBB	2	TPH as Diesel	350	
249TH ST	345	249-345SBB	4	TPH as Diesel	1100	Y
249TH ST	345	249-345SBB	5	TPH as Diesel	0	
249TH ST	345	249-345SBB	10	TPH as Diesel	0	
249TH ST	345	249-345SFB	0.5	TPH as Diesel	1000	Y
249TH ST	345	249-345SFB	2	TPH as Diesel	93	
249TH ST	345	249-345SFB	5	TPH as Diesel	16	
249TH ST	345	249-345SFB	10	TPH as Diesel	240	
249TH ST	345	249-345SFC	0.5	TPH as Diesel	1500	
249TH ST	345	249-345SFC	2	TPH as Diesel	340	
249TH ST	345	249-345SFC	5	TPH as Diesel	500	
249TH ST	345	249-345SFC	9	TPH as Diesel	36000	Y
249TH ST	345	249-345SFC	10	TPH as Diesel	240	
249TH ST	345	249-345SFE	0.5	TPH as Diesel	30	
249TH ST	345	249-345SFE	2	TPH as Diesel	3000	Y
249TH ST	345	249-345SFE	5	TPH as Diesel	360	
249TH ST	345	249-345SFE	8	TPH as Diesel	25000	Y
249TH ST	345	249-345SFE	10	TPH as Diesel	36	
249TH ST	345	249-345SFH	0.5	TPH as Diesel	800	
249TH ST	345	249-345SFH	2	TPH as Diesel	100	
249TH ST	345	249-345SFH	5	TPH as Diesel	64	
249TH ST	345	249-345SFH	6	TPH as Diesel	7700	Y
249TH ST	345	249-345SFH	10	TPH as Diesel	39	
249TH ST	345	249-345SFJ	0.5	TPH as Diesel	31	
249TH ST	345	249-345SFJ	2	TPH as Diesel	92	
249TH ST	345	249-345SFJ	5	TPH as Diesel	2700	Y
249TH ST	345	249-345SFJ	10	TPH as Diesel	0	
249TH ST	345	249-345SBF	0.5	TPH as Diesel	150	
249TH ST	345	249-345SBF	2	TPH as Diesel	270	
249TH ST	345	249-345SBF	5	TPH as Diesel	2500	Y
249TH ST	345	249-345SBF	10	TPH as Diesel	17	
249TH ST	348	249-348SFA	0.5	TPH as Diesel	150	
249TH ST	348	249-348SFA	2	TPH as Diesel	360	
249TH ST	348	249-348SFA	5	TPH as Diesel	1000	
249TH ST	348	249-348SFA	9	TPH as Diesel	2500	Y
249TH ST	348	249-348SFA	10	TPH as Diesel	110	
249TH ST	348	249-348SFB	0.5	TPH as Diesel	57	
249TH ST	348	249-348SFB	2	TPH as Diesel	83	
249TH ST	348	249-348SFB	5	TPH as Diesel	1900	
249TH ST	348	249-348SFB	7	TPH as Diesel	1900	Y
249TH ST	348	249-348SFB	10	TPH as Diesel	130	
249TH ST	348	249-348SFC	0.5	TPH as Diesel	240	
249TH ST	348	249-348SFC	2	TPH as Diesel	68	
249TH ST	348	249-348SFC	4	TPH as Diesel	3800	Y
249TH ST	348	249-348SFC	5	TPH as Diesel	310	
249TH ST	348	249-348SFC	10	TPH as Diesel	150	
249TH ST	348	249-348SFFA	5	TPH as Diesel	1100	
249TH ST	348	249-348SFFA	6.5	TPH as Diesel	2100	Y
249TH ST	348	249-348SFFA	10	TPH as Diesel	120	
249TH ST	348	249-348SFH	0.5	TPH as Diesel	100	
249TH ST	348	249-348SFH	2	TPH as Diesel	140	
249TH ST	348	249-348SFH	5	TPH as Diesel	0	
249TH ST	348	249-348SFH	8.5	TPH as Diesel	1900	Y
249TH ST	348	249-348SFH	10	TPH as Diesel	64	
249TH ST	352	249-352SFB	0.5	TPH as Diesel	190	
249TH ST	352	249-352SFB	2	TPH as Diesel	570	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	352	249-352SFB	5	TPH as Diesel	530	
249TH ST	352	249-352SFB	8	TPH as Diesel	5600	Y
249TH ST	352	249-352SFB	10	TPH as Diesel	120	
249TH ST	353	249-353SFD	0.5	TPH as Diesel	48	
249TH ST	353	249-353SFD	2	TPH as Diesel	30	
249TH ST	353	249-353SFD	5	TPH as Diesel	3000	Y
249TH ST	353	249-353SFD	10	TPH as Diesel	17	
249TH ST	358	249-358SFD	0.5	TPH as Diesel	180	
249TH ST	358	249-358SFD	2	TPH as Diesel	2400	
249TH ST	358	249-358SFD	3	TPH as Diesel	8700	Y
249TH ST	358	249-358SFD	5	TPH as Diesel	1500	Y
249TH ST	358	249-358SFD	10	TPH as Diesel	96	
249TH ST	358	249-358SFEA	2	TPH as Diesel	700	
249TH ST	358	249-358SFEA	3	TPH as Diesel	10000	Y
249TH ST	358	249-358SFEA	5	TPH as Diesel	640	
249TH ST	358	249-358SFEA	10	TPH as Diesel	160	
249TH ST	362	249-362SBB	0.5	TPH as Diesel	1500	Y
249TH ST	362	249-362SBB	2	TPH as Diesel	87	
249TH ST	362	249-362SBB	5	TPH as Diesel	0	
249TH ST	362	249-362SBB	10	TPH as Diesel	0	
249TH ST	362	249-362SFA	0.5	TPH as Diesel	11	
249TH ST	362	249-362SFA	2	TPH as Diesel	1900	Y
249TH ST	362	249-362SFA	4	TPH as Diesel	0	
249TH ST	362	249-362SFA	5	TPH as Diesel	0	
249TH ST	362	249-362SFA	10	TPH as Diesel	0	
249TH ST	362	249-362SFB	0.5	TPH as Diesel	23	
249TH ST	362	249-362SFB	2	TPH as Diesel	1300	Y
249TH ST	362	249-362SFB	5	TPH as Diesel	27	
249TH ST	362	249-362SFB	10	TPH as Diesel	0	
249TH ST	367	249-367SF	0.5	TPH as Diesel	210	
249TH ST	367	249-367SF	2	TPH as Diesel	55	
249TH ST	367	249-367SF	5	TPH as Diesel	1200	
249TH ST	367	249-367SF	6	TPH as Diesel	6500	Y
249TH ST	367	249-367SF	10	TPH as Diesel	980	
249TH ST	367	249-367SFD	0.5	TPH as Diesel	15	
249TH ST	367	249-367SFD	2	TPH as Diesel	350	
249TH ST	367	249-367SFD	5	TPH as Diesel	800	
249TH ST	367	249-367SFD	5.5	TPH as Diesel	1500	
249TH ST	367	249-367SFD	7	TPH as Diesel	4000	Y
249TH ST	367	249-367SFD	10	TPH as Diesel	390	
249TH ST	368	249-368SBB	0.5	TPH as Diesel	430	
249TH ST	368	249-368SBB	2	TPH as Diesel	120	
249TH ST	368	249-368SBB	5	TPH as Diesel	2100	Y
249TH ST	368	249-368SBB	10	TPH as Diesel	41	
249TH ST	368	249-368SBE	0.5	TPH as Diesel	240	
249TH ST	368	249-368SBE	2	TPH as Diesel	340	
249TH ST	368	249-368SBE	5	TPH as Diesel	1600	Y
249TH ST	368	249-368SBE	10	TPH as Diesel	49	
249TH ST	368	249-368SBF	0.5	TPH as Diesel	39	
249TH ST	368	249-368SBF	2	TPH as Diesel	82	
249TH ST	368	249-368SBF	5	TPH as Diesel	1400	Y
249TH ST	368	249-368SBF	10	TPH as Diesel	13	
249TH ST	368	249-368SFC	0.5	TPH as Diesel	620	
249TH ST	368	249-368SFC	2	TPH as Diesel	920	
249TH ST	368	249-368SFC	3.5	TPH as Diesel	1600	Y
249TH ST	368	249-368SFC	5	TPH as Diesel	290	
249TH ST	368	249-368SFC	10	TPH as Diesel	120	
249TH ST	368	249-368SFD	0.5	TPH as Diesel	120	
249TH ST	368	249-368SFD	2	TPH as Diesel	540	
249TH ST	368	249-368SFD	3.5	TPH as Diesel	3400	Y

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	368	249-368SFD	5	TPH as Diesel	33	
249TH ST	368	249-368SFD	10	TPH as Diesel	15	
249TH ST	368	249-368SFE	0.5	TPH as Diesel	31	
249TH ST	368	249-368SFE	2	TPH as Diesel	1300	Y
249TH ST	368	249-368SFE	3.5	TPH as Diesel	38	
249TH ST	368	249-368SFE	5	TPH as Diesel	27	
249TH ST	368	249-368SFE	10	TPH as Diesel	18	
249TH ST	368	249-368SFF	0.5	TPH as Diesel	31	
249TH ST	368	249-368SFF	2	TPH as Diesel	30	
249TH ST	368	249-368SFF	3.5	TPH as Diesel	14000	Y
249TH ST	368	249-368SFF	4	TPH as Diesel	2200	
249TH ST	368	249-368SFF	5	TPH as Diesel	12000	Y
249TH ST	368	249-368SFF	10	TPH as Diesel	1300	
249TH ST	373	249-373SBA	-0.5	TPH as Diesel	56	
249TH ST	373	249-373SBA	0.5	TPH as Diesel	76	
249TH ST	373	249-373SBA	2	TPH as Diesel	180	
249TH ST	373	249-373SBA	4	TPH as Diesel	930	
249TH ST	373	249-373SBA	5	TPH as Diesel	1500	Y
249TH ST	373	249-373SBA	8.5	TPH as Diesel	200	
249TH ST	374	249-374SBA	0.5	TPH as Diesel	110	
249TH ST	374	249-374SBA	2	TPH as Diesel	810	
249TH ST	374	249-374SBA	5	TPH as Diesel	1300	Y
249TH ST	374	249-374SBA	10	TPH as Diesel	52	
249TH ST	377	249-377SBC	0.5	TPH as Diesel	39	
249TH ST	377	249-377SBC	2	TPH as Diesel	10000	Y
249TH ST	377	249-377SBC	5	TPH as Diesel	410	
249TH ST	377	249-377SBC	10	TPH as Diesel	6600	
249TH ST	377	249-377SFB	0.5	TPH as Diesel	220	
249TH ST	377	249-377SFB	2	TPH as Diesel	73	
249TH ST	377	249-377SFB	4	TPH as Diesel	5200	Y
249TH ST	377	249-377SFB	5	TPH as Diesel	70	
249TH ST	377	249-377SFB	10	TPH as Diesel	5000	
249TH ST	377	249-377SFC	0.5	TPH as Diesel	160	
249TH ST	377	249-377SFC	2	TPH as Diesel	27	
249TH ST	377	249-377SFC	3.5	TPH as Diesel	7000	Y
249TH ST	377	249-377SFC	5	TPH as Diesel	160	
249TH ST	377	249-377SFC	10	TPH as Diesel	7600	
249TH ST	378	249-378SBA	0.5	TPH as Diesel	210	
249TH ST	378	249-378SBA	2	TPH as Diesel	21	
249TH ST	378	249-378SBA	3	TPH as Diesel	11000	Y
249TH ST	378	249-378SBA	5	TPH as Diesel	0	
249TH ST	378	249-378SBA	10	TPH as Diesel	9.1	
249TH ST	378	249-378SFA	0.5	TPH as Diesel	14	
249TH ST	378	249-378SFA	2	TPH as Diesel	46	
249TH ST	378	249-378SFA	3	TPH as Diesel	9700	Y
249TH ST	378	249-378SFA	5	TPH as Diesel	49	
249TH ST	378	249-378SFA	10	TPH as Diesel	2900	
249TH ST	378	249-378SFC	0.5	TPH as Diesel	68	
249TH ST	378	249-378SFC	2	TPH as Diesel	120	
249TH ST	378	249-378SFC	3	TPH as Diesel	2400	Y
249TH ST	378	249-378SFC	5	TPH as Diesel	26	
249TH ST	378	249-378SFC	10	TPH as Diesel	11	
249TH ST	383	249-383SBD	0.5	TPH as Diesel	47	
249TH ST	383	249-383SBD	2	TPH as Diesel	1800	Y
249TH ST	383	249-383SBD	5	TPH as Diesel	150	
249TH ST	383	249-383SBD	10	TPH as Diesel	2600	
249TH ST	402	249-402SBA	0.5	TPH as Diesel	71	
249TH ST	402	249-402SBA	2	TPH as Diesel	120	
249TH ST	402	249-402SBA	5	TPH as Diesel	11000	Y
249TH ST	402	249-402SBA	10	TPH as Diesel	0	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

249TH ST	412	249-412SFE	0.5	TPH as Diesel	220	
249TH ST	412	249-412SFE	2	TPH as Diesel	4200	Y
249TH ST	412	249-412SFE	5	TPH as Diesel	66	
249TH ST	412	249-412SFE	9.5	TPH as Diesel	54000	Y
249TH ST	412	249-412SFE	10	TPH as Diesel	180	
MARBELLA AVE	24406	M-24406SBA	0.5	TPH as Diesel	10000	Y
MARBELLA AVE	24406	M-24406SBA	2	TPH as Diesel	310	
MARBELLA AVE	24406	M-24406SBA	5	TPH as Diesel	8.2	
MARBELLA AVE	24406	M-24406SBA	10	TPH as Diesel	150	
MARBELLA AVE	24411	M-24411SFA	0.5	TPH as Diesel	96	
MARBELLA AVE	24411	M-24411SFA	2	TPH as Diesel	1400	Y
MARBELLA AVE	24411	M-24411SFA	5	TPH as Diesel	15	
MARBELLA AVE	24411	M-24411SFA	10	TPH as Diesel	11	
MARBELLA AVE	24411	M-24411SFD	0.5	TPH as Diesel	5100	
MARBELLA AVE	24411	M-24411SFD	2	TPH as Diesel	6400	Y
MARBELLA AVE	24411	M-24411SFD	5	TPH as Diesel	0	
MARBELLA AVE	24411	M-24411SFD	10	TPH as Diesel	0	
MARBELLA AVE	24411	M-24411SFE	0.5	TPH as Diesel	47000	Y
MARBELLA AVE	24411	M-24411SFE	2	TPH as Diesel	7300	
MARBELLA AVE	24411	M-24411SFE	3	TPH as Diesel	10000	Y
MARBELLA AVE	24411	M-24411SFE	5	TPH as Diesel	440	
MARBELLA AVE	24411	M-24411SFE	10	TPH as Diesel	0	
MARBELLA AVE	24412	M-24412SB	0.5	TPH as Diesel	170	
MARBELLA AVE	24412	M-24412SB	2	TPH as Diesel	1900	Y
MARBELLA AVE	24412	M-24412SB	5	TPH as Diesel	91	
MARBELLA AVE	24412	M-24412SFC	0.5	TPH as Diesel	83	
MARBELLA AVE	24412	M-24412SFC	2	TPH as Diesel	140	
MARBELLA AVE	24412	M-24412SFC	3	TPH as Diesel	2000	
MARBELLA AVE	24412	M-24412SFC	5	TPH as Diesel	20000	Y
MARBELLA AVE	24412	M-24412SFC	10	TPH as Diesel	0	
MARBELLA AVE	24416	M-24416SBE	0.5	TPH as Diesel	16	
MARBELLA AVE	24416	M-24416SBE	2	TPH as Diesel	120	
MARBELLA AVE	24416	M-24416SBE	4	TPH as Diesel	7200	Y
MARBELLA AVE	24416	M-24416SBE	5	TPH as Diesel	710	
MARBELLA AVE	24416	M-24416SBE	7.5	TPH as Diesel	590	
MARBELLA AVE	24416	M-24416SBF	0.5	TPH as Diesel	160	
MARBELLA AVE	24416	M-24416SBF	2	TPH as Diesel	26	
MARBELLA AVE	24416	M-24416SBF	2.5	TPH as Diesel	6200	Y
MARBELLA AVE	24416	M-24416SBF	5	TPH as Diesel	1200	
MARBELLA AVE	24416	M-24416SBF	7.5	TPH as Diesel	8100	
MARBELLA AVE	24422	M-24422SBB	0.5	TPH as Diesel	23	
MARBELLA AVE	24422	M-24422SBB	2	TPH as Diesel	54	
MARBELLA AVE	24422	M-24422SBB	2.5	TPH as Diesel	1700	Y
MARBELLA AVE	24422	M-24422SBB	5	TPH as Diesel	320	
MARBELLA AVE	24422	M-24422SBB	8.5	TPH as Diesel	44	
MARBELLA AVE	24422	M-24422SBC	0.5	TPH as Diesel	27	
MARBELLA AVE	24422	M-24422SBC	2	TPH as Diesel	430	
MARBELLA AVE	24422	M-24422SBC	3	TPH as Diesel	7000	Y
MARBELLA AVE	24422	M-24422SBC	5	TPH as Diesel	920	
MARBELLA AVE	24422	M-24422SBC	7.5	TPH as Diesel	2300	
MARBELLA AVE	24422	M-24422SBD	0.5	TPH as Diesel	190	
MARBELLA AVE	24422	M-24422SBD	2	TPH as Diesel	830	
MARBELLA AVE	24422	M-24422SBD	5	TPH as Diesel	1000	Y
MARBELLA AVE	24422	M-24422SBD	7.5	TPH as Diesel	19	
MARBELLA AVE	24422	M-24422SFC	0.5	TPH as Diesel	210	
MARBELLA AVE	24422	M-24422SFC	2	TPH as Diesel	340	
MARBELLA AVE	24422	M-24422SFC	5	TPH as Diesel	3000	Y
MARBELLA AVE	24422	M-24422SFC	7	TPH as Diesel	120	
MARBELLA AVE	24432	M-24432SBB	0.5	TPH as Diesel	830	
MARBELLA AVE	24432	M-24432SBB	2	TPH as Diesel	750	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24432	M-24432SBB	3.5	TPH as Diesel	4900	Y
MARBELLA AVE	24432	M-24432SBB	5	TPH as Diesel	530	
MARBELLA AVE	24432	M-24432SBB	8.5	TPH as Diesel	5500	
MARBELLA AVE	24432	M-24432SBF	0.5	TPH as Diesel	26	
MARBELLA AVE	24432	M-24432SBF	2	TPH as Diesel	620	
MARBELLA AVE	24432	M-24432SBF	2.5	TPH as Diesel	1200	Y
MARBELLA AVE	24432	M-24432SBF	5	TPH as Diesel	64	
MARBELLA AVE	24432	M-24432SBF	8	TPH as Diesel	7100	
MARBELLA AVE	24432	M-24432SBH	0.5	TPH as Diesel	130	
MARBELLA AVE	24432	M-24432SBH	2	TPH as Diesel	2900	Y
MARBELLA AVE	24432	M-24432SBH	5	TPH as Diesel	54	
MARBELLA AVE	24432	M-24432SBH	7.5	TPH as Diesel	12000	
MARBELLA AVE	24433	M-24433SB	0.5	TPH as Diesel	8.6	
MARBELLA AVE	24433	M-24433SB	2	TPH as Diesel	17000	Y
MARBELLA AVE	24433	M-24433SB	5	TPH as Diesel	0	
MARBELLA AVE	24433	M-24433SB	10	TPH as Diesel	25	
MARBELLA AVE	24502	M-24502SFA	0.5	TPH as Diesel	720	
MARBELLA AVE	24502	M-24502SFA	2	TPH as Diesel	2100	Y
MARBELLA AVE	24502	M-24502SFA	3.5	TPH as Diesel	340	
MARBELLA AVE	24502	M-24502SFA	5	TPH as Diesel	4500	
MARBELLA AVE	24502	M-24502SFA	7	TPH as Diesel	7900	
MARBELLA AVE	24512	M-24512SFBA	2	TPH as Diesel	120	
MARBELLA AVE	24512	M-24512SFBA	5	TPH as Diesel	5300	Y
MARBELLA AVE	24512	M-24512SFBA	7	TPH as Diesel	150	
MARBELLA AVE	24517	M-24517SF	0.5	TPH as Diesel	23	
MARBELLA AVE	24517	M-24517SF	2	TPH as Diesel	0	
MARBELLA AVE	24517	M-24517SF	5	TPH as Diesel	1000	Y
MARBELLA AVE	24517	M-24517SF	10	TPH as Diesel	0	
MARBELLA AVE	24522	M-24522SFC	0.5	TPH as Diesel	56	
MARBELLA AVE	24522	M-24522SFC	2	TPH as Diesel	48	
MARBELLA AVE	24522	M-24522SFC	5	TPH as Diesel	530	
MARBELLA AVE	24522	M-24522SFC	8	TPH as Diesel	8600	Y
MARBELLA AVE	24522	M-24522SFC	10	TPH as Diesel	810	
MARBELLA AVE	24523	M-24523SBC	0.5	TPH as Diesel	130	
MARBELLA AVE	24523	M-24523SBC	2	TPH as Diesel	64	
MARBELLA AVE	24523	M-24523SBC	5	TPH as Diesel	2600	Y
MARBELLA AVE	24523	M-24523SBC	10	TPH as Diesel	8.9	
MARBELLA AVE	24532	M-24532SF	0.5	TPH as Diesel	70	
MARBELLA AVE	24532	M-24532SF	2	TPH as Diesel	27	
MARBELLA AVE	24532	M-24532SF	5	TPH as Diesel	1200	
MARBELLA AVE	24532	M-24532SF	10	TPH as Diesel	2300	Y
MARBELLA AVE	24532	M-24532SF	15	TPH as Diesel	28	
MARBELLA AVE	24603	M-24603SF	0.5	TPH as Diesel	21	
MARBELLA AVE	24603	M-24603SF	5	TPH as Diesel	12000	Y
MARBELLA AVE	24603	M-24603SF	10	TPH as Diesel	0	
MARBELLA AVE	24603	M-24603SF3	0.5	TPH as Diesel	30	
MARBELLA AVE	24603	M-24603SF3	2	TPH as Diesel	0	
MARBELLA AVE	24603	M-24603SF3	5	TPH as Diesel	2400	Y
MARBELLA AVE	24603	M-24603SF3	10	TPH as Diesel	44	
MARBELLA AVE	24606	M-24606SBC	0.5	TPH as Diesel	100	
MARBELLA AVE	24606	M-24606SBC	2	TPH as Diesel	19	
MARBELLA AVE	24606	M-24606SBC	5	TPH as Diesel	13000	Y
MARBELLA AVE	24606	M-24606SBC	7	TPH as Diesel	750	
MARBELLA AVE	24606	M-24606SBC	10	TPH as Diesel	47	
MARBELLA AVE	24606	M-24606SBE	0.5	TPH as Diesel	5.9	
MARBELLA AVE	24606	M-24606SBE	2	TPH as Diesel	14	
MARBELLA AVE	24606	M-24606SBE	4	TPH as Diesel	17000	
MARBELLA AVE	24606	M-24606SBE	5	TPH as Diesel	17000	Y
MARBELLA AVE	24606	M-24606SBE	10	TPH as Diesel	2200	
MARBELLA AVE	24606	M-24606SFC	0.5	TPH as Diesel	44	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24606	M-24606SFC	2	TPH as Diesel	0	
MARBELLA AVE	24606	M-24606SFC	4	TPH as Diesel	7300	
MARBELLA AVE	24606	M-24606SFC	5	TPH as Diesel	12000	Y
MARBELLA AVE	24606	M-24606SFC	10	TPH as Diesel	2200	
MARBELLA AVE	24606	M-24606SFF	0.5	TPH as Diesel	110	
MARBELLA AVE	24606	M-24606SFF	2	TPH as Diesel	76	
MARBELLA AVE	24606	M-24606SFF	4.5	TPH as Diesel	7500	Y
MARBELLA AVE	24606	M-24606SFF	5	TPH as Diesel	480	
MARBELLA AVE	24606	M-24606SFF	10	TPH as Diesel	16	
MARBELLA AVE	24622	M-24622SBF	0.5	TPH as Diesel	23	
MARBELLA AVE	24622	M-24622SBF	2	TPH as Diesel	16	
MARBELLA AVE	24622	M-24622SBF	5	TPH as Diesel	6000	Y
MARBELLA AVE	24622	M-24622SBF	10	TPH as Diesel	560	
MARBELLA AVE	24622	M-24622SFEA	7	TPH as Diesel	6000	Y
MARBELLA AVE	24622	M-24622SFEA	10	TPH as Diesel	63	
MARBELLA AVE	24628	M-24628SBC	0.5	TPH as Diesel	23	
MARBELLA AVE	24628	M-24628SBC	2	TPH as Diesel	15	
MARBELLA AVE	24628	M-24628SBC	5	TPH as Diesel	13000	Y
MARBELLA AVE	24628	M-24628SBC	10	TPH as Diesel	49	
MARBELLA AVE	24633	M-24633SBC	0.5	TPH as Diesel	13000	Y
MARBELLA AVE	24633	M-24633SBC	2	TPH as Diesel	520	
MARBELLA AVE	24633	M-24633SBC	5	TPH as Diesel	0	
MARBELLA AVE	24633	M-24633SBC	10	TPH as Diesel	0	
MARBELLA AVE	24700	M-24700SBB	-2.9	TPH as Diesel	410	
MARBELLA AVE	24700	M-24700SBB	-1.5	TPH as Diesel	43	
MARBELLA AVE	24700	M-24700SBB	0	TPH as Diesel	12000	
MARBELLA AVE	24700	M-24700SBB	0.5	TPH as Diesel	9800	Y
MARBELLA AVE	24700	M-24700SBB	2	TPH as Diesel	960	
MARBELLA AVE	24700	M-24700SBB	4.5	TPH as Diesel	11000	
MARBELLA AVE	24700	M-24700SFA	0.5	TPH as Diesel	61	
MARBELLA AVE	24700	M-24700SFA	2	TPH as Diesel	210	
MARBELLA AVE	24700	M-24700SFA	4	TPH as Diesel	1300	
MARBELLA AVE	24700	M-24700SFA	5	TPH as Diesel	8100	Y
MARBELLA AVE	24700	M-24700SFA	10	TPH as Diesel	37	
MARBELLA AVE	24700	M-24700SFG	0.5	TPH as Diesel	190	
MARBELLA AVE	24700	M-24700SFG	2	TPH as Diesel	19	
MARBELLA AVE	24700	M-24700SFG	4.5	TPH as Diesel	1300	Y
MARBELLA AVE	24700	M-24700SFG	5	TPH as Diesel	14	
MARBELLA AVE	24700	M-24700SFG	10	TPH as Diesel	4300	
MARBELLA AVE	24703	M-24703SB	-1	TPH as Diesel	5000	Y
MARBELLA AVE	24703	M-24703SB	0.5	TPH as Diesel	340	
MARBELLA AVE	24703	M-24703SB	2	TPH as Diesel	30	
MARBELLA AVE	24703	M-24703SB	5	TPH as Diesel	0	
MARBELLA AVE	24703	M-24703SB	10	TPH as Diesel	9.3	
MARBELLA AVE	24707	M-24707SFD	0.5	TPH as Diesel	0	
MARBELLA AVE	24707	M-24707SFD	2	TPH as Diesel	0	
MARBELLA AVE	24707	M-24707SFD	3.5	TPH as Diesel	1400	Y
MARBELLA AVE	24707	M-24707SFD	5	TPH as Diesel	0	
MARBELLA AVE	24707	M-24707SFD	10	TPH as Diesel	0	
MARBELLA AVE	24710	M-24710SFA	0.5	TPH as Diesel	13	
MARBELLA AVE	24710	M-24710SFA	2	TPH as Diesel	140	
MARBELLA AVE	24710	M-24710SFA	5	TPH as Diesel	4300	Y
MARBELLA AVE	24710	M-24710SFA	10	TPH as Diesel	28	
MARBELLA AVE	24710	M-24710SFBB	5	TPH as Diesel	0	
MARBELLA AVE	24710	M-24710SFBB	5.5	TPH as Diesel	6100	Y
MARBELLA AVE	24710	M-24710SFBB	10	TPH as Diesel	76	
MARBELLA AVE	24710	M-24710SFC	0.5	TPH as Diesel	23	
MARBELLA AVE	24710	M-24710SFC	2	TPH as Diesel	1400	
MARBELLA AVE	24710	M-24710SFC	5	TPH as Diesel	2500	Y
MARBELLA AVE	24710	M-24710SFC	10	TPH as Diesel	0	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

MARBELLA AVE	24716	M-24716SFB	0.5	TPH as Diesel	400	
MARBELLA AVE	24716	M-24716SFB	2	TPH as Diesel	430	
MARBELLA AVE	24716	M-24716SFB	3.5	TPH as Diesel	560	
MARBELLA AVE	24716	M-24716SFB	5	TPH as Diesel	1600	Y
MARBELLA AVE	24716	M-24716SFB	10	TPH as Diesel	24	
MARBELLA AVE	24716	M-24716SFC	0.5	TPH as Diesel	690	
MARBELLA AVE	24716	M-24716SFC	2	TPH as Diesel	960	
MARBELLA AVE	24716	M-24716SFC	3	TPH as Diesel	14000	Y
MARBELLA AVE	24716	M-24716SFC	5.5	TPH as Diesel	150	
MARBELLA AVE	24716	M-24716SFC	10	TPH as Diesel	39	
MARBELLA AVE	24717	M-24717SFC	0.5	TPH as Diesel	5.9	
MARBELLA AVE	24717	M-24717SFC	2	TPH as Diesel	1200	
MARBELLA AVE	24717	M-24717SFC	2.5	TPH as Diesel	8100	Y
MARBELLA AVE	24717	M-24717SFC	5	TPH as Diesel	130	
MARBELLA AVE	24717	M-24717SFC	10	TPH as Diesel	23	
MARBELLA AVE	24717	M-24717SFD	0.5	TPH as Diesel	0	
MARBELLA AVE	24717	M-24717SFD	2	TPH as Diesel	930	
MARBELLA AVE	24717	M-24717SFD	2.5	TPH as Diesel	13000	Y
MARBELLA AVE	24717	M-24717SFD	5	TPH as Diesel	26	
MARBELLA AVE	24717	M-24717SFD	10	TPH as Diesel	52	
MARBELLA AVE	24717	M-24717SFE	0.5	TPH as Diesel	31	
MARBELLA AVE	24717	M-24717SFE	2	TPH as Diesel	12000	Y
MARBELLA AVE	24717	M-24717SFE	5	TPH as Diesel	120	
MARBELLA AVE	24717	M-24717SFE	10	TPH as Diesel	0	
MARBELLA AVE	24722	M-24722SFC	0.5	TPH as Diesel	46	
MARBELLA AVE	24722	M-24722SFC	2	TPH as Diesel	1000	
MARBELLA AVE	24722	M-24722SFC	5	TPH as Diesel	1400	Y
MARBELLA AVE	24722	M-24722SFC	10	TPH as Diesel	16	
MARBELLA AVE	24722	M-24722SFDA	2	TPH as Diesel	2100	
MARBELLA AVE	24722	M-24722SFDA	5	TPH as Diesel	1500	Y
MARBELLA AVE	24722	M-24722SFDA	10	TPH as Diesel	45	
MARBELLA AVE	24723	M-24723SBB	0.5	TPH as Diesel	54	
MARBELLA AVE	24723	M-24723SBB	2	TPH as Diesel	5300	Y
MARBELLA AVE	24723	M-24723SBB	5	TPH as Diesel	120	
MARBELLA AVE	24723	M-24723SBB	10	TPH as Diesel	0	
MARBELLA AVE	24723	M-24723SFB	0.5	TPH as Diesel	860	
MARBELLA AVE	24723	M-24723SFB	2	TPH as Diesel	1000	Y
MARBELLA AVE	24723	M-24723SFB	5	TPH as Diesel	0	
MARBELLA AVE	24723	M-24723SFB	10	TPH as Diesel	0	
MARBELLA AVE	24726	M-24726SFA	0.5	TPH as Diesel	200	
MARBELLA AVE	24726	M-24726SFA	2	TPH as Diesel	190	
MARBELLA AVE	24726	M-24726SFA	3.5	TPH as Diesel	1100	
MARBELLA AVE	24726	M-24726SFA	5	TPH as Diesel	2000	Y
MARBELLA AVE	24726	M-24726SFA	10	TPH as Diesel	15	
MARBELLA AVE	24726	M-24726SFC	0.5	TPH as Diesel	0	
MARBELLA AVE	24726	M-24726SFC	2	TPH as Diesel	1000	Y
MARBELLA AVE	24726	M-24726SFC	3	TPH as Diesel	85	
MARBELLA AVE	24726	M-24726SFC	5	TPH as Diesel	170	
MARBELLA AVE	24726	M-24726SFC	10	TPH as Diesel	0	
MARBELLA AVE	24727	M-24727SBA	0.5	TPH as Diesel	46	
MARBELLA AVE	24727	M-24727SBA	2	TPH as Diesel	2200	
MARBELLA AVE	24727	M-24727SBA	3	TPH as Diesel	2800	Y
MARBELLA AVE	24727	M-24727SBA	5	TPH as Diesel	91	
MARBELLA AVE	24727	M-24727SBA	10	TPH as Diesel	26	
MARBELLA AVE	24732	M-24732SFA	0.5	TPH as Diesel	58	
MARBELLA AVE	24732	M-24732SFA	2	TPH as Diesel	290	
MARBELLA AVE	24732	M-24732SFA	3	TPH as Diesel	10000	Y
MARBELLA AVE	24732	M-24732SFA	5	TPH as Diesel	110	
MARBELLA AVE	24732	M-24732SFA	10	TPH as Diesel	0	
MARBELLA AVE	24732	M-24732SFC	0.5	TPH as Diesel	98	

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RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

MARBELLA AVE	24732	M-24732SFC	2	TPH as Diesel	200	
MARBELLA AVE	24732	M-24732SFC	3.5	TPH as Diesel	6300	Y
MARBELLA AVE	24732	M-24732SFC	5	TPH as Diesel	0	
MARBELLA AVE	24732	M-24732SFC	10	TPH as Diesel	0	
MARBELLA AVE	24733	M-24733SFA	0.5	TPH as Diesel	59	
MARBELLA AVE	24733	M-24733SFA	2	TPH as Diesel	2300	Y
MARBELLA AVE	24733	M-24733SFA	5	TPH as Diesel	47	
MARBELLA AVE	24733	M-24733SFA	10	TPH as Diesel	11	
MARBELLA AVE	24733	M-24733SFC	0.5	TPH as Diesel	85	
MARBELLA AVE	24733	M-24733SFC	2	TPH as Diesel	1600	Y
MARBELLA AVE	24733	M-24733SFC	5	TPH as Diesel	0	
MARBELLA AVE	24733	M-24733SFC	10	TPH as Diesel	0	
MARBELLA AVE	24737	M-24737SB	-0.5	TPH as Diesel	3000	Y
MARBELLA AVE	24737	M-24737SB	0.5	TPH as Diesel	41	
MARBELLA AVE	24737	M-24737SB	2	TPH as Diesel	71	
MARBELLA AVE	24737	M-24737SB	5	TPH as Diesel	13	
MARBELLA AVE	24737	M-24737SB	10	TPH as Diesel	25	
MARBELLA AVE	24737	M-24737SFA	0.5	TPH as Diesel	36	
MARBELLA AVE	24737	M-24737SFA	2	TPH as Diesel	1500	
MARBELLA AVE	24737	M-24737SFA	3	TPH as Diesel	2900	Y
MARBELLA AVE	24737	M-24737SFA	5	TPH as Diesel	8.8	
MARBELLA AVE	24737	M-24737SFA	10	TPH as Diesel	0	
MARBELLA AVE	24740	M-24740SBGA	0.5	TPH as Diesel	620	
MARBELLA AVE	24740	M-24740SBGA	2	TPH as Diesel	1700	Y
MARBELLA AVE	24740	M-24740SBGA	5	TPH as Diesel	0	
MARBELLA AVE	24740	M-24740SBGA	10	TPH as Diesel	0	
MARBELLA AVE	24740	M-24740SBH	0.5	TPH as Diesel	370	
MARBELLA AVE	24740	M-24740SBH	2	TPH as Diesel	570	
MARBELLA AVE	24740	M-24740SBH	4.5	TPH as Diesel	11000	
MARBELLA AVE	24740	M-24740SBH	5	TPH as Diesel	7600	Y
MARBELLA AVE	24740	M-24740SBH	10	TPH as Diesel	530	
MARBELLA AVE	24740	M-24740SBK	0.5	TPH as Diesel	1700	
MARBELLA AVE	24740	M-24740SBK	2	TPH as Diesel	1500	Y
MARBELLA AVE	24740	M-24740SBK	5	TPH as Diesel	13	
MARBELLA AVE	24740	M-24740SBK	10	TPH as Diesel	12	
MARBELLA AVE	24744	M-24744SB	0.5	TPH as Diesel	310	
MARBELLA AVE	24744	M-24744SB	2	TPH as Diesel	4300	Y
MARBELLA AVE	24744	M-24744SB	5	TPH as Diesel	18	
MARBELLA AVE	24744	M-24744SB	10	TPH as Diesel	50	
MARBELLA AVE	24744	M-24744SF	0.5	TPH as Diesel	580	
MARBELLA AVE	24744	M-24744SF	2	TPH as Diesel	12000	Y
MARBELLA AVE	24744	M-24744SF	5	TPH as Diesel	11	
MARBELLA AVE	24744	M-24744SF	10	TPH as Diesel	9.3	
MARBELLA AVE	24744	M-24744SBA	0.5	TPH as Diesel	35	
MARBELLA AVE	24744	M-24744SBA	2	TPH as Diesel	11000	Y
MARBELLA AVE	24744	M-24744SBA	4	TPH as Diesel	800	
MARBELLA AVE	24744	M-24744SBA	5	TPH as Diesel	23	
MARBELLA AVE	24744	M-24744SBA	10	TPH as Diesel	34	
NEPTUNE AVE	24402	N-24402SFB	0.5	TPH as Diesel	49	
NEPTUNE AVE	24402	N-24402SFB	2	TPH as Diesel	59	
NEPTUNE AVE	24402	N-24402SFB	4	TPH as Diesel	1300	Y
NEPTUNE AVE	24402	N-24402SFB	5	TPH as Diesel	180	
NEPTUNE AVE	24402	N-24402SFB	7	TPH as Diesel	1500	
NEPTUNE AVE	24402	N-24402SFCA	5	TPH as Diesel	4200	Y
NEPTUNE AVE	24402	N-24402SFCA	6.5	TPH as Diesel	54	
NEPTUNE AVE	24402	N-24402SFH	0.5	TPH as Diesel	1000	
NEPTUNE AVE	24402	N-24402SFH	2	TPH as Diesel	2200	Y
NEPTUNE AVE	24402	N-24402SFH	5	TPH as Diesel	49	
NEPTUNE AVE	24402	N-24402SFH	7	TPH as Diesel	86	
NEPTUNE AVE	24403	N-24403SFF	0.5	TPH as Diesel	82	

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TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

NEPTUNE AVE	24403	N-24403SFF	2	TPH as Diesel	0	
NEPTUNE AVE	24403	N-24403SFF	3.5	TPH as Diesel	3900	Y
NEPTUNE AVE	24403	N-24403SFF	5	TPH as Diesel	15	
NEPTUNE AVE	24403	N-24403SFF	5.75	TPH as Diesel	9900	
NEPTUNE AVE	24406	N-24406SBC	0.5	TPH as Diesel	7.3	
NEPTUNE AVE	24406	N-24406SBC	2	TPH as Diesel	450	
NEPTUNE AVE	24406	N-24406SBC	3	TPH as Diesel	310	
NEPTUNE AVE	24406	N-24406SBC	5	TPH as Diesel	84	
NEPTUNE AVE	24406	N-24406SBC	6.5	TPH as Diesel	30000	Y
NEPTUNE AVE	24406	N-24406SBC	8.5	TPH as Diesel	2100	
NEPTUNE AVE	24406	N-24406SFC	0.5	TPH as Diesel	42	
NEPTUNE AVE	24406	N-24406SFC	2	TPH as Diesel	69	
NEPTUNE AVE	24406	N-24406SFC	5	TPH as Diesel	110	
NEPTUNE AVE	24406	N-24406SFC	7	TPH as Diesel	3200	Y
NEPTUNE AVE	24406	N-24406SFC	7.5	TPH as Diesel	70	
NEPTUNE AVE	24409	N-24409SBA	0.5	TPH as Diesel	22	
NEPTUNE AVE	24409	N-24409SBA	2	TPH as Diesel	2300	Y
NEPTUNE AVE	24409	N-24409SBA	5	TPH as Diesel	440	
NEPTUNE AVE	24409	N-24409SFC	0.5	TPH as Diesel	110	
NEPTUNE AVE	24409	N-24409SFC	2	TPH as Diesel	15	
NEPTUNE AVE	24409	N-24409SFC	3.5	TPH as Diesel	6800	
NEPTUNE AVE	24409	N-24409SFC	5	TPH as Diesel	2100	Y
NEPTUNE AVE	24409	N-24409SFC	7.5	TPH as Diesel	370	
NEPTUNE AVE	24416	N-24416SBC	0.5	TPH as Diesel	350	
NEPTUNE AVE	24416	N-24416SBC	2	TPH as Diesel	1100	Y
NEPTUNE AVE	24416	N-24416SBC	5	TPH as Diesel	31	
NEPTUNE AVE	24416	N-24416SBC	9.5	TPH as Diesel	190	
NEPTUNE AVE	24419	N-24419SBB	-0.5	TPH as Diesel	63	
NEPTUNE AVE	24419	N-24419SBB	0.5	TPH as Diesel	1300	Y
NEPTUNE AVE	24419	N-24419SBB	2	TPH as Diesel	72	
NEPTUNE AVE	24419	N-24419SBB	4	TPH as Diesel	5500	Y
NEPTUNE AVE	24419	N-24419SBB	5	TPH as Diesel	750	
NEPTUNE AVE	24419	N-24419SBB	8.5	TPH as Diesel	5400	
NEPTUNE AVE	24502	N-24502SFB	0.5	TPH as Diesel	66	
NEPTUNE AVE	24502	N-24502SFB	2	TPH as Diesel	120	
NEPTUNE AVE	24502	N-24502SFB	5	TPH as Diesel	59	
NEPTUNE AVE	24502	N-24502SFB	8	TPH as Diesel	1300	Y
NEPTUNE AVE	24502	N-24502SFB	10	TPH as Diesel	99	
NEPTUNE AVE	24502	N-24502SFE	0.5	TPH as Diesel	100	
NEPTUNE AVE	24502	N-24502SFE	2	TPH as Diesel	290	
NEPTUNE AVE	24502	N-24502SFE	4	TPH as Diesel	31	
NEPTUNE AVE	24502	N-24502SFE	5	TPH as Diesel	2200	Y
NEPTUNE AVE	24502	N-24502SFE	8.5	TPH as Diesel	410	
NEPTUNE AVE	24502	N-24502SFE	10	TPH as Diesel	190	
NEPTUNE AVE	24502	N-24502SFF	0.5	TPH as Diesel	32	
NEPTUNE AVE	24502	N-24502SFF	2	TPH as Diesel	59	
NEPTUNE AVE	24502	N-24502SFF	5	TPH as Diesel	11	
NEPTUNE AVE	24502	N-24502SFF	6.5	TPH as Diesel	23000	Y
NEPTUNE AVE	24502	N-24502SFF	10	TPH as Diesel	370	
NEPTUNE AVE	24503	N-24503SFD	0.5	TPH as Diesel	60	
NEPTUNE AVE	24503	N-24503SFD	2	TPH as Diesel	250	
NEPTUNE AVE	24503	N-24503SFD	5	TPH as Diesel	8300	Y
NEPTUNE AVE	24503	N-24503SFD	7.5	TPH as Diesel	290	
NEPTUNE AVE	24503	N-24503SFD	10	TPH as Diesel	9100	
NEPTUNE AVE	24503	N-24503SBFA	7	TPH as Diesel	4300	Y
NEPTUNE AVE	24503	N-24503SBFA	8	TPH as Diesel	200	
NEPTUNE AVE	24508	N-24508SBE	0.5	TPH as Diesel	120	
NEPTUNE AVE	24508	N-24508SBE	2	TPH as Diesel	120	
NEPTUNE AVE	24508	N-24508SBE	3.5	TPH as Diesel	2500	Y
NEPTUNE AVE	24508	N-24508SBE	5	TPH as Diesel	360	

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RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

NEPTUNE AVE	24508	N-24508SBE	10	TPH as Diesel	160	
NEPTUNE AVE	24508	N-24508SFA	0.5	TPH as Diesel	3100	Y
NEPTUNE AVE	24508	N-24508SFA	2	TPH as Diesel	8.4	
NEPTUNE AVE	24508	N-24508SFA	3.5	TPH as Diesel	300	
NEPTUNE AVE	24508	N-24508SFA	5	TPH as Diesel	7.8	
NEPTUNE AVE	24508	N-24508SFA	10	TPH as Diesel	12	
NEPTUNE AVE	24509	N-24509SB	0.5	TPH as Diesel	0	
NEPTUNE AVE	24509	N-24509SB	2	TPH as Diesel	0	
NEPTUNE AVE	24509	N-24509SB	5	TPH as Diesel	7000	Y
NEPTUNE AVE	24509	N-24509SB	10	TPH as Diesel	560	
NEPTUNE AVE	24512	N-24512SBA	0.5	TPH as Diesel	79	
NEPTUNE AVE	24512	N-24512SBA	2	TPH as Diesel	1500	Y
NEPTUNE AVE	24512	N-24512SBA	5	TPH as Diesel	23	
NEPTUNE AVE	24512	N-24512SBA	10	TPH as Diesel	5000	
NEPTUNE AVE	24512	N-24512SBD	0.5	TPH as Diesel	21	
NEPTUNE AVE	24512	N-24512SBD	2	TPH as Diesel	47	
NEPTUNE AVE	24512	N-24512SBD	5	TPH as Diesel	3400	Y
NEPTUNE AVE	24512	N-24512SBD	10	TPH as Diesel	550	
NEPTUNE AVE	24518	N-24518SBA	0.5	TPH as Diesel	37	
NEPTUNE AVE	24518	N-24518SBA	2	TPH as Diesel	54	
NEPTUNE AVE	24518	N-24518SBA	5	TPH as Diesel	11000	Y
NEPTUNE AVE	24518	N-24518SBA	10	TPH as Diesel	620	
NEPTUNE AVE	24518	N-24518SBC	0.5	TPH as Diesel	16	
NEPTUNE AVE	24518	N-24518SBC	2	TPH as Diesel	34	
NEPTUNE AVE	24518	N-24518SBC	5	TPH as Diesel	2800	Y
NEPTUNE AVE	24518	N-24518SBC	10	TPH as Diesel	44	
NEPTUNE AVE	24519	N-24519SBA	0.5	TPH as Diesel	9.8	
NEPTUNE AVE	24519	N-24519SBA	2	TPH as Diesel	94	
NEPTUNE AVE	24519	N-24519SBA	4	TPH as Diesel	310	
NEPTUNE AVE	24519	N-24519SBA	5	TPH as Diesel	5.1	
NEPTUNE AVE	24519	N-24519SBA	9	TPH as Diesel	3300	Y
NEPTUNE AVE	24519	N-24519SBA	10	TPH as Diesel	490	
NEPTUNE AVE	24519	N-24519SFB	0.5	TPH as Diesel	71	
NEPTUNE AVE	24519	N-24519SFB	2	TPH as Diesel	430	
NEPTUNE AVE	24519	N-24519SFB	4	TPH as Diesel	6200	Y
NEPTUNE AVE	24519	N-24519SFB	5	TPH as Diesel	110	
NEPTUNE AVE	24519	N-24519SFB	10	TPH as Diesel	4800	
NEPTUNE AVE	24522	N-24522SBB	0.5	TPH as Diesel	15	
NEPTUNE AVE	24522	N-24522SBB	2	TPH as Diesel	53	
NEPTUNE AVE	24522	N-24522SBB	5	TPH as Diesel	3700	Y
NEPTUNE AVE	24522	N-24522SBB	10	TPH as Diesel	420	
NEPTUNE AVE	24529	N-24529SFC	0.5	TPH as Diesel	39	
NEPTUNE AVE	24529	N-24529SFC	2	TPH as Diesel	0	
NEPTUNE AVE	24529	N-24529SFC	3	TPH as Diesel	7400	Y
NEPTUNE AVE	24529	N-24529SFC	5	TPH as Diesel	0	
NEPTUNE AVE	24529	N-24529SFC	10	TPH as Diesel	0	
NEPTUNE AVE	24603	N-24603SBA	0.5	TPH as Diesel	320	
NEPTUNE AVE	24603	N-24603SBA	2	TPH as Diesel	9500	
NEPTUNE AVE	24603	N-24603SBA	5	TPH as Diesel	3800	Y
NEPTUNE AVE	24603	N-24603SBA	10	TPH as Diesel	520	
NEPTUNE AVE	24603	N-24603SBF	0.5	TPH as Diesel	55	
NEPTUNE AVE	24603	N-24603SBF	2	TPH as Diesel	2900	Y
NEPTUNE AVE	24603	N-24603SBF	3	TPH as Diesel	22	
NEPTUNE AVE	24603	N-24603SBF	5	TPH as Diesel	0	
NEPTUNE AVE	24603	N-24603SBF	10	TPH as Diesel	0	
NEPTUNE AVE	24609	N-24609SB	0.5	TPH as Diesel	370	
NEPTUNE AVE	24609	N-24609SB	2	TPH as Diesel	6500	
NEPTUNE AVE	24609	N-24609SB	5	TPH as Diesel	3700	Y
NEPTUNE AVE	24609	N-24609SB	10	TPH as Diesel	370	
NEPTUNE AVE	24613	N-24613SBB	0.5	TPH as Diesel	19	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24613	N-24613SBB	2	TPH as Diesel	190	
NEPTUNE AVE	24613	N-24613SBB	4	TPH as Diesel	8400	Y
NEPTUNE AVE	24613	N-24613SBB	5	TPH as Diesel	1400	
NEPTUNE AVE	24613	N-24613SBB	7.5	TPH as Diesel	9800	
NEPTUNE AVE	24613	N-24613SFD	0.5	TPH as Diesel	13000	
NEPTUNE AVE	24613	N-24613SFD	2	TPH as Diesel	11000	
NEPTUNE AVE	24613	N-24613SFD	2.5	TPH as Diesel	6900	Y
NEPTUNE AVE	24613	N-24613SFD	5	TPH as Diesel	980	
NEPTUNE AVE	24613	N-24613SFD	6	TPH as Diesel	8700	
NEPTUNE AVE	24619	N-24619SBC	0.5	TPH as Diesel	55	
NEPTUNE AVE	24619	N-24619SBC	2	TPH as Diesel	39	
NEPTUNE AVE	24619	N-24619SBC	4.5	TPH as Diesel	12000	Y
NEPTUNE AVE	24619	N-24619SBC	5	TPH as Diesel	1800	
NEPTUNE AVE	24619	N-24619SBC	8	TPH as Diesel	22000	
NEPTUNE AVE	24622	N-24622SBB	0.5	TPH as Diesel	8.4	
NEPTUNE AVE	24622	N-24622SBB	2	TPH as Diesel	21	
NEPTUNE AVE	24622	N-24622SBB	3	TPH as Diesel	1500	Y
NEPTUNE AVE	24622	N-24622SBB	5	TPH as Diesel	81	
NEPTUNE AVE	24622	N-24622SBB	8	TPH as Diesel	7100	
NEPTUNE AVE	24623	N-24623SBBBA	4	TPH as Diesel	12000	Y
NEPTUNE AVE	24623	N-24623SBBBA	5	TPH as Diesel	2200	
NEPTUNE AVE	24623	N-24623SBBBA	8	TPH as Diesel	21000	
NEPTUNE AVE	24623	N-24623SFD	0.5	TPH as Diesel	850	
NEPTUNE AVE	24623	N-24623SFD	2	TPH as Diesel	2000	
NEPTUNE AVE	24623	N-24623SFD	2.5	TPH as Diesel	3100	Y
NEPTUNE AVE	24623	N-24623SFD	5	TPH as Diesel	520	
NEPTUNE AVE	24703	N-24703SBA	0.5	TPH as Diesel	19000	Y
NEPTUNE AVE	24703	N-24703SBA	2	TPH as Diesel	27	
NEPTUNE AVE	24703	N-24703SBA	5	TPH as Diesel	4200	
NEPTUNE AVE	24703	N-24703SFB	0.5	TPH as Diesel	240	
NEPTUNE AVE	24703	N-24703SFB	2	TPH as Diesel	35	
NEPTUNE AVE	24703	N-24703SFB	4	TPH as Diesel	8200	Y
NEPTUNE AVE	24703	N-24703SFB	5	TPH as Diesel	140	
NEPTUNE AVE	24703	N-24703SFB	8	TPH as Diesel	6900	
NEPTUNE AVE	24703	N-24703SFD	0.5	TPH as Diesel	200	
NEPTUNE AVE	24703	N-24703SFD	2	TPH as Diesel	170	
NEPTUNE AVE	24703	N-24703SFD	3.5	TPH as Diesel	4900	Y
NEPTUNE AVE	24703	N-24703SFD	5	TPH as Diesel	520	
NEPTUNE AVE	24703	N-24703SFD	8	TPH as Diesel	2800	
NEPTUNE AVE	24709	N-24709SFA	0.5	TPH as Diesel	120	
NEPTUNE AVE	24709	N-24709SFA	2	TPH as Diesel	440	
NEPTUNE AVE	24709	N-24709SFA	4	TPH as Diesel	1400	Y
NEPTUNE AVE	24709	N-24709SFA	5	TPH as Diesel	180	
NEPTUNE AVE	24709	N-24709SFA	8.5	TPH as Diesel	4100	
NEPTUNE AVE	24709	N-24709SFC	0.5	TPH as Diesel	950	
NEPTUNE AVE	24709	N-24709SFC	2	TPH as Diesel	630	
NEPTUNE AVE	24709	N-24709SFC	5	TPH as Diesel	3500	Y
NEPTUNE AVE	24709	N-24709SFC	8	TPH as Diesel	490	
NEPTUNE AVE	24712	N-24712SF	0.5	TPH as Diesel	180	
NEPTUNE AVE	24712	N-24712SF	2	TPH as Diesel	82	
NEPTUNE AVE	24712	N-24712SF	4	TPH as Diesel	6700	Y
NEPTUNE AVE	24712	N-24712SF	5	TPH as Diesel	230	
NEPTUNE AVE	24715	N-24715SB	0.5	TPH as Diesel	80	
NEPTUNE AVE	24715	N-24715SB	2	TPH as Diesel	160	
NEPTUNE AVE	24715	N-24715SB	5	TPH as Diesel	17000	Y
NEPTUNE AVE	24715	N-24715SB	7	TPH as Diesel	3000	
NEPTUNE AVE	24715	N-24715SBB	0.5	TPH as Diesel	340	
NEPTUNE AVE	24715	N-24715SBB	2	TPH as Diesel	39	
NEPTUNE AVE	24715	N-24715SBB	4.5	TPH as Diesel	4200	Y
NEPTUNE AVE	24715	N-24715SBB	5	TPH as Diesel	330	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24715	N-24715SBB	8	TPH as Diesel	750	
NEPTUNE AVE	24715	N-24715SFD	0.5	TPH as Diesel	91	
NEPTUNE AVE	24715	N-24715SFD	2	TPH as Diesel	8400	Y
NEPTUNE AVE	24715	N-24715SFD	3.5	TPH as Diesel	260	
NEPTUNE AVE	24715	N-24715SFD	5	TPH as Diesel	1000	
NEPTUNE AVE	24715	N-24715SFD	8	TPH as Diesel	12000	
NEPTUNE AVE	24718	N-24718SBB	0.5	TPH as Diesel	1100	
NEPTUNE AVE	24718	N-24718SBB	2	TPH as Diesel	4300	
NEPTUNE AVE	24718	N-24718SBB	3.5	TPH as Diesel	4400	Y
NEPTUNE AVE	24718	N-24718SBB	5	TPH as Diesel	17	
NEPTUNE AVE	24718	N-24718SBB	10	TPH as Diesel	5.5	
NEPTUNE AVE	24719	N-24719SBB	-0.5	TPH as Diesel	190	
NEPTUNE AVE	24719	N-24719SBB	0.5	TPH as Diesel	430	
NEPTUNE AVE	24719	N-24719SBB	2	TPH as Diesel	1600	Y
NEPTUNE AVE	24719	N-24719SBB	5	TPH as Diesel	85	
NEPTUNE AVE	24719	N-24719SBB	8.5	TPH as Diesel	83	
NEPTUNE AVE	24719	N-24719SBB	10	TPH as Diesel	120	
NEPTUNE AVE	24719	N-24719SBC	-0.5	TPH as Diesel	360	
NEPTUNE AVE	24719	N-24719SBC	0.5	TPH as Diesel	3000	Y
NEPTUNE AVE	24719	N-24719SBC	2	TPH as Diesel	370	
NEPTUNE AVE	24719	N-24719SBC	4	TPH as Diesel	2900	Y
NEPTUNE AVE	24719	N-24719SBC	5	TPH as Diesel	350	
NEPTUNE AVE	24719	N-24719SBC	10	TPH as Diesel	57	
NEPTUNE AVE	24719	N-24719SFB	-0.5	TPH as Diesel	58	
NEPTUNE AVE	24719	N-24719SFB	0.5	TPH as Diesel	120	
NEPTUNE AVE	24719	N-24719SFB	2	TPH as Diesel	320	
NEPTUNE AVE	24719	N-24719SFB	4	TPH as Diesel	4200	Y
NEPTUNE AVE	24719	N-24719SFB	5	TPH as Diesel	420	
NEPTUNE AVE	24719	N-24719SFB	10	TPH as Diesel	8500	
NEPTUNE AVE	24725	N-24725SBB	0.5	TPH as Diesel	18	
NEPTUNE AVE	24725	N-24725SBB	2	TPH as Diesel	290	
NEPTUNE AVE	24725	N-24725SBB	3.5	TPH as Diesel	1400	Y
NEPTUNE AVE	24725	N-24725SBB	5	TPH as Diesel	65	
NEPTUNE AVE	24725	N-24725SBB	10	TPH as Diesel	28	
NEPTUNE AVE	24728	N-24728SBC	0.5	TPH as Diesel	8100	
NEPTUNE AVE	24728	N-24728SBC	2	TPH as Diesel	2500	
NEPTUNE AVE	24728	N-24728SBC	5	TPH as Diesel	10000	Y
NEPTUNE AVE	24728	N-24728SBC	10	TPH as Diesel	680	
NEPTUNE AVE	24729	N-24729SBB	0.5	TPH as Diesel	25	
NEPTUNE AVE	24729	N-24729SBB	2	TPH as Diesel	1500	Y
NEPTUNE AVE	24729	N-24729SBB	5	TPH as Diesel	0	
NEPTUNE AVE	24729	N-24729SBB	10	TPH as Diesel	8.1	
NEPTUNE AVE	24729	N-24729SBC	0.5	TPH as Diesel	47	
NEPTUNE AVE	24729	N-24729SBC	2	TPH as Diesel	2800	Y
NEPTUNE AVE	24729	N-24729SBC	5	TPH as Diesel	63	
NEPTUNE AVE	24729	N-24729SBC	10	TPH as Diesel	65	
NEPTUNE AVE	24735	N-24735SBD	0.5	TPH as Diesel	9300	Y
NEPTUNE AVE	24735	N-24735SBD	2	TPH as Diesel	21	
NEPTUNE AVE	24735	N-24735SBD	5	TPH as Diesel	16	
NEPTUNE AVE	24735	N-24735SBD	10	TPH as Diesel	16	
NEPTUNE AVE	24735	N-24735SFA	0.5	TPH as Diesel	7.8	
NEPTUNE AVE	24735	N-24735SFA	2	TPH as Diesel	3900	Y
NEPTUNE AVE	24735	N-24735SFA	5	TPH as Diesel	48	
NEPTUNE AVE	24735	N-24735SFA	10	TPH as Diesel	0	
NEPTUNE AVE	24738	N-24738SF	0.5	TPH as Diesel	1000	Y
NEPTUNE AVE	24738	N-24738SF	5	TPH as Diesel	57	
NEPTUNE AVE	24738	N-24738SF	10	TPH as Diesel	2700	
NEPTUNE AVE	24738	N-24738SF	15	TPH as Diesel	21000	
NEPTUNE AVE	24739	N-24739SF	0.5	TPH as Diesel	58	
NEPTUNE AVE	24739	N-24739SF	2	TPH as Diesel	8700	Y

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

NEPTUNE AVE	24739	N-24739SF	4	TPH as Diesel	190	
NEPTUNE AVE	24739	N-24739SF	5	TPH as Diesel	54	
NEPTUNE AVE	24739	N-24739SF	10	TPH as Diesel	10	
NEPTUNE AVE	24739	N-24739SFE	0.5	TPH as Diesel	98	
NEPTUNE AVE	24739	N-24739SFE	2	TPH as Diesel	3700	Y
NEPTUNE AVE	24739	N-24739SFE	5	TPH as Diesel	95	
NEPTUNE AVE	24739	N-24739SFE	10	TPH as Diesel	0	
NEPTUNE AVE	24803	N-24803SFB	0.5	TPH as Diesel	370	
NEPTUNE AVE	24803	N-24803SFB	2	TPH as Diesel	6400	Y
NEPTUNE AVE	24803	N-24803SFB	5	TPH as Diesel	180	
NEPTUNE AVE	24803	N-24803SFB	10	TPH as Diesel	58	
NEPTUNE AVE	24809	N-24809SFA	0.5	TPH as Diesel	620	
NEPTUNE AVE	24809	N-24809SFA	2	TPH as Diesel	2800	Y
NEPTUNE AVE	24809	N-24809SFA	5	TPH as Diesel	0	
NEPTUNE AVE	24809	N-24809SFA	10	TPH as Diesel	0	
NEPTUNE AVE	24809	N-24809SFF	0.5	TPH as Diesel	62	
NEPTUNE AVE	24809	N-24809SFF	2	TPH as Diesel	270	
NEPTUNE AVE	24809	N-24809SFF	5	TPH as Diesel	550	
NEPTUNE AVE	24809	N-24809SFF	6.5	TPH as Diesel	8100	Y
NEPTUNE AVE	24809	N-24809SFF	10	TPH as Diesel	65	
NEPTUNE AVE	24815	N-24815SBB	-0.5	TPH as Diesel	390	
NEPTUNE AVE	24815	N-24815SBB	0.5	TPH as Diesel	36	
NEPTUNE AVE	24815	N-24815SBB	2	TPH as Diesel	440	
NEPTUNE AVE	24815	N-24815SBB	3.5	TPH as Diesel	5500	
NEPTUNE AVE	24815	N-24815SBB	5	TPH as Diesel	3500	Y
NEPTUNE AVE	24815	N-24815SBB	10	TPH as Diesel	100	
NEPTUNE AVE	24815	N-24815SBC	0.5	TPH as Diesel	160	
NEPTUNE AVE	24815	N-24815SBC	2	TPH as Diesel	250	
NEPTUNE AVE	24815	N-24815SBC	5	TPH as Diesel	3500	Y
NEPTUNE AVE	24815	N-24815SBC	7	TPH as Diesel	440	
NEPTUNE AVE	24815	N-24815SBC	10	TPH as Diesel	0	
NEPTUNE AVE	24904	N-24904SBB	0.5	TPH as Diesel	170	
NEPTUNE AVE	24904	N-24904SBB	2	TPH as Diesel	210	
NEPTUNE AVE	24904	N-24904SBB	3.5	TPH as Diesel	2600	Y
NEPTUNE AVE	24904	N-24904SBB	5	TPH as Diesel	360	
NEPTUNE AVE	24904	N-24904SBB	10	TPH as Diesel	350	
NEPTUNE AVE	24904	N-24904SFB	0.5	TPH as Diesel	480	
NEPTUNE AVE	24904	N-24904SFB	2	TPH as Diesel	620	
NEPTUNE AVE	24904	N-24904SFB	5	TPH as Diesel	450	
NEPTUNE AVE	24904	N-24904SFB	7.5	TPH as Diesel	1200	Y
NEPTUNE AVE	24904	N-24904SFB	10	TPH as Diesel	55	
NEPTUNE AVE	24904	N-24904SFC	0.5	TPH as Diesel	75	
NEPTUNE AVE	24904	N-24904SFC	2	TPH as Diesel	610	
NEPTUNE AVE	24904	N-24904SFC	5	TPH as Diesel	360	
NEPTUNE AVE	24904	N-24904SFC	8	TPH as Diesel	1100	Y
NEPTUNE AVE	24904	N-24904SFC	10	TPH as Diesel	0	
NEPTUNE AVE	24904	N-24904SFG	0.5	TPH as Diesel	130	
NEPTUNE AVE	24904	N-24904SFG	2	TPH as Diesel	35	
NEPTUNE AVE	24904	N-24904SFG	5	TPH as Diesel	210	
NEPTUNE AVE	24904	N-24904SFG	7	TPH as Diesel	1800	Y
NEPTUNE AVE	24904	N-24904SFG	10	TPH as Diesel	280	
NEPTUNE AVE	24904	N-24904SFH	0.5	TPH as Diesel	230	
NEPTUNE AVE	24904	N-24904SFH	2	TPH as Diesel	53	
NEPTUNE AVE	24904	N-24904SFH	5	TPH as Diesel	230	
NEPTUNE AVE	24904	N-24904SFH	6.5	TPH as Diesel	1500	Y
NEPTUNE AVE	24904	N-24904SFH	10	TPH as Diesel	75	
NEPTUNE AVE	24912	N-24912SBA	0.5	TPH as Diesel	14	
NEPTUNE AVE	24912	N-24912SBA	2	TPH as Diesel	100	
NEPTUNE AVE	24912	N-24912SBA	5	TPH as Diesel	110	
NEPTUNE AVE	24912	N-24912SBA	8.5	TPH as Diesel	2500	Y

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24912	N-24912SBA	10	TPH as Diesel	220	
NEPTUNE AVE	24912	N-24912SBC	0.5	TPH as Diesel	32	
NEPTUNE AVE	24912	N-24912SBC	2	TPH as Diesel	37	
NEPTUNE AVE	24912	N-24912SBC	5	TPH as Diesel	150	
NEPTUNE AVE	24912	N-24912SBC	8.5	TPH as Diesel	1000	Y
NEPTUNE AVE	24912	N-24912SBC	10	TPH as Diesel	140	
PANAMA AVE	24402	P-24402SBB	0.5	TPH as Diesel	130	
PANAMA AVE	24402	P-24402SBB	2	TPH as Diesel	2500	Y
PANAMA AVE	24402	P-24402SBB	5	TPH as Diesel	0	
PANAMA AVE	24402	P-24402SBB	10	TPH as Diesel	12	
PANAMA AVE	24406	P-24406SFA	0.5	TPH as Diesel	380	
PANAMA AVE	24406	P-24406SFA	2	TPH as Diesel	240	
PANAMA AVE	24406	P-24406SFA	3.5	TPH as Diesel	9500	Y
PANAMA AVE	24406	P-24406SFA	5	TPH as Diesel	39	
PANAMA AVE	24406	P-24406SFA	10	TPH as Diesel	6.8	
PANAMA AVE	24410	P-24410SFD	0.5	TPH as Diesel	1200	Y
PANAMA AVE	24410	P-24410SFD	2	TPH as Diesel	100	
PANAMA AVE	24410	P-24410SFD	5	TPH as Diesel	0	
PANAMA AVE	24410	P-24410SFD	10	TPH as Diesel	0	
PANAMA AVE	24416	P-24416SBB	-0.5	TPH as Diesel	110	
PANAMA AVE	24416	P-24416SBB	0.5	TPH as Diesel	1600	Y
PANAMA AVE	24416	P-24416SBB	2	TPH as Diesel	27	
PANAMA AVE	24416	P-24416SBB	5	TPH as Diesel	0	
PANAMA AVE	24416	P-24416SBB	10	TPH as Diesel	0	
PANAMA AVE	24417	P-24417SFB	0.5	TPH as Diesel	250	
PANAMA AVE	24417	P-24417SFB	2	TPH as Diesel	140	
PANAMA AVE	24417	P-24417SFB	5	TPH as Diesel	20	
PANAMA AVE	24417	P-24417SFB	7	TPH as Diesel	1200	
PANAMA AVE	24417	P-24417SFB	8.5	TPH as Diesel	4800	Y
PANAMA AVE	24417	P-24417SFB	10	TPH as Diesel	110	
PANAMA AVE	24420	P-24420SB	-1	TPH as Diesel	320	
PANAMA AVE	24420	P-24420SB	0.5	TPH as Diesel	6000	
PANAMA AVE	24420	P-24420SB	2	TPH as Diesel	3600	Y
PANAMA AVE	24420	P-24420SB	5	TPH as Diesel	28	
PANAMA AVE	24420	P-24420SB	10	TPH as Diesel	290	
PANAMA AVE	24420	P-24420SBB	-1.5	TPH as Diesel	4000	Y
PANAMA AVE	24420	P-24420SBB	-0.5	TPH as Diesel	130	
PANAMA AVE	24420	P-24420SBB	0.5	TPH as Diesel	14	
PANAMA AVE	24420	P-24420SBB	2	TPH as Diesel	390	
PANAMA AVE	24420	P-24420SBB	5	TPH as Diesel	240	
PANAMA AVE	24420	P-24420SBB	10	TPH as Diesel	25	
PANAMA AVE	24421	P-24421SBB	0.5	TPH as Diesel	530	
PANAMA AVE	24421	P-24421SBB	2	TPH as Diesel	640	
PANAMA AVE	24421	P-24421SBB	5	TPH as Diesel	17	
PANAMA AVE	24421	P-24421SBB	9.5	TPH as Diesel	7100	Y
PANAMA AVE	24421	P-24421SBB	10	TPH as Diesel	1200	
PANAMA AVE	24421	P-24421SFC	0.5	TPH as Diesel	360	
PANAMA AVE	24421	P-24421SFC	2	TPH as Diesel	730	
PANAMA AVE	24421	P-24421SFC	3.5	TPH as Diesel	7100	
PANAMA AVE	24421	P-24421SFC	5	TPH as Diesel	11000	Y
PANAMA AVE	24421	P-24421SFC	10	TPH as Diesel	64	
PANAMA AVE	24426	P-24426SBC	-1	TPH as Diesel	4700	
PANAMA AVE	24426	P-24426SBC	0.5	TPH as Diesel	1500	Y
PANAMA AVE	24426	P-24426SBC	2	TPH as Diesel	73	
PANAMA AVE	24426	P-24426SBC	5	TPH as Diesel	44	
PANAMA AVE	24426	P-24426SBC	10	TPH as Diesel	49	
PANAMA AVE	24427	P-24427SBB	0.5	TPH as Diesel	310	
PANAMA AVE	24427	P-24427SBB	2	TPH as Diesel	230	
PANAMA AVE	24427	P-24427SBB	5	TPH as Diesel	1400	Y
PANAMA AVE	24427	P-24427SBB	10	TPH as Diesel	110	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24431	P-24431SBC	0.5	TPH as Diesel	74	
PANAMA AVE	24431	P-24431SBC	2	TPH as Diesel	2600	Y
PANAMA AVE	24431	P-24431SBC	4	TPH as Diesel	480	
PANAMA AVE	24431	P-24431SBC	5	TPH as Diesel	790	
PANAMA AVE	24431	P-24431SBC	10	TPH as Diesel	450	
PANAMA AVE	24503	P-24503SBA	0.5	TPH as Diesel	620	
PANAMA AVE	24503	P-24503SBA	2	TPH as Diesel	3300	
PANAMA AVE	24503	P-24503SBA	3	TPH as Diesel	4100	Y
PANAMA AVE	24503	P-24503SBA	5	TPH as Diesel	150	
PANAMA AVE	24503	P-24503SBA	10	TPH as Diesel	230	
PANAMA AVE	24503	P-24503SBC	0.5	TPH as Diesel	52	
PANAMA AVE	24503	P-24503SBC	2	TPH as Diesel	170	
PANAMA AVE	24503	P-24503SBC	3.5	TPH as Diesel	12000	
PANAMA AVE	24503	P-24503SBC	5	TPH as Diesel	3700	Y
PANAMA AVE	24503	P-24503SBC	10	TPH as Diesel	22	
PANAMA AVE	24509	P-24509SBA	0.5	TPH as Diesel	220	
PANAMA AVE	24509	P-24509SBA	2	TPH as Diesel	6500	Y
PANAMA AVE	24509	P-24509SBA	5	TPH as Diesel	210	
PANAMA AVE	24509	P-24509SBA	8.5	TPH as Diesel	3800	
PANAMA AVE	24509	P-24509SBA	10	TPH as Diesel	4100	
PANAMA AVE	24509	P-24509SBC	0.5	TPH as Diesel	120	
PANAMA AVE	24509	P-24509SBC	2	TPH as Diesel	5000	Y
PANAMA AVE	24509	P-24509SBC	5	TPH as Diesel	480	
PANAMA AVE	24509	P-24509SBC	8	TPH as Diesel	240	
PANAMA AVE	24509	P-24509SFE	0.5	TPH as Diesel	52	
PANAMA AVE	24509	P-24509SFE	2	TPH as Diesel	100	
PANAMA AVE	24509	P-24509SFE	3	TPH as Diesel	1000	Y
PANAMA AVE	24509	P-24509SFE	5	TPH as Diesel	150	
PANAMA AVE	24509	P-24509SFE	10	TPH as Diesel	300	
PANAMA AVE	24513	P-24513SBA	0.5	TPH as Diesel	120	
PANAMA AVE	24513	P-24513SBA	2	TPH as Diesel	160	
PANAMA AVE	24513	P-24513SBA	4	TPH as Diesel	4000	Y
PANAMA AVE	24513	P-24513SBA	5	TPH as Diesel	380	
PANAMA AVE	24513	P-24513SBA	10	TPH as Diesel	3700	
PANAMA AVE	24513	P-24513SBB	0.5	TPH as Diesel	26	
PANAMA AVE	24513	P-24513SBB	2	TPH as Diesel	22	
PANAMA AVE	24513	P-24513SBB	5	TPH as Diesel	190	
PANAMA AVE	24513	P-24513SBB	7	TPH as Diesel	14000	Y
PANAMA AVE	24513	P-24513SBB	10	TPH as Diesel	710	
PANAMA AVE	24513	P-24513SBDA	2	TPH as Diesel	230	
PANAMA AVE	24513	P-24513SBDA	5	TPH as Diesel	360	
PANAMA AVE	24513	P-24513SBDA	6	TPH as Diesel	7400	Y
PANAMA AVE	24513	P-24513SBDA	10	TPH as Diesel	860	
PANAMA AVE	24513	P-24513SBE	0.5	TPH as Diesel	0	
PANAMA AVE	24513	P-24513SBE	2	TPH as Diesel	390	
PANAMA AVE	24513	P-24513SBE	5	TPH as Diesel	6700	
PANAMA AVE	24513	P-24513SBE	6.5	TPH as Diesel	9700	Y
PANAMA AVE	24513	P-24513SBE	10	TPH as Diesel	420	
PANAMA AVE	24513	P-24513SBF	0.5	TPH as Diesel	59	
PANAMA AVE	24513	P-24513SBF	2	TPH as Diesel	640	
PANAMA AVE	24513	P-24513SBF	5	TPH as Diesel	20000	Y
PANAMA AVE	24513	P-24513SBF	10	TPH as Diesel	1000	
PANAMA AVE	24513	P-24513SFDA	5	TPH as Diesel	6500	Y
PANAMA AVE	24513	P-24513SFDA	10	TPH as Diesel	80	
PANAMA AVE	24519	P-24519SBB	0.5	TPH as Diesel	11	
PANAMA AVE	24519	P-24519SBB	2	TPH as Diesel	70	
PANAMA AVE	24519	P-24519SBB	4	TPH as Diesel	1900	Y
PANAMA AVE	24519	P-24519SBB	5	TPH as Diesel	21	
PANAMA AVE	24519	P-24519SBB	10	TPH as Diesel	440	
PANAMA AVE	24528	P-24528SFC	0.5	TPH as Diesel	16	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

PANAMA AVE	24528	P-24528SFC	2	TPH as Diesel	52	
PANAMA AVE	24528	P-24528SFC	5	TPH as Diesel	1700	Y
PANAMA AVE	24528	P-24528SFC	10	TPH as Diesel	6.5	
PANAMA AVE	24528	P-24528SFD	0.5	TPH as Diesel	0	
PANAMA AVE	24528	P-24528SFD	2	TPH as Diesel	120	
PANAMA AVE	24528	P-24528SFD	4.5	TPH as Diesel	1700	Y
PANAMA AVE	24528	P-24528SFD	5	TPH as Diesel	260	
PANAMA AVE	24528	P-24528SFD	10	TPH as Diesel	0	
PANAMA AVE	24532	P-24532SFA	0.5	TPH as Diesel	33	
PANAMA AVE	24532	P-24532SFA	2	TPH as Diesel	26	
PANAMA AVE	24532	P-24532SFA	3.5	TPH as Diesel	170	
PANAMA AVE	24532	P-24532SFA	5	TPH as Diesel	1200	
PANAMA AVE	24532	P-24532SFA	7.5	TPH as Diesel	4400	Y
PANAMA AVE	24532	P-24532SFA	10	TPH as Diesel	18	
PANAMA AVE	24532	P-24532SFB	0.5	TPH as Diesel	19	
PANAMA AVE	24532	P-24532SFB	2	TPH as Diesel	63	
PANAMA AVE	24532	P-24532SFB	4	TPH as Diesel	62	
PANAMA AVE	24532	P-24532SFB	5	TPH as Diesel	120	
PANAMA AVE	24532	P-24532SFB	7.5	TPH as Diesel	1700	Y
PANAMA AVE	24532	P-24532SFB	10	TPH as Diesel	14	
PANAMA AVE	24532	P-24532SFC	0.5	TPH as Diesel	33	
PANAMA AVE	24532	P-24532SFC	2	TPH as Diesel	310	
PANAMA AVE	24532	P-24532SFC	4	TPH as Diesel	1800	Y
PANAMA AVE	24532	P-24532SFC	5	TPH as Diesel	220	
PANAMA AVE	24532	P-24532SFC	7.5	TPH as Diesel	1700	Y
PANAMA AVE	24532	P-24532SFC	10	TPH as Diesel	65	
PANAMA AVE	24533	P-24533SFB	0.5	TPH as Diesel	23	
PANAMA AVE	24533	P-24533SFB	2	TPH as Diesel	18	
PANAMA AVE	24533	P-24533SFB	5	TPH as Diesel	2600	Y
PANAMA AVE	24533	P-24533SFB	10	TPH as Diesel	0	
PANAMA AVE	24533	P-24533SFC	0.5	TPH as Diesel	39	
PANAMA AVE	24533	P-24533SFC	2	TPH as Diesel	26	
PANAMA AVE	24533	P-24533SFC	5	TPH as Diesel	1400	Y
PANAMA AVE	24533	P-24533SFC	10	TPH as Diesel	97	
PANAMA AVE	24602	P-24602SF	0.5	TPH as Diesel	210	
PANAMA AVE	24602	P-24602SF	2	TPH as Diesel	92	
PANAMA AVE	24602	P-24602SF	5	TPH as Diesel	1100	Y
PANAMA AVE	24602	P-24602SF	10	TPH as Diesel	0	
PANAMA AVE	24602	P-24602SFA	0.5	TPH as Diesel	68	
PANAMA AVE	24602	P-24602SFA	2	TPH as Diesel	17	
PANAMA AVE	24602	P-24602SFA	5	TPH as Diesel	34	
PANAMA AVE	24602	P-24602SFA	8.5	TPH as Diesel	1500	Y
PANAMA AVE	24602	P-24602SFA	10	TPH as Diesel	39	
PANAMA AVE	24602	P-24602SFB	0.5	TPH as Diesel	190	
PANAMA AVE	24602	P-24602SFB	2	TPH as Diesel	31	
PANAMA AVE	24602	P-24602SFB	5	TPH as Diesel	29	
PANAMA AVE	24602	P-24602SFB	8	TPH as Diesel	7400	Y
PANAMA AVE	24602	P-24602SFB	10	TPH as Diesel	110	
PANAMA AVE	24602	P-24602SFC	0.5	TPH as Diesel	96	
PANAMA AVE	24602	P-24602SFC	2	TPH as Diesel	210	
PANAMA AVE	24602	P-24602SFC	5	TPH as Diesel	27	
PANAMA AVE	24602	P-24602SFC	8	TPH as Diesel	8200	Y
PANAMA AVE	24602	P-24602SFC	10	TPH as Diesel	180	
PANAMA AVE	24602	P-24602SFD	0.5	TPH as Diesel	85	
PANAMA AVE	24602	P-24602SFD	2	TPH as Diesel	72	
PANAMA AVE	24602	P-24602SFD	5	TPH as Diesel	28	
PANAMA AVE	24602	P-24602SFD	7	TPH as Diesel	3000	Y
PANAMA AVE	24602	P-24602SFD	10	TPH as Diesel	76	
PANAMA AVE	24602	P-24602SFE	0.5	TPH as Diesel	1900	Y
PANAMA AVE	24602	P-24602SFE	2	TPH as Diesel	150	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24602	P-24602SFE	5	TPH as Diesel	10	
PANAMA AVE	24602	P-24602SFE	10	TPH as Diesel	6.9	
PANAMA AVE	24603	P-24603SFB	0.5	TPH as Diesel	45	
PANAMA AVE	24603	P-24603SFB	2	TPH as Diesel	36	
PANAMA AVE	24603	P-24603SFB	5	TPH as Diesel	4400	Y
PANAMA AVE	24603	P-24603SFB	10	TPH as Diesel	66	
PANAMA AVE	24608	P-24608SF	0.5	TPH as Diesel	16	
PANAMA AVE	24608	P-24608SF	2	TPH as Diesel	120	
PANAMA AVE	24608	P-24608SF	5	TPH as Diesel	2200	Y
PANAMA AVE	24608	P-24608SF	10	TPH as Diesel	19	
PANAMA AVE	24608	P-24608SFA	0.5	TPH as Diesel	77	
PANAMA AVE	24608	P-24608SFA	2	TPH as Diesel	0	
PANAMA AVE	24608	P-24608SFA	4	TPH as Diesel	2500	
PANAMA AVE	24608	P-24608SFA	5	TPH as Diesel	2700	Y
PANAMA AVE	24608	P-24608SFA	10	TPH as Diesel	160	
PANAMA AVE	24608	P-24608SFB	0.5	TPH as Diesel	80	
PANAMA AVE	24608	P-24608SFB	2	TPH as Diesel	17	
PANAMA AVE	24608	P-24608SFB	3.5	TPH as Diesel	25000	Y
PANAMA AVE	24608	P-24608SFB	5	TPH as Diesel	2900	Y
PANAMA AVE	24608	P-24608SFB	10	TPH as Diesel	22	
PANAMA AVE	24609	P-24609SB	0.5	TPH as Diesel	0	
PANAMA AVE	24609	P-24609SB	2	TPH as Diesel	0	
PANAMA AVE	24609	P-24609SB	5	TPH as Diesel	1000	
PANAMA AVE	24609	P-24609SB	7.5	TPH as Diesel	6300	Y
PANAMA AVE	24609	P-24609SB	10	TPH as Diesel	630	
PANAMA AVE	24609	P-24609SF	0.5	TPH as Diesel	13	
PANAMA AVE	24609	P-24609SF	2	TPH as Diesel	280	
PANAMA AVE	24609	P-24609SF	3	TPH as Diesel	2300	Y
PANAMA AVE	24609	P-24609SF	5	TPH as Diesel	0	
PANAMA AVE	24609	P-24609SF	10	TPH as Diesel	0	
PANAMA AVE	24609	P-24609SFA	0.5	TPH as Diesel	40	
PANAMA AVE	24609	P-24609SFA	2	TPH as Diesel	160	
PANAMA AVE	24609	P-24609SFA	5	TPH as Diesel	6800	Y
PANAMA AVE	24609	P-24609SFA	10	TPH as Diesel	280	
PANAMA AVE	24609	P-24609SFB	0.5	TPH as Diesel	2100	Y
PANAMA AVE	24609	P-24609SFB	2	TPH as Diesel	38	
PANAMA AVE	24609	P-24609SFB	3	TPH as Diesel	530	
PANAMA AVE	24609	P-24609SFB	5	TPH as Diesel	1100	Y
PANAMA AVE	24609	P-24609SFB	10	TPH as Diesel	43	
PANAMA AVE	24612	P-24612SFD	0.5	TPH as Diesel	17	
PANAMA AVE	24612	P-24612SFD	2	TPH as Diesel	0	
PANAMA AVE	24612	P-24612SFD	3.5	TPH as Diesel	6400	Y
PANAMA AVE	24612	P-24612SFD	5	TPH as Diesel	920	
PANAMA AVE	24612	P-24612SFD	8	TPH as Diesel	3900	Y
PANAMA AVE	24612	P-24612SFD	10	TPH as Diesel	590	
PANAMA AVE	24613	P-24613SBB	0.5	TPH as Diesel	0	
PANAMA AVE	24613	P-24613SBB	2	TPH as Diesel	1300	
PANAMA AVE	24613	P-24613SBB	5	TPH as Diesel	2300	
PANAMA AVE	24613	P-24613SBB	7	TPH as Diesel	1800	Y
PANAMA AVE	24613	P-24613SBB	10	TPH as Diesel	290	
PANAMA AVE	24613	P-24613SFD	0.5	TPH as Diesel	0	
PANAMA AVE	24613	P-24613SFD	2	TPH as Diesel	84	
PANAMA AVE	24613	P-24613SFD	5	TPH as Diesel	1400	Y
PANAMA AVE	24613	P-24613SFD	10	TPH as Diesel	120	
PANAMA AVE	24613	P-24613SBD	-0.5	TPH as Diesel	0	
PANAMA AVE	24613	P-24613SBD	0.5	TPH as Diesel	25	
PANAMA AVE	24613	P-24613SBD	2	TPH as Diesel	8	
PANAMA AVE	24613	P-24613SBD	3.5	TPH as Diesel	1700	Y
PANAMA AVE	24613	P-24613SBD	5	TPH as Diesel	220	
PANAMA AVE	24613	P-24613SBD	6	TPH as Diesel	1100	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

PANAMA AVE	24613	P-24613SBD	7	TPH as Diesel	2500	
PANAMA AVE	24613	P-24613SBD	8	TPH as Diesel	3700	Y
PANAMA AVE	24613	P-24613SBD	9	TPH as Diesel	590	
PANAMA AVE	24613	P-24613SBD	10	TPH as Diesel	180	
PANAMA AVE	24613	P-24613SBE	3.5	TPH as Diesel	41000	Y
PANAMA AVE	24613	P-24613SBE	5	TPH as Diesel	2400	
PANAMA AVE	24613	P-24613SBE	6	TPH as Diesel	5100	
PANAMA AVE	24613	P-24613SBE	7	TPH as Diesel	4600	
PANAMA AVE	24613	P-24613SBE	8	TPH as Diesel	7900	
PANAMA AVE	24613	P-24613SBE	9	TPH as Diesel	1800	
PANAMA AVE	24613	P-24613SBE	10	TPH as Diesel	1100	
PANAMA AVE	24618	P-24618SFA	0.5	TPH as Diesel	59	
PANAMA AVE	24618	P-24618SFA	2	TPH as Diesel	6500	Y
PANAMA AVE	24618	P-24618SFA	5	TPH as Diesel	800	
PANAMA AVE	24618	P-24618SFA	10	TPH as Diesel	1500	
PANAMA AVE	24618	P-24618SFCA	6	TPH as Diesel	4400	Y
PANAMA AVE	24618	P-24618SFCA	8	TPH as Diesel	510	
PANAMA AVE	24619	P-24619SB	0.5	TPH as Diesel	1100	Y
PANAMA AVE	24619	P-24619SB	2	TPH as Diesel	160	
PANAMA AVE	24619	P-24619SB	5	TPH as Diesel	82	
PANAMA AVE	24619	P-24619SB	7	TPH as Diesel	5100	
PANAMA AVE	24619	P-24619SB	10	TPH as Diesel	7500	
PANAMA AVE	24619	P-24619SF	-0.5	TPH as Diesel	48	
PANAMA AVE	24619	P-24619SF	0.5	TPH as Diesel	110	
PANAMA AVE	24619	P-24619SF	2	TPH as Diesel	28	
PANAMA AVE	24619	P-24619SF	5	TPH as Diesel	1400	Y
PANAMA AVE	24619	P-24619SF	10	TPH as Diesel	21	
PANAMA AVE	24619	P-24619SFB	-1	TPH as Diesel	140	
PANAMA AVE	24619	P-24619SFB	0.5	TPH as Diesel	120	
PANAMA AVE	24619	P-24619SFB	2.5	TPH as Diesel	17	
PANAMA AVE	24619	P-24619SFB	5	TPH as Diesel	3600	Y
PANAMA AVE	24619	P-24619SFB	10	TPH as Diesel	49	
PANAMA AVE	24619	P-24619SFCA	3	TPH as Diesel	50	
PANAMA AVE	24619	P-24619SFCA	5	TPH as Diesel	1800	Y
PANAMA AVE	24619	P-24619SFCA	10	TPH as Diesel	12	
PANAMA AVE	24619	P-24619SFD	-1	TPH as Diesel	66	
PANAMA AVE	24619	P-24619SFD	0.5	TPH as Diesel	68	
PANAMA AVE	24619	P-24619SFD	2	TPH as Diesel	92	
PANAMA AVE	24619	P-24619SFD	3.5	TPH as Diesel	2800	
PANAMA AVE	24619	P-24619SFD	5	TPH as Diesel	9800	Y
PANAMA AVE	24619	P-24619SFD	10	TPH as Diesel	32	
PANAMA AVE	24702	P-24702SFA	0.5	TPH as Diesel	170	
PANAMA AVE	24702	P-24702SFA	2	TPH as Diesel	170	
PANAMA AVE	24702	P-24702SFA	3.5	TPH as Diesel	4700	
PANAMA AVE	24702	P-24702SFA	5	TPH as Diesel	2500	Y
PANAMA AVE	24702	P-24702SFA	10	TPH as Diesel	330	
PANAMA AVE	24702	P-24702SFB	0.5	TPH as Diesel	180	
PANAMA AVE	24702	P-24702SFB	2	TPH as Diesel	180	
PANAMA AVE	24702	P-24702SFB	3	TPH as Diesel	2700	Y
PANAMA AVE	24702	P-24702SFB	5	TPH as Diesel	42	
PANAMA AVE	24708	P-24708SBA	0.5	TPH as Diesel	550	
PANAMA AVE	24708	P-24708SBA	2	TPH as Diesel	3000	Y
PANAMA AVE	24708	P-24708SBA	5	TPH as Diesel	19	
PANAMA AVE	24708	P-24708SBA	10	TPH as Diesel	8.9	
PANAMA AVE	24708	P-24708SBC	0.5	TPH as Diesel	720	
PANAMA AVE	24708	P-24708SBC	2	TPH as Diesel	1100	
PANAMA AVE	24708	P-24708SBC	2.5	TPH as Diesel	1400	Y
PANAMA AVE	24708	P-24708SBC	5	TPH as Diesel	0	
PANAMA AVE	24708	P-24708SBC	10	TPH as Diesel	38	
PANAMA AVE	24708	P-24708SFA	0.5	TPH as Diesel	290	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24708	P-24708SFA	2	TPH as Diesel	1300	Y
PANAMA AVE	24708	P-24708SFA	5	TPH as Diesel	220	
PANAMA AVE	24708	P-24708SFA	8	TPH as Diesel	5700	Y
PANAMA AVE	24708	P-24708SFA	10	TPH as Diesel	200	
PANAMA AVE	24708	P-24708SFB	0.5	TPH as Diesel	380	
PANAMA AVE	24708	P-24708SFB	2	TPH as Diesel	540	
PANAMA AVE	24708	P-24708SFB	5	TPH as Diesel	17	
PANAMA AVE	24708	P-24708SFB	6	TPH as Diesel	2400	Y
PANAMA AVE	24708	P-24708SFB	10	TPH as Diesel	40	
PANAMA AVE	24709	P-24709SB	0.5	TPH as Diesel	290	
PANAMA AVE	24709	P-24709SB	2	TPH as Diesel	42	
PANAMA AVE	24709	P-24709SB	4	TPH as Diesel	2100	Y
PANAMA AVE	24709	P-24709SB	5	TPH as Diesel	24	
PANAMA AVE	24709	P-24709SB	7	TPH as Diesel	24000	
PANAMA AVE	24709	P-24709SB	10	TPH as Diesel	5800	
PANAMA AVE	24709	P-24709SF	0.5	TPH as Diesel	190	
PANAMA AVE	24709	P-24709SF	2	TPH as Diesel	73	
PANAMA AVE	24709	P-24709SF	5	TPH as Diesel	5200	Y
PANAMA AVE	24709	P-24709SF	10	TPH as Diesel	550	
PANAMA AVE	24709	P-24709SBA	0.5	TPH as Diesel	16	
PANAMA AVE	24709	P-24709SBA	2	TPH as Diesel	69	
PANAMA AVE	24709	P-24709SBA	5	TPH as Diesel	81	
PANAMA AVE	24709	P-24709SBA	6.5	TPH as Diesel	7800	
PANAMA AVE	24709	P-24709SBA	7	TPH as Diesel	33000	Y
PANAMA AVE	24709	P-24709SBA	10	TPH as Diesel	65	
PANAMA AVE	24709	P-24709SFC	0.5	TPH as Diesel	73	
PANAMA AVE	24709	P-24709SFC	2	TPH as Diesel	96	
PANAMA AVE	24709	P-24709SFC	4	TPH as Diesel	120	
PANAMA AVE	24709	P-24709SFC	5	TPH as Diesel	3700	Y
PANAMA AVE	24709	P-24709SFC	10	TPH as Diesel	720	
PANAMA AVE	24709	P-24709SFD	0.5	TPH as Diesel	0	
PANAMA AVE	24709	P-24709SFD	2	TPH as Diesel	23	
PANAMA AVE	24709	P-24709SFD	4	TPH as Diesel	1900	Y
PANAMA AVE	24709	P-24709SFD	5	TPH as Diesel	120	
PANAMA AVE	24709	P-24709SFD	6	TPH as Diesel	14000	
PANAMA AVE	24709	P-24709SFD	6.5	TPH as Diesel	17000	Y
PANAMA AVE	24709	P-24709SFD	10	TPH as Diesel	660	
PANAMA AVE	24712	P-24712SB	1	TPH as Diesel	29	
PANAMA AVE	24712	P-24712SB	2	TPH as Diesel	1800	Y
PANAMA AVE	24712	P-24712SB	5	TPH as Diesel	67	
PANAMA AVE	24712	P-24712SB	10	TPH as Diesel	140	
PANAMA AVE	24712	P-24712SF	0.5	TPH as Diesel	39	
PANAMA AVE	24712	P-24712SF	2	TPH as Diesel	830	
PANAMA AVE	24712	P-24712SF	5	TPH as Diesel	5600	
PANAMA AVE	24712	P-24712SF	7	TPH as Diesel	2400	Y
PANAMA AVE	24712	P-24712SF	10	TPH as Diesel	0	
PANAMA AVE	24712	P-24712SFA	0.5	TPH as Diesel	50	
PANAMA AVE	24712	P-24712SFA	2	TPH as Diesel	360	
PANAMA AVE	24712	P-24712SFA	5	TPH as Diesel	2300	Y
PANAMA AVE	24712	P-24712SFA	10	TPH as Diesel	21	
PANAMA AVE	24712	P-24712SFB	0.5	TPH as Diesel	75	
PANAMA AVE	24712	P-24712SFB	2	TPH as Diesel	500	
PANAMA AVE	24712	P-24712SFB	3.5	TPH as Diesel	1500	
PANAMA AVE	24712	P-24712SFB	5	TPH as Diesel	5400	Y
PANAMA AVE	24712	P-24712SFB	10	TPH as Diesel	80	
PANAMA AVE	24713	P-24713SBA	0.5	TPH as Diesel	32	
PANAMA AVE	24713	P-24713SBA	2	TPH as Diesel	23	
PANAMA AVE	24713	P-24713SBA	5	TPH as Diesel	1000	Y
PANAMA AVE	24713	P-24713SBA	10	TPH as Diesel	19	
PANAMA AVE	24713	P-24713SFA	0.5	TPH as Diesel	26	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24713	P-24713SFA	2	TPH as Diesel	14	
PANAMA AVE	24713	P-24713SFA	4	TPH as Diesel	6300	Y
PANAMA AVE	24713	P-24713SFA	5	TPH as Diesel	290	
PANAMA AVE	24713	P-24713SFA	9	TPH as Diesel	12000	Y
PANAMA AVE	24713	P-24713SFA	10	TPH as Diesel	500	
PANAMA AVE	24713	P-24713SFD	0.5	TPH as Diesel	14	
PANAMA AVE	24713	P-24713SFD	2	TPH as Diesel	250	
PANAMA AVE	24713	P-24713SFD	4	TPH as Diesel	1000	
PANAMA AVE	24713	P-24713SFD	5	TPH as Diesel	4100	Y
PANAMA AVE	24713	P-24713SFD	10	TPH as Diesel	690	
PANAMA AVE	24718	P-24718SBC	0.5	TPH as Diesel	56	
PANAMA AVE	24718	P-24718SBC	2	TPH as Diesel	69	
PANAMA AVE	24718	P-24718SBC	3.5	TPH as Diesel	16000	Y
PANAMA AVE	24718	P-24718SBC	5	TPH as Diesel	180	
PANAMA AVE	24718	P-24718SBC	10	TPH as Diesel	150	
PANAMA AVE	24718	P-24718SFC	0.5	TPH as Diesel	140	
PANAMA AVE	24718	P-24718SFC	2	TPH as Diesel	260	
PANAMA AVE	24718	P-24718SFC	3.5	TPH as Diesel	4200	Y
PANAMA AVE	24718	P-24718SFC	5	TPH as Diesel	56	
PANAMA AVE	24718	P-24718SFC	10	TPH as Diesel	57	
PANAMA AVE	24719	P-24719SBB	0.5	TPH as Diesel	20	
PANAMA AVE	24719	P-24719SBB	2	TPH as Diesel	9.9	
PANAMA AVE	24719	P-24719SBB	5	TPH as Diesel	1000	Y
PANAMA AVE	24719	P-24719SBB	10	TPH as Diesel	40	
PANAMA AVE	24719	P-24719SBC	0.5	TPH as Diesel	150	
PANAMA AVE	24719	P-24719SBC	2	TPH as Diesel	260	
PANAMA AVE	24719	P-24719SBC	5	TPH as Diesel	2700	Y
PANAMA AVE	24719	P-24719SBC	10	TPH as Diesel	150	
PANAMA AVE	24719	P-24719SFA	0.5	TPH as Diesel	250	
PANAMA AVE	24719	P-24719SFA	2	TPH as Diesel	36	
PANAMA AVE	24719	P-24719SFA	5	TPH as Diesel	100	
PANAMA AVE	24719	P-24719SFA	5.5	TPH as Diesel	1000	
PANAMA AVE	24719	P-24719SFA	8.5	TPH as Diesel	19000	Y
PANAMA AVE	24719	P-24719SFA	10	TPH as Diesel	24	
PANAMA AVE	24719	P-24719SFC	0.5	TPH as Diesel	13	
PANAMA AVE	24719	P-24719SFC	2	TPH as Diesel	11	
PANAMA AVE	24719	P-24719SFC	4	TPH as Diesel	2400	
PANAMA AVE	24719	P-24719SFC	5	TPH as Diesel	5000	Y
PANAMA AVE	24719	P-24719SFC	10	TPH as Diesel	790	
PANAMA AVE	24722	P-24722SFA	0.5	TPH as Diesel	0	
PANAMA AVE	24722	P-24722SFA	2	TPH as Diesel	210	
PANAMA AVE	24722	P-24722SFA	4	TPH as Diesel	3000	Y
PANAMA AVE	24722	P-24722SFA	5	TPH as Diesel	560	
PANAMA AVE	24722	P-24722SFA	10	TPH as Diesel	480	
PANAMA AVE	24728	P-24728SBA	0.5	TPH as Diesel	81	
PANAMA AVE	24728	P-24728SBA	2	TPH as Diesel	47	
PANAMA AVE	24728	P-24728SBA	3	TPH as Diesel	12000	Y
PANAMA AVE	24728	P-24728SBA	5	TPH as Diesel	640	
PANAMA AVE	24728	P-24728SBA	10	TPH as Diesel	170	
PANAMA AVE	24728	P-24728SBB	0.5	TPH as Diesel	94	
PANAMA AVE	24728	P-24728SBB	2	TPH as Diesel	790	
PANAMA AVE	24728	P-24728SBB	3	TPH as Diesel	8400	
PANAMA AVE	24728	P-24728SBB	3.5	TPH as Diesel	62000	Y
PANAMA AVE	24728	P-24728SBB	5	TPH as Diesel	150	
PANAMA AVE	24728	P-24728SBB	10	TPH as Diesel	1500	
PANAMA AVE	24728	P-24728SBC	0.5	TPH as Diesel	180	
PANAMA AVE	24728	P-24728SBC	2	TPH as Diesel	160	
PANAMA AVE	24728	P-24728SBC	3	TPH as Diesel	27000	Y
PANAMA AVE	24728	P-24728SBC	5	TPH as Diesel	980	
PANAMA AVE	24728	P-24728SBC	10	TPH as Diesel	37	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24728	P-24728SFA	0.5	TPH as Diesel	140	
PANAMA AVE	24728	P-24728SFA	2	TPH as Diesel	0	
PANAMA AVE	24728	P-24728SFA	3	TPH as Diesel	15000	Y
PANAMA AVE	24728	P-24728SFA	3.5	TPH as Diesel	1700	Y
PANAMA AVE	24728	P-24728SFA	5	TPH as Diesel	0	
PANAMA AVE	24728	P-24728SFA	10	TPH as Diesel	18	
PANAMA AVE	24732	P-24732SBB	0.5	TPH as Diesel	86	
PANAMA AVE	24732	P-24732SBB	2	TPH as Diesel	1700	Y
PANAMA AVE	24732	P-24732SBB	5	TPH as Diesel	0	
PANAMA AVE	24732	P-24732SBB	10	TPH as Diesel	0	
PANAMA AVE	24733	P-24733SBC	0.5	TPH as Diesel	45	
PANAMA AVE	24733	P-24733SBC	2	TPH as Diesel	2200	Y
PANAMA AVE	24733	P-24733SBC	5	TPH as Diesel	54	
PANAMA AVE	24733	P-24733SBC	10	TPH as Diesel	0	
PANAMA AVE	24733	P-24733SFA	0.5	TPH as Diesel	130	
PANAMA AVE	24733	P-24733SFA	2	TPH as Diesel	360	
PANAMA AVE	24733	P-24733SFA	3	TPH as Diesel	1600	Y
PANAMA AVE	24733	P-24733SFA	5	TPH as Diesel	290	
PANAMA AVE	24733	P-24733SFA	10	TPH as Diesel	110	
PANAMA AVE	24733	P-24733SFE	0.5	TPH as Diesel	110	
PANAMA AVE	24733	P-24733SFE	2	TPH as Diesel	390	
PANAMA AVE	24733	P-24733SFE	4	TPH as Diesel	2000	Y
PANAMA AVE	24733	P-24733SFE	5	TPH as Diesel	10	
PANAMA AVE	24733	P-24733SFE	10	TPH as Diesel	22	
PANAMA AVE	24733	P-24733SFF	0.5	TPH as Diesel	29	
PANAMA AVE	24733	P-24733SFF	2	TPH as Diesel	2000	Y
PANAMA AVE	24733	P-24733SFF	5	TPH as Diesel	16	
PANAMA AVE	24733	P-24733SFF	10	TPH as Diesel	5.2	
PANAMA AVE	24738	P-24738SBB	0.5	TPH as Diesel	84	
PANAMA AVE	24738	P-24738SBB	2	TPH as Diesel	1800	Y
PANAMA AVE	24738	P-24738SBB	5	TPH as Diesel	0	
PANAMA AVE	24738	P-24738SBB	10	TPH as Diesel	0	
PANAMA AVE	24738	P-24738SFA	0.5	TPH as Diesel	110	
PANAMA AVE	24738	P-24738SFA	2	TPH as Diesel	110	
PANAMA AVE	24738	P-24738SFA	3	TPH as Diesel	4400	Y
PANAMA AVE	24738	P-24738SFA	5	TPH as Diesel	87	
PANAMA AVE	24738	P-24738SFA	10	TPH as Diesel	0	
PANAMA AVE	24738	P-24738SFB	0.5	TPH as Diesel	74	
PANAMA AVE	24738	P-24738SFB	2	TPH as Diesel	23	
PANAMA AVE	24738	P-24738SFB	4	TPH as Diesel	2800	
PANAMA AVE	24738	P-24738SFB	5	TPH as Diesel	4800	Y
PANAMA AVE	24738	P-24738SFB	10	TPH as Diesel	110	
PANAMA AVE	24738	P-24738SFC	0.5	TPH as Diesel	130	
PANAMA AVE	24738	P-24738SFC	2	TPH as Diesel	230	
PANAMA AVE	24738	P-24738SFC	3.5	TPH as Diesel	1400	
PANAMA AVE	24738	P-24738SFC	5	TPH as Diesel	4100	Y
PANAMA AVE	24738	P-24738SFC	10	TPH as Diesel	110	
PANAMA AVE	24738	P-24738SFD	0.5	TPH as Diesel	290	
PANAMA AVE	24738	P-24738SFD	2	TPH as Diesel	56	
PANAMA AVE	24738	P-24738SFD	3	TPH as Diesel	3900	Y
PANAMA AVE	24738	P-24738SFD	5	TPH as Diesel	700	
PANAMA AVE	24738	P-24738SFD	10	TPH as Diesel	20	
PANAMA AVE	24739	P-24739SF	0.5	TPH as Diesel	2200	Y
PANAMA AVE	24739	P-24739SF	2	TPH as Diesel	350	
PANAMA AVE	24739	P-24739SF	5	TPH as Diesel	32	
PANAMA AVE	24739	P-24739SF	10	TPH as Diesel	99	
PANAMA AVE	24739	P-24739SBA	0.5	TPH as Diesel	130	
PANAMA AVE	24739	P-24739SBA	2	TPH as Diesel	310	
PANAMA AVE	24739	P-24739SBA	3	TPH as Diesel	13000	
PANAMA AVE	24739	P-24739SBA	5	TPH as Diesel	5200	Y

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

PANAMA AVE	24739	P-24739SBA	10	TPH as Diesel	570	
PANAMA AVE	24739	P-24739SBD	0.5	TPH as Diesel	300	
PANAMA AVE	24739	P-24739SBD	2	TPH as Diesel	17000	Y
PANAMA AVE	24739	P-24739SBD	5	TPH as Diesel	68	
PANAMA AVE	24739	P-24739SBD	10	TPH as Diesel	190	
PANAMA AVE	24739	P-24739SFC	-0.5	TPH as Diesel	14	
PANAMA AVE	24739	P-24739SFC	0.5	TPH as Diesel	7.2	
PANAMA AVE	24739	P-24739SFC	2	TPH as Diesel	2500	Y
PANAMA AVE	24739	P-24739SFC	5	TPH as Diesel	17	
PANAMA AVE	24739	P-24739SFC	10	TPH as Diesel	0	
PANAMA AVE	24739	P-24739SFD	-0.5	TPH as Diesel	7.5	
PANAMA AVE	24739	P-24739SFD	0.5	TPH as Diesel	210	
PANAMA AVE	24739	P-24739SFD	2	TPH as Diesel	8400	Y
PANAMA AVE	24739	P-24739SFD	5	TPH as Diesel	140	
PANAMA AVE	24739	P-24739SFD	10	TPH as Diesel	100	
PANAMA AVE	24802	P-24802SB	0.5	TPH as Diesel	1500	
PANAMA AVE	24802	P-24802SB	2	TPH as Diesel	2900	Y
PANAMA AVE	24802	P-24802SB	5	TPH as Diesel	0	
PANAMA AVE	24802	P-24802SB	10	TPH as Diesel	0	
PANAMA AVE	24802	P-24802SBC	0.5	TPH as Diesel	72	
PANAMA AVE	24802	P-24802SBC	2	TPH as Diesel	1100	Y
PANAMA AVE	24802	P-24802SBC	5	TPH as Diesel	8.3	
PANAMA AVE	24802	P-24802SBC	10	TPH as Diesel	14	
PANAMA AVE	24802	P-24802SBD	0.5	TPH as Diesel	12	
PANAMA AVE	24802	P-24802SBD	2	TPH as Diesel	1100	
PANAMA AVE	24802	P-24802SBD	2.5	TPH as Diesel	4400	Y
PANAMA AVE	24802	P-24802SBD	5	TPH as Diesel	20	
PANAMA AVE	24802	P-24802SBD	10	TPH as Diesel	8.6	
PANAMA AVE	24802	P-24802SBE	0.5	TPH as Diesel	690	
PANAMA AVE	24802	P-24802SBE	2	TPH as Diesel	3100	Y
PANAMA AVE	24802	P-24802SBE	5	TPH as Diesel	5.5	
PANAMA AVE	24802	P-24802SBE	10	TPH as Diesel	0	
PANAMA AVE	24803	P-24803SFB	0.5	TPH as Diesel	300	
PANAMA AVE	24803	P-24803SFB	2	TPH as Diesel	4500	
PANAMA AVE	24803	P-24803SFB	2.5	TPH as Diesel	1000	Y
PANAMA AVE	24803	P-24803SFB	5	TPH as Diesel	0	
PANAMA AVE	24803	P-24803SFB	10	TPH as Diesel	93	
PANAMA AVE	24809	P-24809SF	0.5	TPH as Diesel	0	
PANAMA AVE	24809	P-24809SF	2	TPH as Diesel	1200	
PANAMA AVE	24809	P-24809SF	5	TPH as Diesel	6300	Y
PANAMA AVE	24809	P-24809SF	10	TPH as Diesel	570	
PANAMA AVE	24809	P-24809SBA	0.5	TPH as Diesel	41	
PANAMA AVE	24809	P-24809SBA	2	TPH as Diesel	57	
PANAMA AVE	24809	P-24809SBA	3.5	TPH as Diesel	1300	Y
PANAMA AVE	24809	P-24809SBA	5	TPH as Diesel	160	
PANAMA AVE	24809	P-24809SBA	10	TPH as Diesel	2100	
PANAMA AVE	24809	P-24809SBB	0.5	TPH as Diesel	49	
PANAMA AVE	24809	P-24809SBB	2	TPH as Diesel	110	
PANAMA AVE	24809	P-24809SBB	3.5	TPH as Diesel	1100	
PANAMA AVE	24809	P-24809SBB	5	TPH as Diesel	7000	Y
PANAMA AVE	24809	P-24809SBB	10	TPH as Diesel	760	
PANAMA AVE	24809	P-24809SFB	0.5	TPH as Diesel	200	
PANAMA AVE	24809	P-24809SFB	2	TPH as Diesel	1200	
PANAMA AVE	24809	P-24809SFB	3.5	TPH as Diesel	1400	
PANAMA AVE	24809	P-24809SFB	5	TPH as Diesel	11000	Y
PANAMA AVE	24809	P-24809SFB	10	TPH as Diesel	100	
PANAMA AVE	24809	P-24809SFD	0.5	TPH as Diesel	400	
PANAMA AVE	24809	P-24809SFD	2	TPH as Diesel	370	
PANAMA AVE	24809	P-24809SFD	5	TPH as Diesel	13000	Y
PANAMA AVE	24809	P-24809SFD	10	TPH as Diesel	1200	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24812	P-24812SB	0.5	TPH as Diesel	59	
PANAMA AVE	24812	P-24812SB	2	TPH as Diesel	1400	Y
PANAMA AVE	24812	P-24812SB	5	TPH as Diesel	0	
PANAMA AVE	24812	P-24812SB	10	TPH as Diesel	27	
PANAMA AVE	24812	P-24812SBB	0.5	TPH as Diesel	47	
PANAMA AVE	24812	P-24812SBB	2	TPH as Diesel	1400	Y
PANAMA AVE	24812	P-24812SBB	5	TPH as Diesel	0	
PANAMA AVE	24812	P-24812SBB	10	TPH as Diesel	0	
PANAMA AVE	24812	P-24812SFC	0.5	TPH as Diesel	5.6	
PANAMA AVE	24812	P-24812SFC	2	TPH as Diesel	1300	Y
PANAMA AVE	24812	P-24812SFC	3	TPH as Diesel	6.2	
PANAMA AVE	24812	P-24812SFC	5	TPH as Diesel	0	
PANAMA AVE	24812	P-24812SFC	10	TPH as Diesel	0	
PANAMA AVE	24813	P-24813SFC	0.5	TPH as Diesel	120	
PANAMA AVE	24813	P-24813SFC	2	TPH as Diesel	580	
PANAMA AVE	24813	P-24813SFC	4	TPH as Diesel	9700	Y
PANAMA AVE	24813	P-24813SFC	5	TPH as Diesel	530	
PANAMA AVE	24813	P-24813SFC	10	TPH as Diesel	12000	
PANAMA AVE	24818	P-24818SBA	0.5	TPH as Diesel	37	
PANAMA AVE	24818	P-24818SBA	2	TPH as Diesel	500	
PANAMA AVE	24818	P-24818SBA	2.5	TPH as Diesel	670	
PANAMA AVE	24818	P-24818SBA	2.75	TPH as Diesel	37000	Y
PANAMA AVE	24818	P-24818SBA	5	TPH as Diesel	0	
PANAMA AVE	24818	P-24818SBB	0.5	TPH as Diesel	140	
PANAMA AVE	24818	P-24818SBB	2	TPH as Diesel	22000	Y
PANAMA AVE	24818	P-24818SBB	5	TPH as Diesel	36	
PANAMA AVE	24818	P-24818SBB	10	TPH as Diesel	32	
PANAMA AVE	24818	P-24818SBC	0.5	TPH as Diesel	2100	
PANAMA AVE	24818	P-24818SBC	2	TPH as Diesel	1400	Y
PANAMA AVE	24818	P-24818SBC	5	TPH as Diesel	0	
PANAMA AVE	24818	P-24818SBC	10	TPH as Diesel	0	
PANAMA AVE	24818	P-24818SFD	0.5	TPH as Diesel	17	
PANAMA AVE	24818	P-24818SFD	2	TPH as Diesel	1200	Y
PANAMA AVE	24818	P-24818SFD	5	TPH as Diesel	0	
PANAMA AVE	24818	P-24818SFD	10	TPH as Diesel	0	
PANAMA AVE	24818	P-24818SFE	0.5	TPH as Diesel	81	
PANAMA AVE	24818	P-24818SFE	2	TPH as Diesel	61	
PANAMA AVE	24818	P-24818SFE	2.5	TPH as Diesel	1100	Y
PANAMA AVE	24818	P-24818SFE	5	TPH as Diesel	0	
PANAMA AVE	24818	P-24818SFE	10	TPH as Diesel	0	
PANAMA AVE	24819	P-24819SFC	0.5	TPH as Diesel	160	
PANAMA AVE	24819	P-24819SFC	2	TPH as Diesel	110	
PANAMA AVE	24819	P-24819SFC	3.5	TPH as Diesel	1800	
PANAMA AVE	24819	P-24819SFC	5	TPH as Diesel	8300	Y
PANAMA AVE	24819	P-24819SFC	10	TPH as Diesel	110	
PANAMA AVE	24822	P-24822SBA	0.5	TPH as Diesel	70	
PANAMA AVE	24822	P-24822SBA	2	TPH as Diesel	1100	Y
PANAMA AVE	24822	P-24822SBA	5	TPH as Diesel	17	
PANAMA AVE	24822	P-24822SBA	10	TPH as Diesel	6.8	
PANAMA AVE	24822	P-24822SBB	0.5	TPH as Diesel	200	
PANAMA AVE	24822	P-24822SBB	2	TPH as Diesel	570	
PANAMA AVE	24822	P-24822SBB	2.5	TPH as Diesel	7200	Y
PANAMA AVE	24822	P-24822SBB	5	TPH as Diesel	0	
PANAMA AVE	24822	P-24822SBB	10	TPH as Diesel	0	
PANAMA AVE	24822	P-24822SBE	0.5	TPH as Diesel	1800	Y
PANAMA AVE	24822	P-24822SBE	2	TPH as Diesel	330	
PANAMA AVE	24822	P-24822SBE	3.5	TPH as Diesel	49000	Y
PANAMA AVE	24822	P-24822SBE	5	TPH as Diesel	1300	Y
PANAMA AVE	24822	P-24822SBE	10	TPH as Diesel	0	
PANAMA AVE	24822	P-24822SFE	0.5	TPH as Diesel	95	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24822	P-24822SFE	2	TPH as Diesel	39	
PANAMA AVE	24822	P-24822SFE	3.5	TPH as Diesel	4500	Y
PANAMA AVE	24822	P-24822SFE	5	TPH as Diesel	190	
PANAMA AVE	24822	P-24822SFE	10	TPH as Diesel	30	
PANAMA AVE	24823	P-24823SB	0.5	TPH as Diesel	37	
PANAMA AVE	24823	P-24823SB	2	TPH as Diesel	1300	Y
PANAMA AVE	24823	P-24823SB	5	TPH as Diesel	7.3	
PANAMA AVE	24823	P-24823SB	10	TPH as Diesel	1200	
PANAMA AVE	24823	P-24823SF	0.5	TPH as Diesel	15	
PANAMA AVE	24823	P-24823SF	2	TPH as Diesel	3900	Y
PANAMA AVE	24823	P-24823SF	5	TPH as Diesel	260	
PANAMA AVE	24823	P-24823SF	10	TPH as Diesel	1500	
PANAMA AVE	24823	P-24823SBA	0.5	TPH as Diesel	420	
PANAMA AVE	24823	P-24823SBA	2	TPH as Diesel	37	
PANAMA AVE	24823	P-24823SBA	4	TPH as Diesel	1100	Y
PANAMA AVE	24823	P-24823SBA	5	TPH as Diesel	130	
PANAMA AVE	24823	P-24823SBA	10	TPH as Diesel	520	
PANAMA AVE	24823	P-24823SFBA	3.5	TPH as Diesel	11000	Y
PANAMA AVE	24823	P-24823SFBA	5	TPH as Diesel	1500	
PANAMA AVE	24823	P-24823SFBA	10	TPH as Diesel	16000	
PANAMA AVE	24823	P-24823SFC	0.5	TPH as Diesel	95	
PANAMA AVE	24823	P-24823SFC	2	TPH as Diesel	290	
PANAMA AVE	24823	P-24823SFC	3	TPH as Diesel	3900	Y
PANAMA AVE	24823	P-24823SFC	5	TPH as Diesel	86	
PANAMA AVE	24823	P-24823SFC	10	TPH as Diesel	3900	
PANAMA AVE	24828	P-24828SBB	0.5	TPH as Diesel	31	
PANAMA AVE	24828	P-24828SBB	2	TPH as Diesel	140	
PANAMA AVE	24828	P-24828SBB	3	TPH as Diesel	1000	Y
PANAMA AVE	24828	P-24828SBB	5	TPH as Diesel	0	
PANAMA AVE	24828	P-24828SBB	10	TPH as Diesel	0	
PANAMA AVE	24828	P-24828SBD	0.5	TPH as Diesel	7.2	
PANAMA AVE	24828	P-24828SBD	2	TPH as Diesel	230	
PANAMA AVE	24828	P-24828SBD	3.5	TPH as Diesel	24000	Y
PANAMA AVE	24828	P-24828SBD	5	TPH as Diesel	56	
PANAMA AVE	24828	P-24828SBD	10	TPH as Diesel	18	
PANAMA AVE	24828	P-24828SFD	0.5	TPH as Diesel	360	
PANAMA AVE	24828	P-24828SFD	2	TPH as Diesel	500	
PANAMA AVE	24828	P-24828SFD	4	TPH as Diesel	91000	Y
PANAMA AVE	24828	P-24828SFD	5	TPH as Diesel	280	
PANAMA AVE	24828	P-24828SFD	10	TPH as Diesel	0	
PANAMA AVE	24829	P-24829SBB	0.5	TPH as Diesel	280	
PANAMA AVE	24829	P-24829SBB	2	TPH as Diesel	1000	Y
PANAMA AVE	24829	P-24829SBB	4	TPH as Diesel	47	
PANAMA AVE	24829	P-24829SFC	0.5	TPH as Diesel	67	
PANAMA AVE	24829	P-24829SFC	2	TPH as Diesel	28	
PANAMA AVE	24829	P-24829SFC	5	TPH as Diesel	1800	Y
PANAMA AVE	24829	P-24829SFC	10	TPH as Diesel	57	
PANAMA AVE	24832	P-24832SBFB	2	TPH as Diesel	55	
PANAMA AVE	24832	P-24832SBFB	5	TPH as Diesel	3300	Y
PANAMA AVE	24832	P-24832SBFB	10	TPH as Diesel	30	
PANAMA AVE	24833	P-24833SBB	0.5	TPH as Diesel	5.4	
PANAMA AVE	24833	P-24833SBB	2	TPH as Diesel	1500	Y
PANAMA AVE	24833	P-24833SBB	5	TPH as Diesel	150	
PANAMA AVE	24833	P-24833SBB	6.5	TPH as Diesel	1600	
PANAMA AVE	24833	P-24833SBB	10	TPH as Diesel	1500	
PANAMA AVE	24833	P-24833SBC	0.5	TPH as Diesel	76	
PANAMA AVE	24833	P-24833SBC	2	TPH as Diesel	100	
PANAMA AVE	24833	P-24833SBC	4.5	TPH as Diesel	1400	Y
PANAMA AVE	24833	P-24833SBC	5	TPH as Diesel	83	
PANAMA AVE	24833	P-24833SBC	10	TPH as Diesel	2000	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

PANAMA AVE	24833	P-24833SFC	0.5	TPH as Diesel	50	
PANAMA AVE	24833	P-24833SFC	2	TPH as Diesel	570	
PANAMA AVE	24833	P-24833SFC	5	TPH as Diesel	1300	Y
PANAMA AVE	24833	P-24833SFC	6	TPH as Diesel	0	
PANAMA AVE	24833	P-24833SFC	10	TPH as Diesel	0	
PANAMA AVE	24833	P-24833SFD	0.5	TPH as Diesel	33	
PANAMA AVE	24833	P-24833SFD	2	TPH as Diesel	440	
PANAMA AVE	24833	P-24833SFD	4	TPH as Diesel	2600	
PANAMA AVE	24833	P-24833SFD	5	TPH as Diesel	1500	Y
PANAMA AVE	24833	P-24833SFD	10	TPH as Diesel	24	
PANAMA AVE	24838	P-24838SBC	0.5	TPH as Diesel	51	
PANAMA AVE	24838	P-24838SBC	2	TPH as Diesel	0	
PANAMA AVE	24838	P-24838SBC	5	TPH as Diesel	1600	Y
PANAMA AVE	24838	P-24838SBC	10	TPH as Diesel	0	
PANAMA AVE	24838	P-24838SBD	0.5	TPH as Diesel	25	
PANAMA AVE	24838	P-24838SBD	2	TPH as Diesel	37	
PANAMA AVE	24838	P-24838SBD	5	TPH as Diesel	2300	Y
PANAMA AVE	24838	P-24838SBD	10	TPH as Diesel	370	
RAVENNA AVE	24402	R-24402SB	0.5	TPH as Diesel	8200	
RAVENNA AVE	24402	R-24402SB	2	TPH as Diesel	3300	Y
RAVENNA AVE	24402	R-24402SB	5	TPH as Diesel	63	
RAVENNA AVE	24402	R-24402SB	10	TPH as Diesel	21	
RAVENNA AVE	24402	R-24402SB	15	TPH as Diesel	1900	
RAVENNA AVE	24402	R-24402SF	0.5	TPH as Diesel	370	
RAVENNA AVE	24402	R-24402SF	1	TPH as Diesel	3800	Y
RAVENNA AVE	24402	R-24402SF	2	TPH as Diesel	390	
RAVENNA AVE	24402	R-24402SF	5	TPH as Diesel	480	
RAVENNA AVE	24402	R-24402SF	10	TPH as Diesel	2500	
RAVENNA AVE	24402	R-24402SF	15	TPH as Diesel	5400	
RAVENNA AVE	24402	R-24402SBB	0.5	TPH as Diesel	70	
RAVENNA AVE	24402	R-24402SBB	2	TPH as Diesel	2500	Y
RAVENNA AVE	24402	R-24402SBB	5	TPH as Diesel	0	
RAVENNA AVE	24402	R-24402SBB	10	TPH as Diesel	0	
RAVENNA AVE	24402	R-24402SFB	0.5	TPH as Diesel	37	
RAVENNA AVE	24402	R-24402SFB	2	TPH as Diesel	1000	Y
RAVENNA AVE	24402	R-24402SFB	5	TPH as Diesel	0	
RAVENNA AVE	24402	R-24402SFB	9	TPH as Diesel	260	
RAVENNA AVE	24402	R-24402SFE	0.5	TPH as Diesel	860	
RAVENNA AVE	24402	R-24402SFE	2	TPH as Diesel	3200	Y
RAVENNA AVE	24402	R-24402SFE	5	TPH as Diesel	490	
RAVENNA AVE	24402	R-24402SFE	10	TPH as Diesel	5900	
RAVENNA AVE	24406	R-24406SFCA	5	TPH as Diesel	81	
RAVENNA AVE	24406	R-24406SFCA	6.5	TPH as Diesel	2000	Y
RAVENNA AVE	24406	R-24406SFCA	9.5	TPH as Diesel	250	
RAVENNA AVE	24412	R-24412SBA	0.5	TPH as Diesel	230	
RAVENNA AVE	24412	R-24412SBA	2	TPH as Diesel	2600	
RAVENNA AVE	24412	R-24412SBA	3	TPH as Diesel	2300	Y
RAVENNA AVE	24412	R-24412SBA	5	TPH as Diesel	5.5	
RAVENNA AVE	24412	R-24412SBA	10	TPH as Diesel	620	
RAVENNA AVE	24412	R-24412SBC	0.5	TPH as Diesel	2500	Y
RAVENNA AVE	24412	R-24412SBC	2	TPH as Diesel	340	
RAVENNA AVE	24412	R-24412SBC	5	TPH as Diesel	14	
RAVENNA AVE	24412	R-24412SBC	10	TPH as Diesel	75	
RAVENNA AVE	24412	R-24412SBD	0.5	TPH as Diesel	0	
RAVENNA AVE	24412	R-24412SBD	2	TPH as Diesel	98	
RAVENNA AVE	24412	R-24412SBD	2.5	TPH as Diesel	5100	Y
RAVENNA AVE	24412	R-24412SBD	5	TPH as Diesel	140	
RAVENNA AVE	24412	R-24412SBD	10	TPH as Diesel	7100	
RAVENNA AVE	24412	R-24412SBF	0.5	TPH as Diesel	0	
RAVENNA AVE	24412	R-24412SBF	2	TPH as Diesel	170	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

RAVENNA AVE	24412	R-24412SBF	3	TPH as Diesel	1300	Y
RAVENNA AVE	24412	R-24412SBF	5	TPH as Diesel	0	
RAVENNA AVE	24412	R-24412SBF	10	TPH as Diesel	200	
RAVENNA AVE	24412	R-24412SFA	0.5	TPH as Diesel	99	
RAVENNA AVE	24412	R-24412SFA	2	TPH as Diesel	540	
RAVENNA AVE	24412	R-24412SFA	3.5	TPH as Diesel	4200	Y
RAVENNA AVE	24412	R-24412SFA	5	TPH as Diesel	130	
RAVENNA AVE	24412	R-24412SFA	10	TPH as Diesel	3600	
RAVENNA AVE	24412	R-24412SFC	0.5	TPH as Diesel	320	
RAVENNA AVE	24412	R-24412SFC	2	TPH as Diesel	170	
RAVENNA AVE	24412	R-24412SFC	3	TPH as Diesel	2600	Y
RAVENNA AVE	24412	R-24412SFC	5	TPH as Diesel	300	
RAVENNA AVE	24412	R-24412SFC	9.5	TPH as Diesel	0	
RAVENNA AVE	24412	R-24412SFF	0.5	TPH as Diesel	4.9	
RAVENNA AVE	24412	R-24412SFF	2	TPH as Diesel	7200	
RAVENNA AVE	24412	R-24412SFF	3	TPH as Diesel	3100	Y
RAVENNA AVE	24412	R-24412SFF	5	TPH as Diesel	130	
RAVENNA AVE	24412	R-24412SFF	9.5	TPH as Diesel	17	
RAVENNA AVE	24412	R-24412SFF	10	TPH as Diesel	5100	
RAVENNA AVE	24416	R-24416SBA	0.5	TPH as Diesel	96	
RAVENNA AVE	24416	R-24416SBA	2	TPH as Diesel	3900	
RAVENNA AVE	24416	R-24416SBA	5	TPH as Diesel	1200	Y
RAVENNA AVE	24416	R-24416SBA	10	TPH as Diesel	140	
RAVENNA AVE	24416	R-24416SBB	0.5	TPH as Diesel	260	
RAVENNA AVE	24416	R-24416SBB	2	TPH as Diesel	13000	Y
RAVENNA AVE	24416	R-24416SBB	5	TPH as Diesel	150	
RAVENNA AVE	24416	R-24416SBB	10	TPH as Diesel	880	
RAVENNA AVE	24416	R-24416SBC	0.5	TPH as Diesel	1200	
RAVENNA AVE	24416	R-24416SBC	1.5	TPH as Diesel	23000	
RAVENNA AVE	24416	R-24416SBC	2	TPH as Diesel	10000	Y
RAVENNA AVE	24416	R-24416SBC	5	TPH as Diesel	28	
RAVENNA AVE	24416	R-24416SBC	10	TPH as Diesel	2900	
RAVENNA AVE	24416	R-24416SBD	0.5	TPH as Diesel	1000	
RAVENNA AVE	24416	R-24416SBD	2	TPH as Diesel	920	
RAVENNA AVE	24416	R-24416SBD	3	TPH as Diesel	8000	Y
RAVENNA AVE	24416	R-24416SBD	5	TPH as Diesel	40	
RAVENNA AVE	24416	R-24416SBD	10	TPH as Diesel	1100	
RAVENNA AVE	24422	R-24422SBB	0.5	TPH as Diesel	370	
RAVENNA AVE	24422	R-24422SBB	2	TPH as Diesel	700	
RAVENNA AVE	24422	R-24422SBB	3.5	TPH as Diesel	6400	Y
RAVENNA AVE	24422	R-24422SBB	5	TPH as Diesel	920	
RAVENNA AVE	24422	R-24422SBB	10	TPH as Diesel	2300	
RAVENNA AVE	24422	R-24422SBC	0.5	TPH as Diesel	2600	
RAVENNA AVE	24422	R-24422SBC	2	TPH as Diesel	18000	Y
RAVENNA AVE	24422	R-24422SBC	5	TPH as Diesel	190	
RAVENNA AVE	24422	R-24422SBC	10	TPH as Diesel	820	
RAVENNA AVE	24423	R-24423SBC	0.5	TPH as Diesel	52	
RAVENNA AVE	24423	R-24423SBC	2	TPH as Diesel	68	
RAVENNA AVE	24423	R-24423SBC	5	TPH as Diesel	330	
RAVENNA AVE	24423	R-24423SBC	7.5	TPH as Diesel	7500	Y
RAVENNA AVE	24423	R-24423SBC	10	TPH as Diesel	730	
RAVENNA AVE	24423	R-24423SFC	0.5	TPH as Diesel	27	
RAVENNA AVE	24423	R-24423SFC	2	TPH as Diesel	44	
RAVENNA AVE	24423	R-24423SFC	4	TPH as Diesel	230	
RAVENNA AVE	24423	R-24423SFC	5	TPH as Diesel	4500	Y
RAVENNA AVE	24423	R-24423SFC	8	TPH as Diesel	230	
RAVENNA AVE	24426	R-24426SBA	0.5	TPH as Diesel	880	
RAVENNA AVE	24426	R-24426SBA	2	TPH as Diesel	120	
RAVENNA AVE	24426	R-24426SBA	3	TPH as Diesel	250	
RAVENNA AVE	24426	R-24426SBA	5	TPH as Diesel	17000	Y

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

RAVENNA AVE	24426	R-24426SBA	10	TPH as Diesel	420	
RAVENNA AVE	24426	R-24426SBB	0.5	TPH as Diesel	310	
RAVENNA AVE	24426	R-24426SBB	2	TPH as Diesel	330	
RAVENNA AVE	24426	R-24426SBB	3	TPH as Diesel	1900	
RAVENNA AVE	24426	R-24426SBB	5	TPH as Diesel	6200	Y
RAVENNA AVE	24426	R-24426SBB	10	TPH as Diesel	0	
RAVENNA AVE	24426	R-24426SBC	0.5	TPH as Diesel	98	
RAVENNA AVE	24426	R-24426SBC	2	TPH as Diesel	1700	
RAVENNA AVE	24426	R-24426SBC	3	TPH as Diesel	680	
RAVENNA AVE	24426	R-24426SBC	5	TPH as Diesel	3500	Y
RAVENNA AVE	24426	R-24426SBC	10	TPH as Diesel	640	
RAVENNA AVE	24426	R-24426SFB	0.5	TPH as Diesel	260	
RAVENNA AVE	24426	R-24426SFB	2	TPH as Diesel	180	
RAVENNA AVE	24426	R-24426SFB	5	TPH as Diesel	4200	Y
RAVENNA AVE	24426	R-24426SFB	10	TPH as Diesel	220	
RAVENNA AVE	24426	R-24426SFE	0.5	TPH as Diesel	140	
RAVENNA AVE	24426	R-24426SFE	2	TPH as Diesel	250	
RAVENNA AVE	24426	R-24426SFE	3.5	TPH as Diesel	2200	Y
RAVENNA AVE	24426	R-24426SFE	5	TPH as Diesel	27	
RAVENNA AVE	24426	R-24426SFEB	0.5	TPH as Diesel	87	
RAVENNA AVE	24426	R-24426SFEB	2	TPH as Diesel	280	
RAVENNA AVE	24426	R-24426SFEB	3.5	TPH as Diesel	11000	Y
RAVENNA AVE	24426	R-24426SFEB	5	TPH as Diesel	490	
RAVENNA AVE	24426	R-24426SFEB	7.5	TPH as Diesel	98	
RAVENNA AVE	24426	R-24426SFEB	10	TPH as Diesel	110	
RAVENNA AVE	24429	R-24429SBA	0.5	TPH as Diesel	390	
RAVENNA AVE	24429	R-24429SBA	2	TPH as Diesel	2400	Y
RAVENNA AVE	24429	R-24429SBA	5	TPH as Diesel	430	
RAVENNA AVE	24429	R-24429SBA	10	TPH as Diesel	0	
RAVENNA AVE	24429	R-24429SBC	0.5	TPH as Diesel	120	
RAVENNA AVE	24429	R-24429SBC	2	TPH as Diesel	1900	Y
RAVENNA AVE	24429	R-24429SBC	5	TPH as Diesel	5.9	
RAVENNA AVE	24502	R-24502SB	0.5	TPH as Diesel	400	
RAVENNA AVE	24502	R-24502SB	2	TPH as Diesel	130	
RAVENNA AVE	24502	R-24502SB	3	TPH as Diesel	560	
RAVENNA AVE	24502	R-24502SB	5	TPH as Diesel	15000	Y
RAVENNA AVE	24502	R-24502SB	10	TPH as Diesel	100	
RAVENNA AVE	24502	R-24502SBA	0.5	TPH as Diesel	710	
RAVENNA AVE	24502	R-24502SBA	2	TPH as Diesel	42	
RAVENNA AVE	24502	R-24502SBA	3.5	TPH as Diesel	2000	
RAVENNA AVE	24502	R-24502SBA	5	TPH as Diesel	17000	Y
RAVENNA AVE	24502	R-24502SBA	10	TPH as Diesel	130	
RAVENNA AVE	24502	R-24502SBB	0.5	TPH as Diesel	200	
RAVENNA AVE	24502	R-24502SBB	2	TPH as Diesel	120	
RAVENNA AVE	24502	R-24502SBB	3	TPH as Diesel	3000	
RAVENNA AVE	24502	R-24502SBB	5	TPH as Diesel	6900	Y
RAVENNA AVE	24502	R-24502SBB	10	TPH as Diesel	530	
RAVENNA AVE	24502	R-24502SFD	0.5	TPH as Diesel	270	
RAVENNA AVE	24502	R-24502SFD	2	TPH as Diesel	1100	
RAVENNA AVE	24502	R-24502SFD	3	TPH as Diesel	2900	Y
RAVENNA AVE	24502	R-24502SFD	5	TPH as Diesel	46	
RAVENNA AVE	24502	R-24502SFD	10	TPH as Diesel	210	
RAVENNA AVE	24508	R-24508SBA	0.5	TPH as Diesel	62	
RAVENNA AVE	24508	R-24508SBA	2	TPH as Diesel	1100	
RAVENNA AVE	24508	R-24508SBA	4	TPH as Diesel	6800	
RAVENNA AVE	24508	R-24508SBA	5	TPH as Diesel	4300	Y
RAVENNA AVE	24508	R-24508SBA	10	TPH as Diesel	530	
RAVENNA AVE	24508	R-24508SBB	0.5	TPH as Diesel	96	
RAVENNA AVE	24508	R-24508SBB	2	TPH as Diesel	25	
RAVENNA AVE	24508	R-24508SBB	3.5	TPH as Diesel	1200	Y

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24508	R-24508SBB	5	TPH as Diesel	25	
RAVENNA AVE	24508	R-24508SBB	10	TPH as Diesel	980	
RAVENNA AVE	24508	R-24508SFC	0.5	TPH as Diesel	63	
RAVENNA AVE	24508	R-24508SFC	2	TPH as Diesel	140	
RAVENNA AVE	24508	R-24508SFC	5	TPH as Diesel	970	
RAVENNA AVE	24508	R-24508SFC	7	TPH as Diesel	8100	Y
RAVENNA AVE	24508	R-24508SFC	10	TPH as Diesel	1500	
RAVENNA AVE	24509	R-24509SFD	0.5	TPH as Diesel	88	
RAVENNA AVE	24509	R-24509SFD	2	TPH as Diesel	220	
RAVENNA AVE	24509	R-24509SFD	5	TPH as Diesel	46	
RAVENNA AVE	24509	R-24509SFD	6.5	TPH as Diesel	9300	Y
RAVENNA AVE	24509	R-24509SFD	10	TPH as Diesel	100	
RAVENNA AVE	24512	R-24512SBD	0.5	TPH as Diesel	18	
RAVENNA AVE	24512	R-24512SBD	2	TPH as Diesel	7.5	
RAVENNA AVE	24512	R-24512SBD	4	TPH as Diesel	230	
RAVENNA AVE	24512	R-24512SBD	5	TPH as Diesel	78	
RAVENNA AVE	24512	R-24512SBD	8.5	TPH as Diesel	5900	Y
RAVENNA AVE	24512	R-24512SBD	10	TPH as Diesel	750	
RAVENNA AVE	24512	R-24512SFB	0.5	TPH as Diesel	26	
RAVENNA AVE	24512	R-24512SFB	2	TPH as Diesel	0	
RAVENNA AVE	24512	R-24512SFB	4.5	TPH as Diesel	11000	
RAVENNA AVE	24512	R-24512SFB	5	TPH as Diesel	9800	Y
RAVENNA AVE	24512	R-24512SFB	7	TPH as Diesel	970	
RAVENNA AVE	24512	R-24512SFB	10	TPH as Diesel	850	
RAVENNA AVE	24512	R-24512SFC	0.5	TPH as Diesel	21	
RAVENNA AVE	24512	R-24512SFC	2	TPH as Diesel	210	
RAVENNA AVE	24512	R-24512SFC	5	TPH as Diesel	6800	Y
RAVENNA AVE	24512	R-24512SFC	10	TPH as Diesel	380	
RAVENNA AVE	24513	R-24513SBA	0.5	TPH as Diesel	47	
RAVENNA AVE	24513	R-24513SBA	2	TPH as Diesel	0	
RAVENNA AVE	24513	R-24513SBA	5	TPH as Diesel	65	
RAVENNA AVE	24513	R-24513SBA	6.5	TPH as Diesel	16000	Y
RAVENNA AVE	24513	R-24513SBA	10	TPH as Diesel	2500	
RAVENNA AVE	24513	R-24513SFA	0.5	TPH as Diesel	120	
RAVENNA AVE	24513	R-24513SFA	2	TPH as Diesel	290	
RAVENNA AVE	24513	R-24513SFA	5	TPH as Diesel	40	
RAVENNA AVE	24513	R-24513SFA	7.5	TPH as Diesel	7300	Y
RAVENNA AVE	24513	R-24513SFA	10	TPH as Diesel	800	
RAVENNA AVE	24513	R-24513SFB	0.5	TPH as Diesel	85	
RAVENNA AVE	24513	R-24513SFB	2	TPH as Diesel	21	
RAVENNA AVE	24513	R-24513SFB	5	TPH as Diesel	88	
RAVENNA AVE	24513	R-24513SFB	6.5	TPH as Diesel	23000	Y
RAVENNA AVE	24513	R-24513SFB	10	TPH as Diesel	2400	
RAVENNA AVE	24518	R-24518SF	0.5	TPH as Diesel	41	
RAVENNA AVE	24518	R-24518SF	2	TPH as Diesel	42	
RAVENNA AVE	24518	R-24518SF	4	TPH as Diesel	4700	Y
RAVENNA AVE	24518	R-24518SF	5	TPH as Diesel	100	
RAVENNA AVE	24518	R-24518SF	7	TPH as Diesel	3400	Y
RAVENNA AVE	24518	R-24518SF	10	TPH as Diesel	550	
RAVENNA AVE	24518	R-24518SBA	0.5	TPH as Diesel	19	
RAVENNA AVE	24518	R-24518SBA	2	TPH as Diesel	200	
RAVENNA AVE	24518	R-24518SBA	4.5	TPH as Diesel	2900	
RAVENNA AVE	24518	R-24518SBA	5	TPH as Diesel	6100	Y
RAVENNA AVE	24518	R-24518SBA	10	TPH as Diesel	81	
RAVENNA AVE	24518	R-24518SBB	0.5	TPH as Diesel	91	
RAVENNA AVE	24518	R-24518SBB	2	TPH as Diesel	37	
RAVENNA AVE	24518	R-24518SBB	4.5	TPH as Diesel	9000	Y
RAVENNA AVE	24518	R-24518SBB	5	TPH as Diesel	690	
RAVENNA AVE	24518	R-24518SBB	10	TPH as Diesel	900	
RAVENNA AVE	24518	R-24518SFB	0.5	TPH as Diesel	57	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24518	R-24518SFB	2	TPH as Diesel	110	
RAVENNA AVE	24518	R-24518SFB	3.5	TPH as Diesel	10000	Y
RAVENNA AVE	24518	R-24518SFB	5	TPH as Diesel	1700	Y
RAVENNA AVE	24518	R-24518SFB	10	TPH as Diesel	190	
RAVENNA AVE	24522	R-24522SFA	0.5	TPH as Diesel	16	
RAVENNA AVE	24522	R-24522SFA	2	TPH as Diesel	170	
RAVENNA AVE	24522	R-24522SFA	4	TPH as Diesel	110	
RAVENNA AVE	24522	R-24522SFA	5	TPH as Diesel	5100	Y
RAVENNA AVE	24522	R-24522SFA	7	TPH as Diesel	70	
RAVENNA AVE	24522	R-24522SFA	10	TPH as Diesel	4400	
RAVENNA AVE	24522	R-24522SFB	0.5	TPH as Diesel	270	
RAVENNA AVE	24522	R-24522SFB	2	TPH as Diesel	120	
RAVENNA AVE	24522	R-24522SFB	5	TPH as Diesel	3100	Y
RAVENNA AVE	24522	R-24522SFB	10	TPH as Diesel	440	
RAVENNA AVE	24522	R-24522SFD	0.5	TPH as Diesel	11	
RAVENNA AVE	24522	R-24522SFD	2	TPH as Diesel	19	
RAVENNA AVE	24522	R-24522SFD	5	TPH as Diesel	6000	Y
RAVENNA AVE	24522	R-24522SFD	10	TPH as Diesel	1100	
RAVENNA AVE	24533	R-24533SBC	0.5	TPH as Diesel	3600	
RAVENNA AVE	24533	R-24533SBC	2	TPH as Diesel	2800	Y
RAVENNA AVE	24533	R-24533SBC	5	TPH as Diesel	320	
RAVENNA AVE	24533	R-24533SBC	10	TPH as Diesel	9	
RAVENNA AVE	24608	R-24608SB	0.5	TPH as Diesel	20	
RAVENNA AVE	24608	R-24608SB	2	TPH as Diesel	7.1	
RAVENNA AVE	24608	R-24608SB	4	TPH as Diesel	220	
RAVENNA AVE	24608	R-24608SB	5	TPH as Diesel	7700	Y
RAVENNA AVE	24608	R-24608SB	10	TPH as Diesel	63	
RAVENNA AVE	24608	R-24608SBB	0.5	TPH as Diesel	49	
RAVENNA AVE	24608	R-24608SBB	2	TPH as Diesel	5200	
RAVENNA AVE	24608	R-24608SBB	4.5	TPH as Diesel	13000	Y
RAVENNA AVE	24608	R-24608SBB	5	TPH as Diesel	440	
RAVENNA AVE	24608	R-24608SBB	10	TPH as Diesel	57	
RAVENNA AVE	24612	R-24612SBC	0.5	TPH as Diesel	6.2	
RAVENNA AVE	24612	R-24612SBC	2	TPH as Diesel	140	
RAVENNA AVE	24612	R-24612SBC	3.5	TPH as Diesel	710	
RAVENNA AVE	24612	R-24612SBC	5	TPH as Diesel	1600	Y
RAVENNA AVE	24612	R-24612SBC	10	TPH as Diesel	39	
RAVENNA AVE	24612	R-24612SBDA	3	TPH as Diesel	15000	Y
RAVENNA AVE	24612	R-24612SBDA	5	TPH as Diesel	1000	Y
RAVENNA AVE	24612	R-24612SBDA	10	TPH as Diesel	69	
RAVENNA AVE	24612	R-24612SBEA	5	TPH as Diesel	2200	Y
RAVENNA AVE	24612	R-24612SBEA	10	TPH as Diesel	19	
RAVENNA AVE	24612	R-24612SBF	0.5	TPH as Diesel	71	
RAVENNA AVE	24612	R-24612SBF	2	TPH as Diesel	670	
RAVENNA AVE	24612	R-24612SBF	3.5	TPH as Diesel	1000	
RAVENNA AVE	24612	R-24612SBF	5	TPH as Diesel	2500	Y
RAVENNA AVE	24612	R-24612SBF	10	TPH as Diesel	130	
RAVENNA AVE	24612	R-24612SFD	0.5	TPH as Diesel	240	
RAVENNA AVE	24612	R-24612SFD	2	TPH as Diesel	1700	
RAVENNA AVE	24612	R-24612SFD	5	TPH as Diesel	1800	Y
RAVENNA AVE	24612	R-24612SFD	10	TPH as Diesel	90	
RAVENNA AVE	24613	R-24613SB	0.5	TPH as Diesel	270	
RAVENNA AVE	24613	R-24613SB	2	TPH as Diesel	2700	Y
RAVENNA AVE	24613	R-24613SB	5	TPH as Diesel	220	
RAVENNA AVE	24613	R-24613SB	10	TPH as Diesel	170	
RAVENNA AVE	24613	R-24613SBA	0.5	TPH as Diesel	47	
RAVENNA AVE	24613	R-24613SBA	2	TPH as Diesel	350	
RAVENNA AVE	24613	R-24613SBA	4	TPH as Diesel	11000	
RAVENNA AVE	24613	R-24613SBA	5	TPH as Diesel	6600	Y
RAVENNA AVE	24613	R-24613SBA	10	TPH as Diesel	150	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24618	R-24618SFG	0.5	TPH as Diesel	18	
RAVENNA AVE	24618	R-24618SFG	2	TPH as Diesel	340	
RAVENNA AVE	24618	R-24618SFG	5	TPH as Diesel	5100	Y
RAVENNA AVE	24618	R-24618SFG	10	TPH as Diesel	0	
RAVENNA AVE	24700	R-24700SBA	0.5	TPH as Diesel	0	
RAVENNA AVE	24700	R-24700SBA	2	TPH as Diesel	1600	
RAVENNA AVE	24700	R-24700SBA	2.5	TPH as Diesel	2000	Y
RAVENNA AVE	24700	R-24700SBA	5	TPH as Diesel	220	
RAVENNA AVE	24700	R-24700SBA	10	TPH as Diesel	0	
RAVENNA AVE	24700	R-24700SBB	0.5	TPH as Diesel	11	
RAVENNA AVE	24700	R-24700SBB	2	TPH as Diesel	55	
RAVENNA AVE	24700	R-24700SBB	2.5	TPH as Diesel	1900	
RAVENNA AVE	24700	R-24700SBB	5	TPH as Diesel	1700	Y
RAVENNA AVE	24700	R-24700SBB	10	TPH as Diesel	11	
RAVENNA AVE	24700	R-24700SFA	0.5	TPH as Diesel	4400	Y
RAVENNA AVE	24700	R-24700SFA	2	TPH as Diesel	0	
RAVENNA AVE	24700	R-24700SFA	5	TPH as Diesel	0	
RAVENNA AVE	24700	R-24700SFA	10	TPH as Diesel	0	
RAVENNA AVE	24703	R-24703SBE	0.5	TPH as Diesel	9700	Y
RAVENNA AVE	24703	R-24703SBE	2	TPH as Diesel	43	
RAVENNA AVE	24703	R-24703SBE	5	TPH as Diesel	250	
RAVENNA AVE	24703	R-24703SBE	9	TPH as Diesel	12000	
RAVENNA AVE	24703	R-24703SBE	10	TPH as Diesel	21000	
RAVENNA AVE	24706	R-24706SFB	0.5	TPH as Diesel	1000	Y
RAVENNA AVE	24706	R-24706SFB	2	TPH as Diesel	170	
RAVENNA AVE	24706	R-24706SFB	2.5	TPH as Diesel	4600	Y
RAVENNA AVE	24706	R-24706SFB	5	TPH as Diesel	680	
RAVENNA AVE	24706	R-24706SFB	10	TPH as Diesel	35	
RAVENNA AVE	24706	R-24706SFD	0.5	TPH as Diesel	1100	
RAVENNA AVE	24706	R-24706SFD	2	TPH as Diesel	2200	Y
RAVENNA AVE	24706	R-24706SFD	5	TPH as Diesel	38	
RAVENNA AVE	24706	R-24706SFD	10	TPH as Diesel	49	
RAVENNA AVE	24712	R-24712SB	0.5	TPH as Diesel	45	
RAVENNA AVE	24712	R-24712SB	2	TPH as Diesel	320	
RAVENNA AVE	24712	R-24712SB	5	TPH as Diesel	1500	Y
RAVENNA AVE	24712	R-24712SB	10	TPH as Diesel	0	
RAVENNA AVE	24712	R-24712SFB	0.5	TPH as Diesel	70	
RAVENNA AVE	24712	R-24712SFB	2	TPH as Diesel	310	
RAVENNA AVE	24712	R-24712SFB	4	TPH as Diesel	1200	
RAVENNA AVE	24712	R-24712SFB	5	TPH as Diesel	1300	Y
RAVENNA AVE	24712	R-24712SFB	10	TPH as Diesel	0	
RAVENNA AVE	24712	R-24712SFC	0.5	TPH as Diesel	1800	
RAVENNA AVE	24712	R-24712SFC	2	TPH as Diesel	370	
RAVENNA AVE	24712	R-24712SFC	4	TPH as Diesel	10000	Y
RAVENNA AVE	24712	R-24712SFC	5	TPH as Diesel	1300	Y
RAVENNA AVE	24712	R-24712SFC	10	TPH as Diesel	0	
RAVENNA AVE	24713	R-24713SFB	0.5	TPH as Diesel	330	
RAVENNA AVE	24713	R-24713SFB	2	TPH as Diesel	9600	Y
RAVENNA AVE	24713	R-24713SFB	5	TPH as Diesel	70	
RAVENNA AVE	24713	R-24713SFB	10	TPH as Diesel	460	
RAVENNA AVE	24716	R-24716SFA	0.5	TPH as Diesel	700	
RAVENNA AVE	24716	R-24716SFA	2	TPH as Diesel	22	
RAVENNA AVE	24716	R-24716SFA	3	TPH as Diesel	390	
RAVENNA AVE	24716	R-24716SFA	5	TPH as Diesel	1400	Y
RAVENNA AVE	24716	R-24716SFA	10	TPH as Diesel	5.1	
RAVENNA AVE	24716	R-24716SFB	0.5	TPH as Diesel	340	
RAVENNA AVE	24716	R-24716SFB	2	TPH as Diesel	6.6	
RAVENNA AVE	24716	R-24716SFB	3	TPH as Diesel	2500	
RAVENNA AVE	24716	R-24716SFB	5	TPH as Diesel	1300	Y
RAVENNA AVE	24716	R-24716SFB	10	TPH as Diesel	12	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24716	R-24716SFCA	3.5	TPH as Diesel	3500	
RAVENNA AVE	24716	R-24716SFCA	5	TPH as Diesel	2000	Y
RAVENNA AVE	24716	R-24716SFCA	10	TPH as Diesel	20	
RAVENNA AVE	24722	R-24722SBB	0.5	TPH as Diesel	2800	Y
RAVENNA AVE	24722	R-24722SBB	2	TPH as Diesel	460	
RAVENNA AVE	24722	R-24722SBB	5	TPH as Diesel	0	
RAVENNA AVE	24722	R-24722SBB	10	TPH as Diesel	56	
RAVENNA AVE	24722	R-24722SBD	0.5	TPH as Diesel	160	
RAVENNA AVE	24722	R-24722SBD	2	TPH as Diesel	1200	Y
RAVENNA AVE	24722	R-24722SBD	5	TPH as Diesel	52	
RAVENNA AVE	24722	R-24722SBD	10	TPH as Diesel	110	
RAVENNA AVE	24722	R-24722SFA	0.5	TPH as Diesel	2200	Y
RAVENNA AVE	24722	R-24722SFA	2	TPH as Diesel	33	
RAVENNA AVE	24722	R-24722SFA	3	TPH as Diesel	1300	
RAVENNA AVE	24722	R-24722SFA	5	TPH as Diesel	3200	Y
RAVENNA AVE	24722	R-24722SFA	10	TPH as Diesel	46	
RAVENNA AVE	24722	R-24722SFB	0.5	TPH as Diesel	19	
RAVENNA AVE	24722	R-24722SFB	2	TPH as Diesel	110	
RAVENNA AVE	24722	R-24722SFB	4	TPH as Diesel	3000	Y
RAVENNA AVE	24722	R-24722SFB	5	TPH as Diesel	270	
RAVENNA AVE	24722	R-24722SFB	10	TPH as Diesel	97	
RAVENNA AVE	24722	R-24722SFC	0.5	TPH as Diesel	190	
RAVENNA AVE	24722	R-24722SFC	2	TPH as Diesel	860	
RAVENNA AVE	24722	R-24722SFC	3.5	TPH as Diesel	1100	
RAVENNA AVE	24722	R-24722SFC	5	TPH as Diesel	6500	Y
RAVENNA AVE	24722	R-24722SFC	10	TPH as Diesel	0	
RAVENNA AVE	24722	R-24722BVEA	0.5	TPH as Diesel	83	
RAVENNA AVE	24722	R-24722BVEA	2	TPH as Diesel	2500	
RAVENNA AVE	24722	R-24722BVEA	5	TPH as Diesel	3400	Y
RAVENNA AVE	24722	R-24722BVEA	10	TPH as Diesel	190	
RAVENNA AVE	24723	R-24723SBA	0.5	TPH as Diesel	120	
RAVENNA AVE	24723	R-24723SBA	2	TPH as Diesel	66	
RAVENNA AVE	24723	R-24723SBA	5	TPH as Diesel	1800	Y
RAVENNA AVE	24723	R-24723SBA	10	TPH as Diesel	0	
RAVENNA AVE	24723	R-24723SBC	0.5	TPH as Diesel	87	
RAVENNA AVE	24723	R-24723SBC	2	TPH as Diesel	120	
RAVENNA AVE	24723	R-24723SBC	5	TPH as Diesel	5200	Y
RAVENNA AVE	24723	R-24723SBC	10	TPH as Diesel	40	
RAVENNA AVE	24726	R-24726SBB	0.5	TPH as Diesel	1200	Y
RAVENNA AVE	24726	R-24726SBB	2	TPH as Diesel	41	
RAVENNA AVE	24726	R-24726SBB	5	TPH as Diesel	0	
RAVENNA AVE	24726	R-24726SBB	10	TPH as Diesel	17	
RAVENNA AVE	24726	R-24726SFB	0.5	TPH as Diesel	0	
RAVENNA AVE	24726	R-24726SFB	2	TPH as Diesel	17	
RAVENNA AVE	24726	R-24726SFB	3.5	TPH as Diesel	2800	
RAVENNA AVE	24726	R-24726SFB	5	TPH as Diesel	4100	Y
RAVENNA AVE	24726	R-24726SFB	10	TPH as Diesel	0	
RAVENNA AVE	24732	R-24732SFC	0.5	TPH as Diesel	66	
RAVENNA AVE	24732	R-24732SFC	2	TPH as Diesel	250	
RAVENNA AVE	24732	R-24732SFC	3.5	TPH as Diesel	93	
RAVENNA AVE	24732	R-24732SFC	5	TPH as Diesel	2900	Y
RAVENNA AVE	24732	R-24732SFC	10	TPH as Diesel	17	
RAVENNA AVE	24732	R-24732SFF	0.5	TPH as Diesel	400	
RAVENNA AVE	24732	R-24732SFF	2	TPH as Diesel	140	
RAVENNA AVE	24732	R-24732SFF	4	TPH as Diesel	1100	
RAVENNA AVE	24732	R-24732SFF	5	TPH as Diesel	4300	Y
RAVENNA AVE	24732	R-24732SFF	10	TPH as Diesel	68	
RAVENNA AVE	24732	R-24732SFG	0.5	TPH as Diesel	2600	Y
RAVENNA AVE	24732	R-24732SFG	2	TPH as Diesel	53	
RAVENNA AVE	24732	R-24732SFG	5	TPH as Diesel	0	

**TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24732	R-24732SFG	10	TPH as Diesel	0	
RAVENNA AVE	24733	R-24733SBD	0.5	TPH as Diesel	3600	Y
RAVENNA AVE	24733	R-24733SBD	2	TPH as Diesel	120	
RAVENNA AVE	24733	R-24733SBD	5	TPH as Diesel	0	
RAVENNA AVE	24733	R-24733SBD	10	TPH as Diesel	0	
RAVENNA AVE	24736	R-24736SFA	0.5	TPH as Diesel	120	
RAVENNA AVE	24736	R-24736SFA	2	TPH as Diesel	60	
RAVENNA AVE	24736	R-24736SFA	4	TPH as Diesel	180	
RAVENNA AVE	24736	R-24736SFA	5	TPH as Diesel	1300	Y
RAVENNA AVE	24736	R-24736SFA	10	TPH as Diesel	250	
RAVENNA AVE	24736	R-24736SFD	0.5	TPH as Diesel	1000	
RAVENNA AVE	24736	R-24736SFD	2	TPH as Diesel	2200	
RAVENNA AVE	24736	R-24736SFD	3	TPH as Diesel	23000	Y
RAVENNA AVE	24736	R-24736SFD	5	TPH as Diesel	2400	
RAVENNA AVE	24736	R-24736SFD	10	TPH as Diesel	3800	
RAVENNA AVE	24739	R-24739SFD	0.5	TPH as Diesel	2600	
RAVENNA AVE	24739	R-24739SFD	2	TPH as Diesel	13000	Y
RAVENNA AVE	24739	R-24739SFD	5	TPH as Diesel	360	
RAVENNA AVE	24739	R-24739SFD	10	TPH as Diesel	51	
RAVENNA AVE	24743	R-24743SBC	0.5	TPH as Diesel	2200	
RAVENNA AVE	24743	R-24743SBC	2	TPH as Diesel	810	
RAVENNA AVE	24743	R-24743SBC	4.5	TPH as Diesel	1100	
RAVENNA AVE	24743	R-24743SBC	5	TPH as Diesel	31000	Y
RAVENNA AVE	24743	R-24743SBC	10	TPH as Diesel	2900	
RAVENNA AVE	24748	R-24748SFC	0.5	TPH as Diesel	330	
RAVENNA AVE	24748	R-24748SFC	2	TPH as Diesel	560	
RAVENNA AVE	24748	R-24748SFC	3	TPH as Diesel	1600	
RAVENNA AVE	24748	R-24748SFC	5	TPH as Diesel	2400	Y
RAVENNA AVE	24748	R-24748SFC	10	TPH as Diesel	350	
RAVENNA AVE	24748	R-24748SFD	0.5	TPH as Diesel	440	
RAVENNA AVE	24748	R-24748SFD	2	TPH as Diesel	180	
RAVENNA AVE	24748	R-24748SFD	3	TPH as Diesel	19000	Y
RAVENNA AVE	24748	R-24748SFD	5	TPH as Diesel	2600	
RAVENNA AVE	24748	R-24748SFD	10	TPH as Diesel	4100	
RAVENNA AVE	24749	R-24749SFB	0.5	TPH as Diesel	56	
RAVENNA AVE	24749	R-24749SFB	2	TPH as Diesel	2500	
RAVENNA AVE	24749	R-24749SFB	3.5	TPH as Diesel	4000	Y
RAVENNA AVE	24749	R-24749SFB	5	TPH as Diesel	660	
RAVENNA AVE	24749	R-24749SFB	10	TPH as Diesel	350	
RAVENNA AVE	24749	R-24749SFC	0.5	TPH as Diesel	190	
RAVENNA AVE	24749	R-24749SFC	2	TPH as Diesel	6300	Y
RAVENNA AVE	24749	R-24749SFC	5	TPH as Diesel	340	
RAVENNA AVE	24749	R-24749SFF	0.5	TPH as Diesel	180	
RAVENNA AVE	24749	R-24749SFF	2	TPH as Diesel	1400	
RAVENNA AVE	24749	R-24749SFF	3	TPH as Diesel	5500	Y
RAVENNA AVE	24749	R-24749SFF	5	TPH as Diesel	720	
RAVENNA AVE	24749	R-24749SFF	10	TPH as Diesel	13000	
RAVENNA AVE	24752	R-24752SB	0.5	TPH as Diesel	30	
RAVENNA AVE	24752	R-24752SB	2	TPH as Diesel	1200	Y
RAVENNA AVE	24752	R-24752SB	5	TPH as Diesel	65	
RAVENNA AVE	24752	R-24752SB	10	TPH as Diesel	7300	
RAVENNA AVE	24752	R-24752SBA	0.5	TPH as Diesel	18	
RAVENNA AVE	24752	R-24752SBA	2	TPH as Diesel	790	
RAVENNA AVE	24752	R-24752SBA	3.5	TPH as Diesel	200	
RAVENNA AVE	24752	R-24752SBA	5	TPH as Diesel	11000	Y
RAVENNA AVE	24752	R-24752SBA	10	TPH as Diesel	2000	
RAVENNA AVE	24752	R-24752SBB	0.5	TPH as Diesel	260	
RAVENNA AVE	24752	R-24752SBB	2	TPH as Diesel	51	
RAVENNA AVE	24752	R-24752SBB	3.5	TPH as Diesel	2200	Y
RAVENNA AVE	24752	R-24752SBB	5	TPH as Diesel	190	

TABLE A-2
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHd CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

RAVENNA AVE	24752	R-24752SBB	10	TPH as Diesel	2400	
RAVENNA AVE	24752	R-24752SFA	0.5	TPH as Diesel	0	
RAVENNA AVE	24752	R-24752SFA	2	TPH as Diesel	150	
RAVENNA AVE	24752	R-24752SFA	3	TPH as Diesel	14000	Y
RAVENNA AVE	24752	R-24752SFA	5	TPH as Diesel	260	
RAVENNA AVE	24752	R-24752SFA	10	TPH as Diesel	210	
Summary						481

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

Street Name	Address	Boring/Sample ID	Sample Depth	Analyte Name	Conc. Det. (mg/kg)	Above 5X Conc. In Lower Sample
244TH ST	301	244-301SBB	0.5	TPH as Motor Oil	1700	Y
244TH ST	301	244-301SBB	2	TPH as Motor Oil	0	
244TH ST	301	244-301SBB	5	TPH as Motor Oil	0	
244TH ST	301	244-301SBB	10	TPH as Motor Oil	0	
244TH ST	301	244-301SFD	0.5	TPH as Motor Oil	780	
244TH ST	301	244-301SFD	2	TPH as Motor Oil	1700	Y
244TH ST	301	244-301SFD	5	TPH as Motor Oil	0	
244TH ST	301	244-301SFD	10	TPH as Motor Oil	0	
244TH ST	305	244-305SBD	0.5	TPH as Motor Oil	1100	Y
244TH ST	305	244-305SBD	2	TPH as Motor Oil	0	
244TH ST	305	244-305SBD	5	TPH as Motor Oil	0	
244TH ST	305	244-305SBD	10	TPH as Motor Oil	28	
244TH ST	305	244-305SFB	0.5	TPH as Motor Oil	2400	
244TH ST	305	244-305SFB	2	TPH as Motor Oil	1700	Y
244TH ST	305	244-305SFB	5	TPH as Motor Oil	0	
244TH ST	305	244-305SFB	10	TPH as Motor Oil	0	
244TH ST	305	244-305SFC	0.5	TPH as Motor Oil	1600	Y
244TH ST	305	244-305SFC	2	TPH as Motor Oil	0	
244TH ST	305	244-305SFC	5	TPH as Motor Oil	0	
244TH ST	305	244-305SFC	10	TPH as Motor Oil	0	
244TH ST	305	244-305SFD	0.5	TPH as Motor Oil	1600	
244TH ST	305	244-305SFD	2	TPH as Motor Oil	2000	Y
244TH ST	305	244-305SFD	5	TPH as Motor Oil	0	
244TH ST	305	244-305SFD	10	TPH as Motor Oil	0	
244TH ST	311	244-311SF	0.5	TPH as Motor Oil	1700	Y
244TH ST	311	244-311SF	2	TPH as Motor Oil	310	
244TH ST	311	244-311SF	5	TPH as Motor Oil	2600	Y
244TH ST	311	244-311SF	10	TPH as Motor Oil	100	
244TH ST	311	244-311SFC	0.5	TPH as Motor Oil	95	
244TH ST	311	244-311SFC	2	TPH as Motor Oil	400	
244TH ST	311	244-311SFC	2.5	TPH as Motor Oil	57000	Y
244TH ST	311	244-311SFC	5	TPH as Motor Oil	60	
244TH ST	311	244-311SFC	7.5	TPH as Motor Oil	100	
244TH ST	311	244-311SFD	0.5	TPH as Motor Oil	450	
244TH ST	311	244-311SFD	2	TPH as Motor Oil	250	
244TH ST	311	244-311SFD	2.5	TPH as Motor Oil	26000	Y
244TH ST	311	244-311SFD	5	TPH as Motor Oil	380	
244TH ST	311	244-311SFD	7.5	TPH as Motor Oil	330	
244TH ST	317	244-317SBC	-0.5	TPH as Motor Oil	150	
244TH ST	317	244-317SBC	0.5	TPH as Motor Oil	1200	
244TH ST	317	244-317SBC	2	TPH as Motor Oil	1200	Y
244TH ST	317	244-317SBC	5	TPH as Motor Oil	0	
244TH ST	317	244-317SBC	10	TPH as Motor Oil	0	
244TH ST	317	244-317SFA	0.5	TPH as Motor Oil	4400	
244TH ST	317	244-317SFA	2	TPH as Motor Oil	24000	Y
244TH ST	317	244-317SFA	5	TPH as Motor Oil	22	
244TH ST	317	244-317SFA	10	TPH as Motor Oil	840	
244TH ST	317	244-317SFD	0.5	TPH as Motor Oil	1400	
244TH ST	317	244-317SFD	2	TPH as Motor Oil	2300	
244TH ST	317	244-317SFD	5	TPH as Motor Oil	4500	Y
244TH ST	317	244-317SFD	10	TPH as Motor Oil	71	
244TH ST	317	244-317SFE	-1	TPH as Motor Oil	230	
244TH ST	317	244-317SFE	0.5	TPH as Motor Oil	1700	Y
244TH ST	317	244-317SFE	2	TPH as Motor Oil	19	
244TH ST	317	244-317SFE	5	TPH as Motor Oil	82	
244TH ST	317	244-317SFE	10	TPH as Motor Oil	17	
244TH ST	317	244-317SFF	0.5	TPH as Motor Oil	210	
244TH ST	317	244-317SFF	2	TPH as Motor Oil	6800	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

244TH ST	317	244-317SFF	5	TPH as Motor Oil	9.7	
244TH ST	317	244-317SFF	10	TPH as Motor Oil	48	
244TH ST	337	244-337SFC	0.5	TPH as Motor Oil	120	
244TH ST	337	244-337SFC	2	TPH as Motor Oil	3900	Y
244TH ST	337	244-337SFC	5	TPH as Motor Oil	0	
244TH ST	337	244-337SFC	10	TPH as Motor Oil	0	
244TH ST	347	244-347SBA	0.5	TPH as Motor Oil	230	
244TH ST	347	244-347SBA	2	TPH as Motor Oil	1100	Y
244TH ST	347	244-347SBA	5	TPH as Motor Oil	0	
244TH ST	347	244-347SBA	10	TPH as Motor Oil	0	
244TH ST	351	244-351SBB	0.5	TPH as Motor Oil	2500	Y
244TH ST	351	244-351SBB	2	TPH as Motor Oil	170	
244TH ST	351	244-351SBB	5	TPH as Motor Oil	0	
244TH ST	351	244-351SBB	10	TPH as Motor Oil	0	
244TH ST	351	244-351SFC	0.5	TPH as Motor Oil	12	
244TH ST	351	244-351SFC	2	TPH as Motor Oil	210	
244TH ST	351	244-351SFC	3.5	TPH as Motor Oil	15000	Y
244TH ST	351	244-351SFC	5	TPH as Motor Oil	350	
244TH ST	351	244-351SFC	10	TPH as Motor Oil	0	
244TH ST	367	244-367SFA	0.5	TPH as Motor Oil	500	
244TH ST	367	244-367SFA	2	TPH as Motor Oil	4900	Y
244TH ST	367	244-367SFA	5	TPH as Motor Oil	220	
244TH ST	367	244-367SFA	10	TPH as Motor Oil	53	
244TH ST	367	244-367SFB	0.5	TPH as Motor Oil	580	
244TH ST	367	244-367SFB	2	TPH as Motor Oil	960	
244TH ST	367	244-367SFB	4	TPH as Motor Oil	23000	Y
244TH ST	367	244-367SFB	5	TPH as Motor Oil	100	
244TH ST	367	244-367SFB	10	TPH as Motor Oil	130	
244TH ST	367	244-367SFC	0.5	TPH as Motor Oil	790	
244TH ST	367	244-367SFC	2	TPH as Motor Oil	1200	Y
244TH ST	367	244-367SFC	5	TPH as Motor Oil	90	
244TH ST	367	244-367SFC	10	TPH as Motor Oil	160	
248TH ST	348	248-348SF	0.5	TPH as Motor Oil	2600	Y
248TH ST	348	248-348SF	2	TPH as Motor Oil	54	
248TH ST	348	248-348SF	5	TPH as Motor Oil	0	
248TH ST	348	248-348SF	10	TPH as Motor Oil	220	
248TH ST	348	248-348SBB	0.5	TPH as Motor Oil	950	
248TH ST	348	248-348SBB	2	TPH as Motor Oil	1400	Y
248TH ST	348	248-348SBB	5	TPH as Motor Oil	0	
248TH ST	348	248-348SBB	10	TPH as Motor Oil	0	
248TH ST	348	248-348SFD	0.5	TPH as Motor Oil	2700	
248TH ST	348	248-348SFD	2	TPH as Motor Oil	4000	Y
248TH ST	348	248-348SFD	5	TPH as Motor Oil	9.5	
248TH ST	348	248-348SFD	10	TPH as Motor Oil	60	
248TH ST	348	248-348SFE	0.5	TPH as Motor Oil	2300	Y
248TH ST	348	248-348SFE	2	TPH as Motor Oil	94	
248TH ST	348	248-348SFE	3.5	TPH as Motor Oil	25	
248TH ST	348	248-348SFE	5	TPH as Motor Oil	0	
248TH ST	348	248-348SFE	10	TPH as Motor Oil	27000	
248TH ST	354	248-354SBB	0.5	TPH as Motor Oil	1600	Y
248TH ST	354	248-354SBB	2	TPH as Motor Oil	62	
248TH ST	354	248-354SBB	5	TPH as Motor Oil	1200	
248TH ST	354	248-354SBB	10	TPH as Motor Oil	15000	
248TH ST	354	248-354SFB	0.5	TPH as Motor Oil	460	
248TH ST	354	248-354SFB	2	TPH as Motor Oil	9300	Y
248TH ST	354	248-354SFB	5	TPH as Motor Oil	1000	
248TH ST	354	248-354SFB	10	TPH as Motor Oil	12000	
248TH ST	360	248-360SBE	0.5	TPH as Motor Oil	610	
248TH ST	360	248-360SBE	2	TPH as Motor Oil	26	
248TH ST	360	248-360SBE	4	TPH as Motor Oil	2400	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

248TH ST	360	248-360SBE	5	TPH as Motor Oil	56	
248TH ST	360	248-360SBE	10	TPH as Motor Oil	2000	
248TH ST	360	248-360SBF	0.5	TPH as Motor Oil	87	
248TH ST	360	248-360SBF	2	TPH as Motor Oil	180	
248TH ST	360	248-360SBF	4	TPH as Motor Oil	1800	Y
248TH ST	360	248-360SBF	5	TPH as Motor Oil	28	
248TH ST	360	248-360SBF	10	TPH as Motor Oil	1200	
248TH ST	364	248-364SBA	0.5	TPH as Motor Oil	3900	
248TH ST	364	248-364SBA	2	TPH as Motor Oil	3100	
248TH ST	364	248-364SBA	5	TPH as Motor Oil	3500	Y
248TH ST	364	248-364SBA	10	TPH as Motor Oil	470	
248TH ST	364	248-364SBB	0.5	TPH as Motor Oil	390	
248TH ST	364	248-364SBB	2	TPH as Motor Oil	390	
248TH ST	364	248-364SBB	5	TPH as Motor Oil	2500	Y
248TH ST	364	248-364SBB	10	TPH as Motor Oil	470	
248TH ST	364	248-364SBC	0.5	TPH as Motor Oil	470	
248TH ST	364	248-364SBC	2	TPH as Motor Oil	2400	Y
248TH ST	364	248-364SBC	5	TPH as Motor Oil	300	
248TH ST	364	248-364SBC	10	TPH as Motor Oil	470	
248TH ST	364	248-364SFB	0.5	TPH as Motor Oil	290	
248TH ST	364	248-364SFB	2	TPH as Motor Oil	1800	Y
248TH ST	364	248-364SFB	5	TPH as Motor Oil	260	
248TH ST	364	248-364SFB	10	TPH as Motor Oil	270	
248TH ST	364	248-364SFC	0.5	TPH as Motor Oil	540	
248TH ST	364	248-364SFC	2	TPH as Motor Oil	9000	Y
248TH ST	364	248-364SFC	4	TPH as Motor Oil	870	
248TH ST	364	248-364SFC	5	TPH as Motor Oil	14	
248TH ST	364	248-364SFC	10	TPH as Motor Oil	170	
248TH ST	364	248-364SFD	0.5	TPH as Motor Oil	3300	
248TH ST	364	248-364SFD	2	TPH as Motor Oil	6700	Y
248TH ST	364	248-364SFD	5	TPH as Motor Oil	460	
248TH ST	364	248-364SFD	10	TPH as Motor Oil	890	
248TH ST	364	248-364SFE	0.5	TPH as Motor Oil	720	
248TH ST	364	248-364SFE	2	TPH as Motor Oil	1600	
248TH ST	364	248-364SFE	3.5	TPH as Motor Oil	11000	Y
248TH ST	364	248-364SFE	5	TPH as Motor Oil	1600	
248TH ST	364	248-364SFE	10	TPH as Motor Oil	370	
248TH ST	364	248-364SFDA	2.5	TPH as Motor Oil	9200	Y
248TH ST	364	248-364SFDA	6	TPH as Motor Oil	430	
248TH ST	364	248-364SFDA	9.5	TPH as Motor Oil	9800	
248TH ST	374	248-374SBC	0.5	TPH as Motor Oil	760	
248TH ST	374	248-374SBC	2	TPH as Motor Oil	670	
248TH ST	374	248-374SBC	3.5	TPH as Motor Oil	2400	Y
248TH ST	374	248-374SBC	5	TPH as Motor Oil	57	
248TH ST	374	248-374SBC	9	TPH as Motor Oil	2300	
248TH ST	374	248-374SBC	10	TPH as Motor Oil	2700	
248TH ST	374	248-374SBD	0.5	TPH as Motor Oil	150	
248TH ST	374	248-374SBD	2	TPH as Motor Oil	1600	
248TH ST	374	248-374SBD	3	TPH as Motor Oil	1200	
248TH ST	374	248-374SBD	5	TPH as Motor Oil	2000	Y
248TH ST	374	248-374SBD	10	TPH as Motor Oil	310	
248TH ST	374	248-374SBE	0.5	TPH as Motor Oil	79	
248TH ST	374	248-374SBE	2	TPH as Motor Oil	880	
248TH ST	374	248-374SBE	3	TPH as Motor Oil	2600	Y
248TH ST	374	248-374SBE	5	TPH as Motor Oil	210	
248TH ST	374	248-374SBE	10	TPH as Motor Oil	1700	
248TH ST	374	248-374SBF	-0.5	TPH as Motor Oil	160	
248TH ST	374	248-374SBF	0.5	TPH as Motor Oil	590	
248TH ST	374	248-374SBF	2	TPH as Motor Oil	370	
248TH ST	374	248-374SBF	3	TPH as Motor Oil	5100	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

248TH ST	374	248-374SBF	5	TPH as Motor Oil	1000	
248TH ST	374	248-374SBF	10	TPH as Motor Oil	5400	
248TH ST	374	248-374SBG	0.5	TPH as Motor Oil	400	
248TH ST	374	248-374SBG	2	TPH as Motor Oil	140	
248TH ST	374	248-374SBG	3.5	TPH as Motor Oil	11000	Y
248TH ST	374	248-374SBG	5	TPH as Motor Oil	72	
248TH ST	374	248-374SBG	8.5	TPH as Motor Oil	1600	
248TH ST	374	248-374SBG	10	TPH as Motor Oil	2100	
248TH ST	374	248-374SBI	0.5	TPH as Motor Oil	110	
248TH ST	374	248-374SBI	2	TPH as Motor Oil	440	
248TH ST	374	248-374SBI	2.5	TPH as Motor Oil	54000	Y
248TH ST	374	248-374SBI	5	TPH as Motor Oil	800	
248TH ST	374	248-374SBI	5.5	TPH as Motor Oil	46000	Y
248TH ST	374	248-374SBI	10	TPH as Motor Oil	5200	
248TH ST	374	248-374SBJ	0.5	TPH as Motor Oil	1200	Y
248TH ST	374	248-374SBJ	2	TPH as Motor Oil	110	
248TH ST	374	248-374SBJ	4	TPH as Motor Oil	110	
248TH ST	374	248-374SBJ	5	TPH as Motor Oil	0	
248TH ST	374	248-374SBJ	6	TPH as Motor Oil	51000	Y
248TH ST	374	248-374SBJ	10	TPH as Motor Oil	1700	
248TH ST	374	248-374SBK	0.5	TPH as Motor Oil	180	
248TH ST	374	248-374SBK	2	TPH as Motor Oil	1700	
248TH ST	374	248-374SBK	3	TPH as Motor Oil	2100	Y
248TH ST	374	248-374SBK	5	TPH as Motor Oil	80	
248TH ST	374	248-374SBK	10	TPH as Motor Oil	2400	
248TH ST	374	248-374SBL	-0.5	TPH as Motor Oil	23	
248TH ST	374	248-374SBL	0.5	TPH as Motor Oil	1600	Y
248TH ST	374	248-374SBL	2	TPH as Motor Oil	300	
248TH ST	374	248-374SBL	4.5	TPH as Motor Oil	59000	Y
248TH ST	374	248-374SBL	5	TPH as Motor Oil	520	
248TH ST	374	248-374SBL	8	TPH as Motor Oil	51000	Y
248TH ST	374	248-374SBL	10	TPH as Motor Oil	1700	
248TH ST	374	248-374SFA	0.5	TPH as Motor Oil	290	
248TH ST	374	248-374SFA	2	TPH as Motor Oil	870	
248TH ST	374	248-374SFA	3	TPH as Motor Oil	3400	Y
248TH ST	374	248-374SFA	5	TPH as Motor Oil	590	
248TH ST	374	248-374SFA	10	TPH as Motor Oil	190	
248TH ST	374	248-374SFB	0.5	TPH as Motor Oil	1700	
248TH ST	374	248-374SFB	2	TPH as Motor Oil	3600	Y
248TH ST	374	248-374SFB	5	TPH as Motor Oil	0	
248TH ST	374	248-374SFB	6	TPH as Motor Oil	27000	Y
248TH ST	374	248-374SFB	8.5	TPH as Motor Oil	1200	
248TH ST	374	248-374SFB	10	TPH as Motor Oil	330	
248TH ST	374	248-374SFC	0.5	TPH as Motor Oil	1200	
248TH ST	374	248-374SFC	2	TPH as Motor Oil	5900	Y
248TH ST	374	248-374SFC	5	TPH as Motor Oil	100	
249TH ST	344	249-344SFA	0.5	TPH as Motor Oil	130	
249TH ST	344	249-344SFA	2	TPH as Motor Oil	1600	Y
249TH ST	344	249-344SFA	3.5	TPH as Motor Oil	170	
249TH ST	344	249-344SFA	5	TPH as Motor Oil	280	
249TH ST	344	249-344SFA	10	TPH as Motor Oil	29	
249TH ST	344	249-344SFD	0.5	TPH as Motor Oil	630	
249TH ST	344	249-344SFD	2	TPH as Motor Oil	2500	
249TH ST	344	249-344SFD	4	TPH as Motor Oil	2300	
249TH ST	344	249-344SFD	5	TPH as Motor Oil	7500	Y
249TH ST	344	249-344SFD	10	TPH as Motor Oil	140	
249TH ST	344	249-344SFAA	3	TPH as Motor Oil	3500	Y
249TH ST	344	249-344SFAA	5.5	TPH as Motor Oil	600	
249TH ST	344	249-344SFAA	7.5	TPH as Motor Oil	2600	
249TH ST	345	249-345SF	0.5	TPH as Motor Oil	390	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	345	249-345SF	5	TPH as Motor Oil	1600	Y
249TH ST	345	249-345SF	10	TPH as Motor Oil	160	
249TH ST	345	249-345SBB	0.5	TPH as Motor Oil	32	
249TH ST	345	249-345SBB	2	TPH as Motor Oil	910	
249TH ST	345	249-345SBB	4	TPH as Motor Oil	1800	Y
249TH ST	345	249-345SBB	5	TPH as Motor Oil	0	
249TH ST	345	249-345SBB	10	TPH as Motor Oil	0	
249TH ST	345	249-345SBC	0.5	TPH as Motor Oil	1600	Y
249TH ST	345	249-345SBC	2	TPH as Motor Oil	12	
249TH ST	345	249-345SBC	4.5	TPH as Motor Oil	0	
249TH ST	345	249-345SBC	5	TPH as Motor Oil	0	
249TH ST	345	249-345SBC	10	TPH as Motor Oil	0	
249TH ST	345	249-345SFA	0.5	TPH as Motor Oil	150	
249TH ST	345	249-345SFA	2	TPH as Motor Oil	440	
249TH ST	345	249-345SFA	5	TPH as Motor Oil	1200	Y
249TH ST	345	249-345SFA	10	TPH as Motor Oil	71	
249TH ST	345	249-345SFB	0.5	TPH as Motor Oil	2200	Y
249TH ST	345	249-345SFB	2	TPH as Motor Oil	280	
249TH ST	345	249-345SFB	5	TPH as Motor Oil	34	
249TH ST	345	249-345SFB	10	TPH as Motor Oil	370	
249TH ST	345	249-345SFC	0.5	TPH as Motor Oil	3700	
249TH ST	345	249-345SFC	2	TPH as Motor Oil	840	
249TH ST	345	249-345SFC	5	TPH as Motor Oil	720	
249TH ST	345	249-345SFC	9	TPH as Motor Oil	48000	Y
249TH ST	345	249-345SFC	10	TPH as Motor Oil	340	
249TH ST	345	249-345SFE	0.5	TPH as Motor Oil	79	
249TH ST	345	249-345SFE	2	TPH as Motor Oil	6900	Y
249TH ST	345	249-345SFE	5	TPH as Motor Oil	520	
249TH ST	345	249-345SFE	8	TPH as Motor Oil	36000	Y
249TH ST	345	249-345SFE	10	TPH as Motor Oil	71	
249TH ST	345	249-345SFFA	5	TPH as Motor Oil	85	
249TH ST	345	249-345SFFA	6	TPH as Motor Oil	1200	Y
249TH ST	345	249-345SFFA	10	TPH as Motor Oil	43	
249TH ST	345	249-345SFH	0.5	TPH as Motor Oil	2100	Y
249TH ST	345	249-345SFH	2	TPH as Motor Oil	290	
249TH ST	345	249-345SFH	5	TPH as Motor Oil	180	
249TH ST	345	249-345SFH	6	TPH as Motor Oil	8900	Y
249TH ST	345	249-345SFH	10	TPH as Motor Oil	76	
249TH ST	345	249-345SFI	0.5	TPH as Motor Oil	800	
249TH ST	345	249-345SFI	2	TPH as Motor Oil	150	
249TH ST	345	249-345SFI	5	TPH as Motor Oil	330	
249TH ST	345	249-345SFI	6	TPH as Motor Oil	1300	Y
249TH ST	345	249-345SFI	10	TPH as Motor Oil	0	
249TH ST	345	249-345SFJ	0.5	TPH as Motor Oil	150	
249TH ST	345	249-345SFJ	2	TPH as Motor Oil	280	
249TH ST	345	249-345SFJ	5	TPH as Motor Oil	3200	Y
249TH ST	345	249-345SFJ	10	TPH as Motor Oil	0	
249TH ST	345	249-345SBF	0.5	TPH as Motor Oil	490	
249TH ST	345	249-345SBF	2	TPH as Motor Oil	830	
249TH ST	345	249-345SBF	5	TPH as Motor Oil	5300	Y
249TH ST	345	249-345SBF	10	TPH as Motor Oil	41	
249TH ST	348	249-348SFA	0.5	TPH as Motor Oil	600	
249TH ST	348	249-348SFA	2	TPH as Motor Oil	1600	
249TH ST	348	249-348SFA	5	TPH as Motor Oil	2300	
249TH ST	348	249-348SFA	9	TPH as Motor Oil	5700	Y
249TH ST	348	249-348SFA	10	TPH as Motor Oil	320	
249TH ST	348	249-348SFB	0.5	TPH as Motor Oil	270	
249TH ST	348	249-348SFB	2	TPH as Motor Oil	320	
249TH ST	348	249-348SFB	5	TPH as Motor Oil	3800	
249TH ST	348	249-348SFB	7	TPH as Motor Oil	4300	Y

TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

249TH ST	348	249-348SFB	10	TPH as Motor Oil	380	
249TH ST	348	249-348SFC	0.5	TPH as Motor Oil	880	
249TH ST	348	249-348SFC	2	TPH as Motor Oil	310	
249TH ST	348	249-348SFC	4	TPH as Motor Oil	7200	Y
249TH ST	348	249-348SFC	5	TPH as Motor Oil	750	
249TH ST	348	249-348SFC	10	TPH as Motor Oil	380	
249TH ST	348	249-348SFFA	5	TPH as Motor Oil	2100	
249TH ST	348	249-348SFFA	6.5	TPH as Motor Oil	3400	Y
249TH ST	348	249-348SFFA	10	TPH as Motor Oil	210	
249TH ST	348	249-348SFH	0.5	TPH as Motor Oil	310	
249TH ST	348	249-348SFH	2	TPH as Motor Oil	420	
249TH ST	348	249-348SFH	5	TPH as Motor Oil	9.9	
249TH ST	348	249-348SFH	8.5	TPH as Motor Oil	3300	Y
249TH ST	348	249-348SFH	10	TPH as Motor Oil	110	
249TH ST	352	249-352SBD	0.5	TPH as Motor Oil	660	
249TH ST	352	249-352SBD	2	TPH as Motor Oil	2600	
249TH ST	352	249-352SBD	5	TPH as Motor Oil	1600	Y
249TH ST	352	249-352SBD	10	TPH as Motor Oil	46	
249TH ST	352	249-352SFB	0.5	TPH as Motor Oil	600	
249TH ST	352	249-352SFB	2	TPH as Motor Oil	1700	
249TH ST	352	249-352SFB	5	TPH as Motor Oil	1500	
249TH ST	352	249-352SFB	8	TPH as Motor Oil	9500	Y
249TH ST	352	249-352SFB	10	TPH as Motor Oil	240	
249TH ST	353	249-353SBB	0.5	TPH as Motor Oil	1600	Y
249TH ST	353	249-353SBB	2	TPH as Motor Oil	230	
249TH ST	353	249-353SBB	5	TPH as Motor Oil	10000	
249TH ST	353	249-353SBB	10	TPH as Motor Oil	2300	
249TH ST	353	249-353SBC	0.5	TPH as Motor Oil	2100	Y
249TH ST	353	249-353SBC	2	TPH as Motor Oil	330	
249TH ST	353	249-353SBC	5	TPH as Motor Oil	74	
249TH ST	353	249-353SBC	10	TPH as Motor Oil	0	
249TH ST	353	249-353SBD	0.5	TPH as Motor Oil	1900	Y
249TH ST	353	249-353SBD	2	TPH as Motor Oil	350	
249TH ST	353	249-353SBD	5	TPH as Motor Oil	130	
249TH ST	353	249-353SBD	10	TPH as Motor Oil	0	
249TH ST	353	249-353SFD	0.5	TPH as Motor Oil	170	
249TH ST	353	249-353SFD	2	TPH as Motor Oil	100	
249TH ST	353	249-353SFD	5	TPH as Motor Oil	4000	Y
249TH ST	353	249-353SFD	10	TPH as Motor Oil	36	
249TH ST	357	249-357SBB	0.5	TPH as Motor Oil	2400	Y
249TH ST	357	249-357SBB	2	TPH as Motor Oil	63	
249TH ST	357	249-357SBB	5	TPH as Motor Oil	350	
249TH ST	357	249-357SBB	10	TPH as Motor Oil	1700	
249TH ST	357	249-357SBC	0.5	TPH as Motor Oil	2100	Y
249TH ST	357	249-357SBC	2	TPH as Motor Oil	150	
249TH ST	357	249-357SBC	5	TPH as Motor Oil	750	
249TH ST	357	249-357SBC	10	TPH as Motor Oil	7300	
249TH ST	357	249-357SFB	0.5	TPH as Motor Oil	1000	
249TH ST	357	249-357SFB	2	TPH as Motor Oil	2000	Y
249TH ST	357	249-357SFB	5	TPH as Motor Oil	0	
249TH ST	357	249-357SFB	10	TPH as Motor Oil	0	
249TH ST	358	249-358SBA	0.5	TPH as Motor Oil	1200	
249TH ST	358	249-358SBA	2	TPH as Motor Oil	1800	Y
249TH ST	358	249-358SBA	5	TPH as Motor Oil	32	
249TH ST	358	249-358SBA	10	TPH as Motor Oil	59	
249TH ST	358	249-358SBD	0.5	TPH as Motor Oil	540	
249TH ST	358	249-358SBD	2	TPH as Motor Oil	1300	Y
249TH ST	358	249-358SBD	5	TPH as Motor Oil	17	
249TH ST	358	249-358SBD	10	TPH as Motor Oil	13	
249TH ST	358	249-358SFD	0.5	TPH as Motor Oil	500	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	358	249-358SFD	2	TPH as Motor Oil	4800	
249TH ST	358	249-358SFD	3	TPH as Motor Oil	10000	Y
249TH ST	358	249-358SFD	5	TPH as Motor Oil	1500	Y
249TH ST	358	249-358SFD	10	TPH as Motor Oil	150	
249TH ST	358	249-358SFEA	2	TPH as Motor Oil	1500	
249TH ST	358	249-358SFEA	3	TPH as Motor Oil	15000	Y
249TH ST	358	249-358SFEA	5	TPH as Motor Oil	770	
249TH ST	358	249-358SFEA	10	TPH as Motor Oil	250	
249TH ST	362	249-362SBB	0.5	TPH as Motor Oil	3400	Y
249TH ST	362	249-362SBB	2	TPH as Motor Oil	240	
249TH ST	362	249-362SBB	5	TPH as Motor Oil	0	
249TH ST	362	249-362SBB	10	TPH as Motor Oil	0	
249TH ST	362	249-362SBC	0.5	TPH as Motor Oil	1100	Y
249TH ST	362	249-362SBC	2	TPH as Motor Oil	22	
249TH ST	362	249-362SBC	5	TPH as Motor Oil	170	
249TH ST	362	249-362SBC	10	TPH as Motor Oil	16	
249TH ST	362	249-362SFA	0.5	TPH as Motor Oil	37	
249TH ST	362	249-362SFA	2	TPH as Motor Oil	3000	Y
249TH ST	362	249-362SFA	4	TPH as Motor Oil	0	
249TH ST	362	249-362SFA	5	TPH as Motor Oil	0	
249TH ST	362	249-362SFA	10	TPH as Motor Oil	0	
249TH ST	362	249-362SFB	0.5	TPH as Motor Oil	86	
249TH ST	362	249-362SFB	2	TPH as Motor Oil	2400	Y
249TH ST	362	249-362SFB	5	TPH as Motor Oil	44	
249TH ST	362	249-362SFB	10	TPH as Motor Oil	0	
249TH ST	362	249-362SFC	0.5	TPH as Motor Oil	1700	
249TH ST	362	249-362SFC	2	TPH as Motor Oil	1500	Y
249TH ST	362	249-362SFC	5	TPH as Motor Oil	9.5	
249TH ST	362	249-362SFC	10	TPH as Motor Oil	0	
249TH ST	367	249-367SFD	0.5	TPH as Motor Oil	93	
249TH ST	367	249-367SFD	2	TPH as Motor Oil	1400	
249TH ST	367	249-367SFD	5	TPH as Motor Oil	1600	
249TH ST	367	249-367SFD	5.5	TPH as Motor Oil	2600	
249TH ST	367	249-367SFD	7	TPH as Motor Oil	6000	Y
249TH ST	367	249-367SFD	10	TPH as Motor Oil	750	
249TH ST	368	249-368SBB	0.5	TPH as Motor Oil	1300	
249TH ST	368	249-368SBB	2	TPH as Motor Oil	340	
249TH ST	368	249-368SBB	5	TPH as Motor Oil	3700	Y
249TH ST	368	249-368SBB	10	TPH as Motor Oil	100	
249TH ST	368	249-368SBE	0.5	TPH as Motor Oil	790	
249TH ST	368	249-368SBE	2	TPH as Motor Oil	980	
249TH ST	368	249-368SBE	5	TPH as Motor Oil	2300	Y
249TH ST	368	249-368SBE	10	TPH as Motor Oil	85	
249TH ST	368	249-368SBF	0.5	TPH as Motor Oil	140	
249TH ST	368	249-368SBF	2	TPH as Motor Oil	310	
249TH ST	368	249-368SBF	5	TPH as Motor Oil	1700	Y
249TH ST	368	249-368SBF	10	TPH as Motor Oil	43	
249TH ST	368	249-368SFB	0.5	TPH as Motor Oil	2100	Y
249TH ST	368	249-368SFB	2	TPH as Motor Oil	160	
249TH ST	368	249-368SFB	5	TPH as Motor Oil	0	
249TH ST	368	249-368SFB	10	TPH as Motor Oil	110	
249TH ST	368	249-368SFC	0.5	TPH as Motor Oil	1800	
249TH ST	368	249-368SFC	2	TPH as Motor Oil	2000	
249TH ST	368	249-368SFC	3.5	TPH as Motor Oil	1900	Y
249TH ST	368	249-368SFC	5	TPH as Motor Oil	340	
249TH ST	368	249-368SFC	10	TPH as Motor Oil	190	
249TH ST	368	249-368SFD	0.5	TPH as Motor Oil	390	
249TH ST	368	249-368SFD	2	TPH as Motor Oil	980	
249TH ST	368	249-368SFD	3.5	TPH as Motor Oil	3900	Y
249TH ST	368	249-368SFD	5	TPH as Motor Oil	82	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	368	249-368SFD	10	TPH as Motor Oil	29	
249TH ST	368	249-368SFE	0.5	TPH as Motor Oil	110	
249TH ST	368	249-368SFE	2	TPH as Motor Oil	3500	Y
249TH ST	368	249-368SFE	3.5	TPH as Motor Oil	80	
249TH ST	368	249-368SFE	5	TPH as Motor Oil	67	
249TH ST	368	249-368SFE	10	TPH as Motor Oil	40	
249TH ST	368	249-368SFF	0.5	TPH as Motor Oil	110	
249TH ST	368	249-368SFF	2	TPH as Motor Oil	95	
249TH ST	368	249-368SFF	3.5	TPH as Motor Oil	20000	Y
249TH ST	368	249-368SFF	4	TPH as Motor Oil	2500	
249TH ST	368	249-368SFF	5	TPH as Motor Oil	12000	Y
249TH ST	368	249-368SFF	10	TPH as Motor Oil	1400	
249TH ST	373	249-373SBA	-0.5	TPH as Motor Oil	250	
249TH ST	373	249-373SBA	0.5	TPH as Motor Oil	300	
249TH ST	373	249-373SBA	2	TPH as Motor Oil	770	
249TH ST	373	249-373SBA	4	TPH as Motor Oil	1300	
249TH ST	373	249-373SBA	5	TPH as Motor Oil	2800	Y
249TH ST	373	249-373SBA	8.5	TPH as Motor Oil	390	
249TH ST	373	249-373SFC	0.5	TPH as Motor Oil	110	
249TH ST	373	249-373SFC	2	TPH as Motor Oil	1000	Y
249TH ST	373	249-373SFC	5	TPH as Motor Oil	140	
249TH ST	373	249-373SFC	6	TPH as Motor Oil	2000	
249TH ST	374	249-374SBA	0.5	TPH as Motor Oil	310	
249TH ST	374	249-374SBA	2	TPH as Motor Oil	2000	
249TH ST	374	249-374SBA	5	TPH as Motor Oil	2500	Y
249TH ST	374	249-374SBA	10	TPH as Motor Oil	120	
249TH ST	377	249-377SBC	0.5	TPH as Motor Oil	95	
249TH ST	377	249-377SBC	2	TPH as Motor Oil	7900	Y
249TH ST	377	249-377SBC	5	TPH as Motor Oil	500	
249TH ST	377	249-377SBC	10	TPH as Motor Oil	6200	
249TH ST	377	249-377SFB	0.5	TPH as Motor Oil	520	
249TH ST	377	249-377SFB	2	TPH as Motor Oil	170	
249TH ST	377	249-377SFB	4	TPH as Motor Oil	5000	Y
249TH ST	377	249-377SFB	5	TPH as Motor Oil	130	
249TH ST	377	249-377SFB	10	TPH as Motor Oil	5700	
249TH ST	377	249-377SFC	0.5	TPH as Motor Oil	370	
249TH ST	377	249-377SFC	2	TPH as Motor Oil	26	
249TH ST	377	249-377SFC	3.5	TPH as Motor Oil	7000	Y
249TH ST	377	249-377SFC	5	TPH as Motor Oil	210	
249TH ST	377	249-377SFC	10	TPH as Motor Oil	8400	
249TH ST	378	249-378SBA	0.5	TPH as Motor Oil	490	
249TH ST	378	249-378SBA	2	TPH as Motor Oil	37	
249TH ST	378	249-378SBA	3	TPH as Motor Oil	11000	Y
249TH ST	378	249-378SBA	5	TPH as Motor Oil	0	
249TH ST	378	249-378SBA	10	TPH as Motor Oil	15	
249TH ST	378	249-378SBB	0.5	TPH as Motor Oil	1600	Y
249TH ST	378	249-378SBB	2	TPH as Motor Oil	250	
249TH ST	378	249-378SBB	5	TPH as Motor Oil	37	
249TH ST	378	249-378SBB	10	TPH as Motor Oil	0	
249TH ST	378	249-378SFA	0.5	TPH as Motor Oil	50	
249TH ST	378	249-378SFA	2	TPH as Motor Oil	130	
249TH ST	378	249-378SFA	3	TPH as Motor Oil	9000	Y
249TH ST	378	249-378SFA	5	TPH as Motor Oil	54	
249TH ST	378	249-378SFA	10	TPH as Motor Oil	2700	
249TH ST	378	249-378SFC	0.5	TPH as Motor Oil	180	
249TH ST	378	249-378SFC	2	TPH as Motor Oil	230	
249TH ST	378	249-378SFC	3	TPH as Motor Oil	2200	Y
249TH ST	378	249-378SFC	5	TPH as Motor Oil	30	
249TH ST	378	249-378SFC	10	TPH as Motor Oil	13	
249TH ST	383	249-383SBB	0.5	TPH as Motor Oil	300	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

249TH ST	383	249-383SBB	2	TPH as Motor Oil	550	
249TH ST	383	249-383SBB	3	TPH as Motor Oil	2200	
249TH ST	383	249-383SBB	5	TPH as Motor Oil	1400	Y
249TH ST	383	249-383SBB	10	TPH as Motor Oil	56	
249TH ST	383	249-383SBD	0.5	TPH as Motor Oil	110	
249TH ST	383	249-383SBD	2	TPH as Motor Oil	3000	Y
249TH ST	383	249-383SBD	5	TPH as Motor Oil	300	
249TH ST	383	249-383SBD	10	TPH as Motor Oil	4100	
249TH ST	402	249-402SBA	0.5	TPH as Motor Oil	230	
249TH ST	402	249-402SBA	2	TPH as Motor Oil	230	
249TH ST	402	249-402SBA	5	TPH as Motor Oil	13000	Y
249TH ST	402	249-402SBA	10	TPH as Motor Oil	0	
249TH ST	402	249-402SFA	0.5	TPH as Motor Oil	720	
249TH ST	402	249-402SFA	2	TPH as Motor Oil	1100	Y
249TH ST	402	249-402SFA	5	TPH as Motor Oil	53	
249TH ST	402	249-402SFA	10	TPH as Motor Oil	27	
249TH ST	402	249-402SFC	0.5	TPH as Motor Oil	420	
249TH ST	402	249-402SFC	2	TPH as Motor Oil	1200	Y
249TH ST	402	249-402SFC	5	TPH as Motor Oil	0	
249TH ST	402	249-402SFC	10	TPH as Motor Oil	0	
249TH ST	412	249-412SBE	0.5	TPH as Motor Oil	20	
249TH ST	412	249-412SBE	2	TPH as Motor Oil	2100	Y
249TH ST	412	249-412SBE	5	TPH as Motor Oil	0	
249TH ST	412	249-412SBE	10	TPH as Motor Oil	0	
249TH ST	412	249-412SFE	0.5	TPH as Motor Oil	820	
249TH ST	412	249-412SFE	2	TPH as Motor Oil	5100	Y
249TH ST	412	249-412SFE	5	TPH as Motor Oil	110	
249TH ST	412	249-412SFE	9.5	TPH as Motor Oil	78000	Y
249TH ST	412	249-412SFE	10	TPH as Motor Oil	290	
MARBELLA AVE	24405	M-24405SFC	0.5	TPH as Motor Oil	2400	
MARBELLA AVE	24405	M-24405SFC	2	TPH as Motor Oil	1200	Y
MARBELLA AVE	24405	M-24405SFC	5	TPH as Motor Oil	11	
MARBELLA AVE	24405	M-24405SFC	10	TPH as Motor Oil	0	
MARBELLA AVE	24406	M-24406SBA	0.5	TPH as Motor Oil	11000	Y
MARBELLA AVE	24406	M-24406SBA	2	TPH as Motor Oil	710	
MARBELLA AVE	24406	M-24406SBA	5	TPH as Motor Oil	23	
MARBELLA AVE	24406	M-24406SBA	10	TPH as Motor Oil	180	
MARBELLA AVE	24411	M-24411SFA	0.5	TPH as Motor Oil	220	
MARBELLA AVE	24411	M-24411SFA	2	TPH as Motor Oil	3600	Y
MARBELLA AVE	24411	M-24411SFA	5	TPH as Motor Oil	44	
MARBELLA AVE	24411	M-24411SFA	10	TPH as Motor Oil	26	
MARBELLA AVE	24411	M-24411SFB	0.5	TPH as Motor Oil	650	
MARBELLA AVE	24411	M-24411SFB	2	TPH as Motor Oil	1400	Y
MARBELLA AVE	24411	M-24411SFB	5	TPH as Motor Oil	13	
MARBELLA AVE	24411	M-24411SFB	10	TPH as Motor Oil	0	
MARBELLA AVE	24411	M-24411SFD	0.5	TPH as Motor Oil	13000	
MARBELLA AVE	24411	M-24411SFD	2	TPH as Motor Oil	15000	Y
MARBELLA AVE	24411	M-24411SFD	5	TPH as Motor Oil	0	
MARBELLA AVE	24411	M-24411SFD	10	TPH as Motor Oil	0	
MARBELLA AVE	24411	M-24411SFE	0.5	TPH as Motor Oil	72000	Y
MARBELLA AVE	24411	M-24411SFE	2	TPH as Motor Oil	7400	
MARBELLA AVE	24411	M-24411SFE	3	TPH as Motor Oil	13000	Y
MARBELLA AVE	24411	M-24411SFE	5	TPH as Motor Oil	1100	Y
MARBELLA AVE	24411	M-24411SFE	10	TPH as Motor Oil	0	
MARBELLA AVE	24412	M-24412SB	0.5	TPH as Motor Oil	410	
MARBELLA AVE	24412	M-24412SB	2	TPH as Motor Oil	3400	Y
MARBELLA AVE	24412	M-24412SB	5	TPH as Motor Oil	170	
MARBELLA AVE	24412	M-24412SFC	0.5	TPH as Motor Oil	360	
MARBELLA AVE	24412	M-24412SFC	2	TPH as Motor Oil	580	
MARBELLA AVE	24412	M-24412SFC	3	TPH as Motor Oil	2200	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24412	M-24412SFC	5	TPH as Motor Oil	21000	Y
MARBELLA AVE	24412	M-24412SFC	10	TPH as Motor Oil	0	
MARBELLA AVE	24416	M-24416SBE	0.5	TPH as Motor Oil	32	
MARBELLA AVE	24416	M-24416SBE	2	TPH as Motor Oil	200	
MARBELLA AVE	24416	M-24416SBE	4	TPH as Motor Oil	9100	Y
MARBELLA AVE	24416	M-24416SBE	5	TPH as Motor Oil	1200	
MARBELLA AVE	24416	M-24416SBE	7.5	TPH as Motor Oil	690	
MARBELLA AVE	24422	M-24422SBD	0.5	TPH as Motor Oil	900	
MARBELLA AVE	24422	M-24422SBD	2	TPH as Motor Oil	1200	
MARBELLA AVE	24422	M-24422SBD	5	TPH as Motor Oil	1700	Y
MARBELLA AVE	24422	M-24422SBD	7.5	TPH as Motor Oil	27	
MARBELLA AVE	24422	M-24422SFC	0.5	TPH as Motor Oil	510	
MARBELLA AVE	24422	M-24422SFC	2	TPH as Motor Oil	810	
MARBELLA AVE	24422	M-24422SFC	5	TPH as Motor Oil	3200	Y
MARBELLA AVE	24422	M-24422SFC	7	TPH as Motor Oil	160	
MARBELLA AVE	24426	M-24426SFA	0.5	TPH as Motor Oil	3100	
MARBELLA AVE	24426	M-24426SFA	2	TPH as Motor Oil	2600	
MARBELLA AVE	24426	M-24426SFA	3	TPH as Motor Oil	1400	Y
MARBELLA AVE	24426	M-24426SFA	5	TPH as Motor Oil	70	
MARBELLA AVE	24426	M-24426SFA	7	TPH as Motor Oil	16000	
MARBELLA AVE	24432	M-24432SBB	0.5	TPH as Motor Oil	2700	
MARBELLA AVE	24432	M-24432SBB	2	TPH as Motor Oil	1900	
MARBELLA AVE	24432	M-24432SBB	3.5	TPH as Motor Oil	5400	Y
MARBELLA AVE	24432	M-24432SBB	5	TPH as Motor Oil	1000	
MARBELLA AVE	24432	M-24432SBB	8.5	TPH as Motor Oil	6500	
MARBELLA AVE	24432	M-24432SBE	0.5	TPH as Motor Oil	620	
MARBELLA AVE	24432	M-24432SBE	2	TPH as Motor Oil	1400	
MARBELLA AVE	24432	M-24432SBE	3.5	TPH as Motor Oil	2000	Y
MARBELLA AVE	24432	M-24432SBE	5	TPH as Motor Oil	80	
MARBELLA AVE	24432	M-24432SBE	8	TPH as Motor Oil	1100	
MARBELLA AVE	24432	M-24432SBF	0.5	TPH as Motor Oil	97	
MARBELLA AVE	24432	M-24432SBF	2	TPH as Motor Oil	1100	
MARBELLA AVE	24432	M-24432SBF	2.5	TPH as Motor Oil	1600	Y
MARBELLA AVE	24432	M-24432SBF	5	TPH as Motor Oil	160	
MARBELLA AVE	24432	M-24432SBF	8	TPH as Motor Oil	11000	
MARBELLA AVE	24432	M-24432SBH	0.5	TPH as Motor Oil	480	
MARBELLA AVE	24432	M-24432SBH	2	TPH as Motor Oil	3500	Y
MARBELLA AVE	24432	M-24432SBH	5	TPH as Motor Oil	70	
MARBELLA AVE	24432	M-24432SBH	7.5	TPH as Motor Oil	16000	
MARBELLA AVE	24432	M-24432SFB	0.5	TPH as Motor Oil	680	
MARBELLA AVE	24432	M-24432SFB	2	TPH as Motor Oil	2100	Y
MARBELLA AVE	24432	M-24432SFB	4	TPH as Motor Oil	350	
MARBELLA AVE	24432	M-24432SFB	5	TPH as Motor Oil	220	
MARBELLA AVE	24432	M-24432SFB	7	TPH as Motor Oil	540	
MARBELLA AVE	24433	M-24433SB	0.5	TPH as Motor Oil	25	
MARBELLA AVE	24433	M-24433SB	2	TPH as Motor Oil	37000	Y
MARBELLA AVE	24433	M-24433SB	5	TPH as Motor Oil	0	
MARBELLA AVE	24433	M-24433SB	10	TPH as Motor Oil	54	
MARBELLA AVE	24502	M-24502SFA	0.5	TPH as Motor Oil	1700	
MARBELLA AVE	24502	M-24502SFA	2	TPH as Motor Oil	3500	Y
MARBELLA AVE	24502	M-24502SFA	3.5	TPH as Motor Oil	500	
MARBELLA AVE	24502	M-24502SFA	5	TPH as Motor Oil	6500	
MARBELLA AVE	24502	M-24502SFA	7	TPH as Motor Oil	9300	
MARBELLA AVE	24506	M-24506SB	-1.5	TPH as Motor Oil	500	
MARBELLA AVE	24506	M-24506SB	0.5	TPH as Motor Oil	1300	Y
MARBELLA AVE	24506	M-24506SB	2	TPH as Motor Oil	180	
MARBELLA AVE	24506	M-24506SB	5	TPH as Motor Oil	270	
MARBELLA AVE	24506	M-24506SFE	0.5	TPH as Motor Oil	320	
MARBELLA AVE	24506	M-24506SFE	2	TPH as Motor Oil	1200	Y
MARBELLA AVE	24506	M-24506SFE	5	TPH as Motor Oil	70	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24506	M-24506SFE	8	TPH as Motor Oil	910	
MARBELLA AVE	24507	M-24507SBA	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24507	M-24507SBA	2	TPH as Motor Oil	1100	Y
MARBELLA AVE	24507	M-24507SBA	5	TPH as Motor Oil	0	
MARBELLA AVE	24507	M-24507SBA	10	TPH as Motor Oil	0	
MARBELLA AVE	24507	M-24507SFD	0.5	TPH as Motor Oil	1500	Y
MARBELLA AVE	24507	M-24507SFD	2	TPH as Motor Oil	94	
MARBELLA AVE	24507	M-24507SFD	5	TPH as Motor Oil	0	
MARBELLA AVE	24507	M-24507SFD	10	TPH as Motor Oil	0	
MARBELLA AVE	24512	M-24512SBA	0.5	TPH as Motor Oil	1100	Y
MARBELLA AVE	24512	M-24512SBA	2	TPH as Motor Oil	210	
MARBELLA AVE	24512	M-24512SBA	5	TPH as Motor Oil	4400	
MARBELLA AVE	24512	M-24512SBA	7.5	TPH as Motor Oil	22000	
MARBELLA AVE	24512	M-24512SFBA	2	TPH as Motor Oil	380	
MARBELLA AVE	24512	M-24512SFBA	5	TPH as Motor Oil	7700	Y
MARBELLA AVE	24512	M-24512SFBA	7	TPH as Motor Oil	320	
MARBELLA AVE	24517	M-24517SF	0.5	TPH as Motor Oil	70	
MARBELLA AVE	24517	M-24517SF	2	TPH as Motor Oil	0	
MARBELLA AVE	24517	M-24517SF	5	TPH as Motor Oil	1800	Y
MARBELLA AVE	24517	M-24517SF	10	TPH as Motor Oil	0	
MARBELLA AVE	24522	M-24522SFC	0.5	TPH as Motor Oil	170	
MARBELLA AVE	24522	M-24522SFC	2	TPH as Motor Oil	89	
MARBELLA AVE	24522	M-24522SFC	5	TPH as Motor Oil	910	
MARBELLA AVE	24522	M-24522SFC	8	TPH as Motor Oil	8500	Y
MARBELLA AVE	24522	M-24522SFC	10	TPH as Motor Oil	930	
MARBELLA AVE	24523	M-24523SBC	0.5	TPH as Motor Oil	290	
MARBELLA AVE	24523	M-24523SBC	2	TPH as Motor Oil	150	
MARBELLA AVE	24523	M-24523SBC	5	TPH as Motor Oil	5400	Y
MARBELLA AVE	24523	M-24523SBC	10	TPH as Motor Oil	19	
MARBELLA AVE	24532	M-24532SF	0.5	TPH as Motor Oil	300	
MARBELLA AVE	24532	M-24532SF	2	TPH as Motor Oil	100	
MARBELLA AVE	24532	M-24532SF	5	TPH as Motor Oil	1600	
MARBELLA AVE	24532	M-24532SF	10	TPH as Motor Oil	2300	Y
MARBELLA AVE	24532	M-24532SF	15	TPH as Motor Oil	34	
MARBELLA AVE	24602	M-24602SFC	0.5	TPH as Motor Oil	81	
MARBELLA AVE	24602	M-24602SFC	2	TPH as Motor Oil	1000	Y
MARBELLA AVE	24602	M-24602SFC	5	TPH as Motor Oil	47	
MARBELLA AVE	24602	M-24602SFC	6.5	TPH as Motor Oil	3000	
MARBELLA AVE	24602	M-24602SFC	10	TPH as Motor Oil	9500	
MARBELLA AVE	24603	M-24603SF	0.5	TPH as Motor Oil	100	
MARBELLA AVE	24603	M-24603SF	5	TPH as Motor Oil	18000	Y
MARBELLA AVE	24603	M-24603SF	10	TPH as Motor Oil	0	
MARBELLA AVE	24603	M-24603SF3	0.5	TPH as Motor Oil	94	
MARBELLA AVE	24603	M-24603SF3	2	TPH as Motor Oil	0	
MARBELLA AVE	24603	M-24603SF3	5	TPH as Motor Oil	6100	Y
MARBELLA AVE	24603	M-24603SF3	10	TPH as Motor Oil	120	
MARBELLA AVE	24606	M-24606SBC	0.5	TPH as Motor Oil	280	
MARBELLA AVE	24606	M-24606SBC	2	TPH as Motor Oil	57	
MARBELLA AVE	24606	M-24606SBC	5	TPH as Motor Oil	17000	Y
MARBELLA AVE	24606	M-24606SBC	7	TPH as Motor Oil	770	
MARBELLA AVE	24606	M-24606SBC	10	TPH as Motor Oil	64	
MARBELLA AVE	24606	M-24606SBD	0.5	TPH as Motor Oil	200	
MARBELLA AVE	24606	M-24606SBD	2	TPH as Motor Oil	1900	Y
MARBELLA AVE	24606	M-24606SBD	5	TPH as Motor Oil	12	
MARBELLA AVE	24606	M-24606SBD	10	TPH as Motor Oil	0	
MARBELLA AVE	24606	M-24606SBE	0.5	TPH as Motor Oil	14	
MARBELLA AVE	24606	M-24606SBE	2	TPH as Motor Oil	26	
MARBELLA AVE	24606	M-24606SBE	4	TPH as Motor Oil	17000	
MARBELLA AVE	24606	M-24606SBE	5	TPH as Motor Oil	17000	Y
MARBELLA AVE	24606	M-24606SBE	10	TPH as Motor Oil	2200	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24606	M-24606SFC	0.5	TPH as Motor Oil	130	
MARBELLA AVE	24606	M-24606SFC	2	TPH as Motor Oil	0	
MARBELLA AVE	24606	M-24606SFC	4	TPH as Motor Oil	7400	
MARBELLA AVE	24606	M-24606SFC	5	TPH as Motor Oil	11000	Y
MARBELLA AVE	24606	M-24606SFC	10	TPH as Motor Oil	1800	
MARBELLA AVE	24606	M-24606SFE	0.5	TPH as Motor Oil	480	
MARBELLA AVE	24606	M-24606SFE	2	TPH as Motor Oil	1000	Y
MARBELLA AVE	24606	M-24606SFE	4.5	TPH as Motor Oil	130	
MARBELLA AVE	24606	M-24606SFE	5	TPH as Motor Oil	0	
MARBELLA AVE	24606	M-24606SFE	10	TPH as Motor Oil	0	
MARBELLA AVE	24606	M-24606SFF	0.5	TPH as Motor Oil	300	
MARBELLA AVE	24606	M-24606SFF	2	TPH as Motor Oil	180	
MARBELLA AVE	24606	M-24606SFF	4.5	TPH as Motor Oil	7700	Y
MARBELLA AVE	24606	M-24606SFF	5	TPH as Motor Oil	480	
MARBELLA AVE	24606	M-24606SFF	10	TPH as Motor Oil	19	
MARBELLA AVE	24607	M-24607SFB	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24607	M-24607SFB	2	TPH as Motor Oil	1500	Y
MARBELLA AVE	24607	M-24607SFB	5	TPH as Motor Oil	0	
MARBELLA AVE	24607	M-24607SFB	10	TPH as Motor Oil	0	
MARBELLA AVE	24612	M-24612SFC	0.5	TPH as Motor Oil	33	
MARBELLA AVE	24612	M-24612SFC	2	TPH as Motor Oil	1300	Y
MARBELLA AVE	24612	M-24612SFC	5	TPH as Motor Oil	95	
MARBELLA AVE	24612	M-24612SFC	10	TPH as Motor Oil	600	
MARBELLA AVE	24612	M-24612SFD	0.5	TPH as Motor Oil	32	
MARBELLA AVE	24612	M-24612SFD	2	TPH as Motor Oil	1700	Y
MARBELLA AVE	24612	M-24612SFD	5	TPH as Motor Oil	0	
MARBELLA AVE	24612	M-24612SFD	10	TPH as Motor Oil	0	
MARBELLA AVE	24616	M-24616SBF	0.5	TPH as Motor Oil	1400	Y
MARBELLA AVE	24616	M-24616SBF	2	TPH as Motor Oil	93	
MARBELLA AVE	24616	M-24616SBF	4.5	TPH as Motor Oil	25000	
MARBELLA AVE	24622	M-24622SBF	0.5	TPH as Motor Oil	140	
MARBELLA AVE	24622	M-24622SBF	2	TPH as Motor Oil	110	
MARBELLA AVE	24622	M-24622SBF	5	TPH as Motor Oil	7400	Y
MARBELLA AVE	24622	M-24622SBF	10	TPH as Motor Oil	630	
MARBELLA AVE	24622	M-24622SFEA	7	TPH as Motor Oil	5800	Y
MARBELLA AVE	24622	M-24622SFEA	10	TPH as Motor Oil	79	
MARBELLA AVE	24628	M-24628SBC	0.5	TPH as Motor Oil	150	
MARBELLA AVE	24628	M-24628SBC	2	TPH as Motor Oil	140	
MARBELLA AVE	24628	M-24628SBC	5	TPH as Motor Oil	15000	Y
MARBELLA AVE	24628	M-24628SBC	10	TPH as Motor Oil	58	
MARBELLA AVE	24628	M-24628SFF	0.5	TPH as Motor Oil	1200	
MARBELLA AVE	24628	M-24628SFF	2	TPH as Motor Oil	1000	Y
MARBELLA AVE	24628	M-24628SFF	5	TPH as Motor Oil	0	
MARBELLA AVE	24628	M-24628SFF	8	TPH as Motor Oil	7100	
MARBELLA AVE	24628	M-24628SFF	10	TPH as Motor Oil	20000	
MARBELLA AVE	24633	M-24633SBC	0.5	TPH as Motor Oil	48000	Y
MARBELLA AVE	24633	M-24633SBC	2	TPH as Motor Oil	1400	Y
MARBELLA AVE	24633	M-24633SBC	5	TPH as Motor Oil	12	
MARBELLA AVE	24633	M-24633SBC	10	TPH as Motor Oil	12	
MARBELLA AVE	24633	M-24633SBE	0.5	TPH as Motor Oil	1100	Y
MARBELLA AVE	24633	M-24633SBE	2	TPH as Motor Oil	0	
MARBELLA AVE	24633	M-24633SBE	5	TPH as Motor Oil	0	
MARBELLA AVE	24633	M-24633SBE	10	TPH as Motor Oil	7.9	
MARBELLA AVE	24700	M-24700SBB	-2.9	TPH as Motor Oil	1500	Y
MARBELLA AVE	24700	M-24700SBB	-1.5	TPH as Motor Oil	130	
MARBELLA AVE	24700	M-24700SBB	0	TPH as Motor Oil	14000	
MARBELLA AVE	24700	M-24700SBB	0.5	TPH as Motor Oil	11000	Y
MARBELLA AVE	24700	M-24700SBB	2	TPH as Motor Oil	1200	
MARBELLA AVE	24700	M-24700SBB	4.5	TPH as Motor Oil	16000	
MARBELLA AVE	24700	M-24700SFA	0.5	TPH as Motor Oil	160	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24700	M-24700SFA	2	TPH as Motor Oil	680	
MARBELLA AVE	24700	M-24700SFA	4	TPH as Motor Oil	2000	
MARBELLA AVE	24700	M-24700SFA	5	TPH as Motor Oil	9000	Y
MARBELLA AVE	24700	M-24700SFA	10	TPH as Motor Oil	44	
MARBELLA AVE	24700	M-24700SFG	0.5	TPH as Motor Oil	620	
MARBELLA AVE	24700	M-24700SFG	2	TPH as Motor Oil	89	
MARBELLA AVE	24700	M-24700SFG	4.5	TPH as Motor Oil	1500	Y
MARBELLA AVE	24700	M-24700SFG	5	TPH as Motor Oil	49	
MARBELLA AVE	24700	M-24700SFG	10	TPH as Motor Oil	4600	
MARBELLA AVE	24703	M-24703SB	-1	TPH as Motor Oil	9400	Y
MARBELLA AVE	24703	M-24703SB	0.5	TPH as Motor Oil	930	
MARBELLA AVE	24703	M-24703SB	2	TPH as Motor Oil	75	
MARBELLA AVE	24703	M-24703SB	5	TPH as Motor Oil	0	
MARBELLA AVE	24703	M-24703SB	10	TPH as Motor Oil	24	
MARBELLA AVE	24703	M-24703SF	0.5	TPH as Motor Oil	130	
MARBELLA AVE	24703	M-24703SF	2	TPH as Motor Oil	2700	Y
MARBELLA AVE	24703	M-24703SF	5	TPH as Motor Oil	0	
MARBELLA AVE	24703	M-24703SF	10	TPH as Motor Oil	0	
MARBELLA AVE	24706	M-24706SFC	0.5	TPH as Motor Oil	430	
MARBELLA AVE	24706	M-24706SFC	2	TPH as Motor Oil	510	
MARBELLA AVE	24706	M-24706SFC	5	TPH as Motor Oil	1600	Y
MARBELLA AVE	24706	M-24706SFC	8.5	TPH as Motor Oil	0	
MARBELLA AVE	24706	M-24706SFC	9	TPH as Motor Oil	40	
MARBELLA AVE	24707	M-24707SBA	0.5	TPH as Motor Oil	300	
MARBELLA AVE	24707	M-24707SBA	2	TPH as Motor Oil	2300	Y
MARBELLA AVE	24707	M-24707SBA	5	TPH as Motor Oil	0	
MARBELLA AVE	24707	M-24707SBA	10	TPH as Motor Oil	0	
MARBELLA AVE	24707	M-24707SFD	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24707	M-24707SFD	2	TPH as Motor Oil	0	
MARBELLA AVE	24707	M-24707SFD	3.5	TPH as Motor Oil	2300	Y
MARBELLA AVE	24707	M-24707SFD	5	TPH as Motor Oil	0	
MARBELLA AVE	24707	M-24707SFD	10	TPH as Motor Oil	0	
MARBELLA AVE	24710	M-24710SBC	-0.5	TPH as Motor Oil	1500	Y
MARBELLA AVE	24710	M-24710SBC	0.5	TPH as Motor Oil	200	
MARBELLA AVE	24710	M-24710SBC	2	TPH as Motor Oil	1100	
MARBELLA AVE	24710	M-24710SBC	3.5	TPH as Motor Oil	1100	
MARBELLA AVE	24710	M-24710SBC	5	TPH as Motor Oil	17000	
MARBELLA AVE	24710	M-24710SFA	0.5	TPH as Motor Oil	53	
MARBELLA AVE	24710	M-24710SFA	2	TPH as Motor Oil	430	
MARBELLA AVE	24710	M-24710SFA	5	TPH as Motor Oil	5600	Y
MARBELLA AVE	24710	M-24710SFA	10	TPH as Motor Oil	40	
MARBELLA AVE	24710	M-24710SFBB	5	TPH as Motor Oil	0	
MARBELLA AVE	24710	M-24710SFBB	5.5	TPH as Motor Oil	7000	Y
MARBELLA AVE	24710	M-24710SFBB	10	TPH as Motor Oil	110	
MARBELLA AVE	24710	M-24710SFC	0.5	TPH as Motor Oil	120	
MARBELLA AVE	24710	M-24710SFC	2	TPH as Motor Oil	2600	
MARBELLA AVE	24710	M-24710SFC	5	TPH as Motor Oil	3200	Y
MARBELLA AVE	24710	M-24710SFC	10	TPH as Motor Oil	0	
MARBELLA AVE	24713	M-24713SBD	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24713	M-24713SBD	2	TPH as Motor Oil	1600	Y
MARBELLA AVE	24713	M-24713SBD	5	TPH as Motor Oil	0	
MARBELLA AVE	24713	M-24713SBD	10	TPH as Motor Oil	0	
MARBELLA AVE	24716	M-24716SFB	0.5	TPH as Motor Oil	1000	
MARBELLA AVE	24716	M-24716SFB	2	TPH as Motor Oil	1200	
MARBELLA AVE	24716	M-24716SFB	3.5	TPH as Motor Oil	700	
MARBELLA AVE	24716	M-24716SFB	5	TPH as Motor Oil	3400	Y
MARBELLA AVE	24716	M-24716SFB	10	TPH as Motor Oil	53	
MARBELLA AVE	24716	M-24716SFC	0.5	TPH as Motor Oil	1600	
MARBELLA AVE	24716	M-24716SFC	2	TPH as Motor Oil	2200	
MARBELLA AVE	24716	M-24716SFC	3	TPH as Motor Oil	14000	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24716	M-24716SFC	5.5	TPH as Motor Oil	200	
MARBELLA AVE	24716	M-24716SFC	10	TPH as Motor Oil	72	
MARBELLA AVE	24717	M-24717SFA	0.5	TPH as Motor Oil	450	
MARBELLA AVE	24717	M-24717SFA	2	TPH as Motor Oil	2500	Y
MARBELLA AVE	24717	M-24717SFA	5	TPH as Motor Oil	0	
MARBELLA AVE	24717	M-24717SFA	10	TPH as Motor Oil	0	
MARBELLA AVE	24717	M-24717SFC	0.5	TPH as Motor Oil	34	
MARBELLA AVE	24717	M-24717SFC	2	TPH as Motor Oil	2200	
MARBELLA AVE	24717	M-24717SFC	2.5	TPH as Motor Oil	7100	Y
MARBELLA AVE	24717	M-24717SFC	5	TPH as Motor Oil	200	
MARBELLA AVE	24717	M-24717SFC	10	TPH as Motor Oil	11	
MARBELLA AVE	24717	M-24717SFD	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24717	M-24717SFD	2	TPH as Motor Oil	1700	
MARBELLA AVE	24717	M-24717SFD	2.5	TPH as Motor Oil	12000	Y
MARBELLA AVE	24717	M-24717SFD	5	TPH as Motor Oil	26	
MARBELLA AVE	24717	M-24717SFD	10	TPH as Motor Oil	60	
MARBELLA AVE	24717	M-24717SFE	0.5	TPH as Motor Oil	100	
MARBELLA AVE	24717	M-24717SFE	2	TPH as Motor Oil	13000	Y
MARBELLA AVE	24717	M-24717SFE	5	TPH as Motor Oil	150	
MARBELLA AVE	24717	M-24717SFE	10	TPH as Motor Oil	0	
MARBELLA AVE	24722	M-24722SBB	-2.5	TPH as Motor Oil	110	
MARBELLA AVE	24722	M-24722SBB	-1	TPH as Motor Oil	1600	Y
MARBELLA AVE	24722	M-24722SBB	0.5	TPH as Motor Oil	130	
MARBELLA AVE	24722	M-24722SBB	2	TPH as Motor Oil	0	
MARBELLA AVE	24722	M-24722SBB	5	TPH as Motor Oil	0	
MARBELLA AVE	24722	M-24722SBB	10	TPH as Motor Oil	0	
MARBELLA AVE	24722	M-24722SBC	-2.5	TPH as Motor Oil	160	
MARBELLA AVE	24722	M-24722SBC	-1	TPH as Motor Oil	1300	Y
MARBELLA AVE	24722	M-24722SBC	0.5	TPH as Motor Oil	86	
MARBELLA AVE	24722	M-24722SBC	2	TPH as Motor Oil	0	
MARBELLA AVE	24722	M-24722SBC	5	TPH as Motor Oil	0	
MARBELLA AVE	24722	M-24722SBC	10	TPH as Motor Oil	19	
MARBELLA AVE	24722	M-24722SFC	0.5	TPH as Motor Oil	160	
MARBELLA AVE	24722	M-24722SFC	2	TPH as Motor Oil	3200	
MARBELLA AVE	24722	M-24722SFC	5	TPH as Motor Oil	1900	Y
MARBELLA AVE	24722	M-24722SFC	10	TPH as Motor Oil	45	
MARBELLA AVE	24722	M-24722SFDA	2	TPH as Motor Oil	7100	
MARBELLA AVE	24722	M-24722SFDA	5	TPH as Motor Oil	2400	Y
MARBELLA AVE	24722	M-24722SFDA	10	TPH as Motor Oil	110	
MARBELLA AVE	24723	M-24723SBB	0.5	TPH as Motor Oil	190	
MARBELLA AVE	24723	M-24723SBB	2	TPH as Motor Oil	11000	Y
MARBELLA AVE	24723	M-24723SBB	5	TPH as Motor Oil	170	
MARBELLA AVE	24723	M-24723SBB	10	TPH as Motor Oil	0	
MARBELLA AVE	24723	M-24723SFB	0.5	TPH as Motor Oil	3500	
MARBELLA AVE	24723	M-24723SFB	2	TPH as Motor Oil	2500	Y
MARBELLA AVE	24723	M-24723SFB	5	TPH as Motor Oil	0	
MARBELLA AVE	24723	M-24723SFB	10	TPH as Motor Oil	0	
MARBELLA AVE	24726	M-24726SFA	0.5	TPH as Motor Oil	480	
MARBELLA AVE	24726	M-24726SFA	2	TPH as Motor Oil	370	
MARBELLA AVE	24726	M-24726SFA	3.5	TPH as Motor Oil	1500	
MARBELLA AVE	24726	M-24726SFA	5	TPH as Motor Oil	2500	Y
MARBELLA AVE	24726	M-24726SFA	10	TPH as Motor Oil	18	
MARBELLA AVE	24726	M-24726SFC	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24726	M-24726SFC	2	TPH as Motor Oil	2100	Y
MARBELLA AVE	24726	M-24726SFC	3	TPH as Motor Oil	140	
MARBELLA AVE	24726	M-24726SFC	5	TPH as Motor Oil	300	
MARBELLA AVE	24726	M-24726SFC	10	TPH as Motor Oil	0	
MARBELLA AVE	24727	M-24727SBA	0.5	TPH as Motor Oil	170	
MARBELLA AVE	24727	M-24727SBA	2	TPH as Motor Oil	4500	
MARBELLA AVE	24727	M-24727SBA	3	TPH as Motor Oil	5100	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24727	M-24727SBA	5	TPH as Motor Oil	140	
MARBELLA AVE	24727	M-24727SBA	10	TPH as Motor Oil	44	
MARBELLA AVE	24727	M-24727SBD	0.5	TPH as Motor Oil	300	
MARBELLA AVE	24727	M-24727SBD	2	TPH as Motor Oil	2600	Y
MARBELLA AVE	24727	M-24727SBD	5	TPH as Motor Oil	66	
MARBELLA AVE	24727	M-24727SBD	10	TPH as Motor Oil	120	
MARBELLA AVE	24727	M-24727SFA	0.5	TPH as Motor Oil	1900	Y
MARBELLA AVE	24727	M-24727SFA	2	TPH as Motor Oil	60	
MARBELLA AVE	24727	M-24727SFA	5	TPH as Motor Oil	0	
MARBELLA AVE	24727	M-24727SFA	10	TPH as Motor Oil	0	
MARBELLA AVE	24727	M-24727SFB	0.5	TPH as Motor Oil	1000	
MARBELLA AVE	24727	M-24727SFB	2	TPH as Motor Oil	1400	Y
MARBELLA AVE	24727	M-24727SFB	5	TPH as Motor Oil	0	
MARBELLA AVE	24727	M-24727SFB	9	TPH as Motor Oil	93	
MARBELLA AVE	24732	M-24732SFA	0.5	TPH as Motor Oil	240	
MARBELLA AVE	24732	M-24732SFA	2	TPH as Motor Oil	1300	
MARBELLA AVE	24732	M-24732SFA	3	TPH as Motor Oil	13000	Y
MARBELLA AVE	24732	M-24732SFA	5	TPH as Motor Oil	300	
MARBELLA AVE	24732	M-24732SFA	10	TPH as Motor Oil	0	
MARBELLA AVE	24732	M-24732SFB	0.5	TPH as Motor Oil	0	
MARBELLA AVE	24732	M-24732SFB	2	TPH as Motor Oil	3200	Y
MARBELLA AVE	24732	M-24732SFB	5	TPH as Motor Oil	0	
MARBELLA AVE	24732	M-24732SFB	10	TPH as Motor Oil	0	
MARBELLA AVE	24732	M-24732SFC	0.5	TPH as Motor Oil	600	
MARBELLA AVE	24732	M-24732SFC	2	TPH as Motor Oil	940	
MARBELLA AVE	24732	M-24732SFC	3.5	TPH as Motor Oil	14000	Y
MARBELLA AVE	24732	M-24732SFC	5	TPH as Motor Oil	68	
MARBELLA AVE	24732	M-24732SFC	10	TPH as Motor Oil	0	
MARBELLA AVE	24733	M-24733SFA	0.5	TPH as Motor Oil	180	
MARBELLA AVE	24733	M-24733SFA	2	TPH as Motor Oil	2700	Y
MARBELLA AVE	24733	M-24733SFA	5	TPH as Motor Oil	120	
MARBELLA AVE	24733	M-24733SFA	10	TPH as Motor Oil	44	
MARBELLA AVE	24733	M-24733SFC	0.5	TPH as Motor Oil	280	
MARBELLA AVE	24733	M-24733SFC	2	TPH as Motor Oil	1600	Y
MARBELLA AVE	24733	M-24733SFC	5	TPH as Motor Oil	0	
MARBELLA AVE	24733	M-24733SFC	10	TPH as Motor Oil	0	
MARBELLA AVE	24733	M-24733SFD	0.5	TPH as Motor Oil	230	
MARBELLA AVE	24733	M-24733SFD	2	TPH as Motor Oil	1800	Y
MARBELLA AVE	24733	M-24733SFD	5	TPH as Motor Oil	9.1	
MARBELLA AVE	24733	M-24733SFD	10	TPH as Motor Oil	0	
MARBELLA AVE	24736	M-24736SBG	0.5	TPH as Motor Oil	1100	Y
MARBELLA AVE	24736	M-24736SBG	2	TPH as Motor Oil	0	
MARBELLA AVE	24736	M-24736SBG	5	TPH as Motor Oil	0	
MARBELLA AVE	24736	M-24736SBG	10	TPH as Motor Oil	0	
MARBELLA AVE	24736	M-24736SFE	0.5	TPH as Motor Oil	470	
MARBELLA AVE	24736	M-24736SFE	2	TPH as Motor Oil	1300	Y
MARBELLA AVE	24736	M-24736SFE	5	TPH as Motor Oil	0	
MARBELLA AVE	24736	M-24736SFE	10	TPH as Motor Oil	0	
MARBELLA AVE	24737	M-24737SB	-0.5	TPH as Motor Oil	7700	Y
MARBELLA AVE	24737	M-24737SB	0.5	TPH as Motor Oil	130	
MARBELLA AVE	24737	M-24737SB	2	TPH as Motor Oil	180	
MARBELLA AVE	24737	M-24737SB	5	TPH as Motor Oil	38	
MARBELLA AVE	24737	M-24737SB	10	TPH as Motor Oil	73	
MARBELLA AVE	24737	M-24737SFA	0.5	TPH as Motor Oil	120	
MARBELLA AVE	24737	M-24737SFA	2	TPH as Motor Oil	3100	
MARBELLA AVE	24737	M-24737SFA	3	TPH as Motor Oil	4100	Y
MARBELLA AVE	24737	M-24737SFA	5	TPH as Motor Oil	13	
MARBELLA AVE	24737	M-24737SFA	10	TPH as Motor Oil	0	
MARBELLA AVE	24740	M-24740SBGA	0.5	TPH as Motor Oil	1400	
MARBELLA AVE	24740	M-24740SBGA	2	TPH as Motor Oil	4400	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

MARBELLA AVE	24740	M-24740SBGA	5	TPH as Motor Oil	0	
MARBELLA AVE	24740	M-24740SBGA	10	TPH as Motor Oil	0	
MARBELLA AVE	24740	M-24740SBH	0.5	TPH as Motor Oil	820	
MARBELLA AVE	24740	M-24740SBH	2	TPH as Motor Oil	1600	
MARBELLA AVE	24740	M-24740SBH	4.5	TPH as Motor Oil	13000	
MARBELLA AVE	24740	M-24740SBH	5	TPH as Motor Oil	8800	Y
MARBELLA AVE	24740	M-24740SBH	10	TPH as Motor Oil	1200	
MARBELLA AVE	24740	M-24740SBK	0.5	TPH as Motor Oil	3500	
MARBELLA AVE	24740	M-24740SBK	2	TPH as Motor Oil	3000	Y
MARBELLA AVE	24740	M-24740SBK	5	TPH as Motor Oil	10	
MARBELLA AVE	24740	M-24740SBK	10	TPH as Motor Oil	20	
MARBELLA AVE	24744	M-24744SB	0.5	TPH as Motor Oil	840	
MARBELLA AVE	24744	M-24744SB	2	TPH as Motor Oil	15000	Y
MARBELLA AVE	24744	M-24744SB	5	TPH as Motor Oil	54	
MARBELLA AVE	24744	M-24744SB	10	TPH as Motor Oil	150	
MARBELLA AVE	24744	M-24744SF	0.5	TPH as Motor Oil	1600	
MARBELLA AVE	24744	M-24744SF	2	TPH as Motor Oil	16000	Y
MARBELLA AVE	24744	M-24744SF	5	TPH as Motor Oil	30	
MARBELLA AVE	24744	M-24744SF	10	TPH as Motor Oil	15	
MARBELLA AVE	24744	M-24744SBA	0.5	TPH as Motor Oil	120	
MARBELLA AVE	24744	M-24744SBA	2	TPH as Motor Oil	21000	Y
MARBELLA AVE	24744	M-24744SBA	4	TPH as Motor Oil	1400	Y
MARBELLA AVE	24744	M-24744SBA	5	TPH as Motor Oil	72	
MARBELLA AVE	24744	M-24744SBA	10	TPH as Motor Oil	85	
NEPTUNE AVE	24402	N-24402SBA	0.5	TPH as Motor Oil	1200	Y
NEPTUNE AVE	24402	N-24402SBA	2	TPH as Motor Oil	82	
NEPTUNE AVE	24402	N-24402SBA	5	TPH as Motor Oil	38	
NEPTUNE AVE	24402	N-24402SBA	7	TPH as Motor Oil	150	
NEPTUNE AVE	24402	N-24402SBA	9	TPH as Motor Oil	11000	
NEPTUNE AVE	24402	N-24402SFB	0.5	TPH as Motor Oil	130	
NEPTUNE AVE	24402	N-24402SFB	2	TPH as Motor Oil	150	
NEPTUNE AVE	24402	N-24402SFB	4	TPH as Motor Oil	2200	Y
NEPTUNE AVE	24402	N-24402SFB	5	TPH as Motor Oil	260	
NEPTUNE AVE	24402	N-24402SFB	7	TPH as Motor Oil	1800	
NEPTUNE AVE	24402	N-24402SFCA	5	TPH as Motor Oil	7000	Y
NEPTUNE AVE	24402	N-24402SFCA	6.5	TPH as Motor Oil	91	
NEPTUNE AVE	24402	N-24402SFH	0.5	TPH as Motor Oil	1900	
NEPTUNE AVE	24402	N-24402SFH	2	TPH as Motor Oil	3600	Y
NEPTUNE AVE	24402	N-24402SFH	5	TPH as Motor Oil	100	
NEPTUNE AVE	24402	N-24402SFH	7	TPH as Motor Oil	130	
NEPTUNE AVE	24403	N-24403SFF	0.5	TPH as Motor Oil	470	
NEPTUNE AVE	24403	N-24403SFF	2	TPH as Motor Oil	0	
NEPTUNE AVE	24403	N-24403SFF	3.5	TPH as Motor Oil	6200	Y
NEPTUNE AVE	24403	N-24403SFF	5	TPH as Motor Oil	87	
NEPTUNE AVE	24403	N-24403SFF	5.75	TPH as Motor Oil	14000	
NEPTUNE AVE	24406	N-24406SBC	0.5	TPH as Motor Oil	22	
NEPTUNE AVE	24406	N-24406SBC	2	TPH as Motor Oil	800	
NEPTUNE AVE	24406	N-24406SBC	3	TPH as Motor Oil	370	
NEPTUNE AVE	24406	N-24406SBC	5	TPH as Motor Oil	210	
NEPTUNE AVE	24406	N-24406SBC	6.5	TPH as Motor Oil	71000	Y
NEPTUNE AVE	24406	N-24406SBC	8.5	TPH as Motor Oil	2300	
NEPTUNE AVE	24406	N-24406SFB	0.5	TPH as Motor Oil	42	
NEPTUNE AVE	24406	N-24406SFB	2	TPH as Motor Oil	340	
NEPTUNE AVE	24406	N-24406SFB	5	TPH as Motor Oil	1200	Y
NEPTUNE AVE	24406	N-24406SFB	7.5	TPH as Motor Oil	130	
NEPTUNE AVE	24406	N-24406SFB	8	TPH as Motor Oil	2400	
NEPTUNE AVE	24406	N-24406SFC	0.5	TPH as Motor Oil	160	
NEPTUNE AVE	24406	N-24406SFC	2	TPH as Motor Oil	260	
NEPTUNE AVE	24406	N-24406SFC	5	TPH as Motor Oil	220	
NEPTUNE AVE	24406	N-24406SFC	7	TPH as Motor Oil	3600	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24406	N-24406SFC	7.5	TPH as Motor Oil	86	
NEPTUNE AVE	24409	N-24409SBA	0.5	TPH as Motor Oil	70	
NEPTUNE AVE	24409	N-24409SBA	2	TPH as Motor Oil	4800	Y
NEPTUNE AVE	24409	N-24409SBA	5	TPH as Motor Oil	660	
NEPTUNE AVE	24409	N-24409SFC	0.5	TPH as Motor Oil	430	
NEPTUNE AVE	24409	N-24409SFC	2	TPH as Motor Oil	67	
NEPTUNE AVE	24409	N-24409SFC	3.5	TPH as Motor Oil	7900	
NEPTUNE AVE	24409	N-24409SFC	5	TPH as Motor Oil	3800	Y
NEPTUNE AVE	24409	N-24409SFC	7.5	TPH as Motor Oil	460	
NEPTUNE AVE	24416	N-24416SBC	0.5	TPH as Motor Oil	940	
NEPTUNE AVE	24416	N-24416SBC	2	TPH as Motor Oil	2300	Y
NEPTUNE AVE	24416	N-24416SBC	5	TPH as Motor Oil	57	
NEPTUNE AVE	24416	N-24416SBC	9.5	TPH as Motor Oil	330	
NEPTUNE AVE	24419	N-24419SBB	-0.5	TPH as Motor Oil	150	
NEPTUNE AVE	24419	N-24419SBB	0.5	TPH as Motor Oil	2500	Y
NEPTUNE AVE	24419	N-24419SBB	2	TPH as Motor Oil	150	
NEPTUNE AVE	24419	N-24419SBB	4	TPH as Motor Oil	4900	Y
NEPTUNE AVE	24419	N-24419SBB	5	TPH as Motor Oil	860	
NEPTUNE AVE	24419	N-24419SBB	8.5	TPH as Motor Oil	5800	
NEPTUNE AVE	24419	N-24419SBC	0.5	TPH as Motor Oil	1100	Y
NEPTUNE AVE	24419	N-24419SBC	2	TPH as Motor Oil	17	
NEPTUNE AVE	24419	N-24419SBC	5	TPH as Motor Oil	2200	
NEPTUNE AVE	24419	N-24419SBC	7	TPH as Motor Oil	1100	
NEPTUNE AVE	24419	N-24419SBC	8.5	TPH as Motor Oil	3200	
NEPTUNE AVE	24422	N-24422SBB	-0.5	TPH as Motor Oil	230	
NEPTUNE AVE	24422	N-24422SBB	0.5	TPH as Motor Oil	1500	Y
NEPTUNE AVE	24422	N-24422SBB	2	TPH as Motor Oil	36	
NEPTUNE AVE	24422	N-24422SBB	5	TPH as Motor Oil	200	
NEPTUNE AVE	24422	N-24422SBB	7	TPH as Motor Oil	2700	Y
NEPTUNE AVE	24422	N-24422SBB	9.5	TPH as Motor Oil	480	
NEPTUNE AVE	24422	N-24422SFD	0.5	TPH as Motor Oil	110	
NEPTUNE AVE	24422	N-24422SFD	2	TPH as Motor Oil	1700	Y
NEPTUNE AVE	24422	N-24422SFD	5	TPH as Motor Oil	200	
NEPTUNE AVE	24422	N-24422SFD	6.5	TPH as Motor Oil	200	
NEPTUNE AVE	24422	N-24422SFD	10	TPH as Motor Oil	240	
NEPTUNE AVE	24426	N-24426SBA	0.5	TPH as Motor Oil	530	
NEPTUNE AVE	24426	N-24426SBA	2	TPH as Motor Oil	390	
NEPTUNE AVE	24426	N-24426SBA	3.5	TPH as Motor Oil	2300	Y
NEPTUNE AVE	24426	N-24426SBA	5	TPH as Motor Oil	170	
NEPTUNE AVE	24426	N-24426SBA	6	TPH as Motor Oil	330	
NEPTUNE AVE	24426	N-24426SBA	10	TPH as Motor Oil	770	
NEPTUNE AVE	24426	N-24426SFB	0.5	TPH as Motor Oil	160	
NEPTUNE AVE	24426	N-24426SFB	2	TPH as Motor Oil	160	
NEPTUNE AVE	24426	N-24426SFB	3.5	TPH as Motor Oil	0	
NEPTUNE AVE	24426	N-24426SFB	5	TPH as Motor Oil	1200	Y
NEPTUNE AVE	24426	N-24426SFB	6	TPH as Motor Oil	160	
NEPTUNE AVE	24426	N-24426SFB	10	TPH as Motor Oil	410	
NEPTUNE AVE	24502	N-24502SF	0.5	TPH as Motor Oil	2300	Y
NEPTUNE AVE	24502	N-24502SF	5	TPH as Motor Oil	150	
NEPTUNE AVE	24502	N-24502SF	10	TPH as Motor Oil	300	
NEPTUNE AVE	24502	N-24502SBA	0.5	TPH as Motor Oil	2000	Y
NEPTUNE AVE	24502	N-24502SBA	2	TPH as Motor Oil	230	
NEPTUNE AVE	24502	N-24502SBA	5	TPH as Motor Oil	24	
NEPTUNE AVE	24502	N-24502SBA	10	TPH as Motor Oil	13	
NEPTUNE AVE	24502	N-24502SFB	0.5	TPH as Motor Oil	250	
NEPTUNE AVE	24502	N-24502SFB	2	TPH as Motor Oil	320	
NEPTUNE AVE	24502	N-24502SFB	5	TPH as Motor Oil	110	
NEPTUNE AVE	24502	N-24502SFB	8	TPH as Motor Oil	1400	Y
NEPTUNE AVE	24502	N-24502SFB	10	TPH as Motor Oil	170	
NEPTUNE AVE	24502	N-24502SFF	0.5	TPH as Motor Oil	87	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24502	N-24502SFF	2	TPH as Motor Oil	140	
NEPTUNE AVE	24502	N-24502SFF	5	TPH as Motor Oil	20	
NEPTUNE AVE	24502	N-24502SFF	6.5	TPH as Motor Oil	35000	Y
NEPTUNE AVE	24502	N-24502SFF	10	TPH as Motor Oil	540	
NEPTUNE AVE	24503	N-24503SBD	0.5	TPH as Motor Oil	580	
NEPTUNE AVE	24503	N-24503SBD	2	TPH as Motor Oil	2300	Y
NEPTUNE AVE	24503	N-24503SBD	5	TPH as Motor Oil	320	
NEPTUNE AVE	24503	N-24503SBD	5.5	TPH as Motor Oil	1400	
NEPTUNE AVE	24503	N-24503SBD	10	TPH as Motor Oil	2100	
NEPTUNE AVE	24503	N-24503SFA	0.5	TPH as Motor Oil	1200	
NEPTUNE AVE	24503	N-24503SFA	2	TPH as Motor Oil	1000	Y
NEPTUNE AVE	24503	N-24503SFA	5	TPH as Motor Oil	170	
NEPTUNE AVE	24503	N-24503SFA	10	TPH as Motor Oil	1500	
NEPTUNE AVE	24503	N-24503SFD	0.5	TPH as Motor Oil	170	
NEPTUNE AVE	24503	N-24503SFD	2	TPH as Motor Oil	670	
NEPTUNE AVE	24503	N-24503SFD	5	TPH as Motor Oil	7800	Y
NEPTUNE AVE	24503	N-24503SFD	7.5	TPH as Motor Oil	430	
NEPTUNE AVE	24503	N-24503SFD	10	TPH as Motor Oil	11000	
NEPTUNE AVE	24503	N-24503SBFA	7	TPH as Motor Oil	4700	Y
NEPTUNE AVE	24503	N-24503SBFA	8	TPH as Motor Oil	290	
NEPTUNE AVE	24508	N-24508SBE	0.5	TPH as Motor Oil	400	
NEPTUNE AVE	24508	N-24508SBE	2	TPH as Motor Oil	340	
NEPTUNE AVE	24508	N-24508SBE	3.5	TPH as Motor Oil	3900	Y
NEPTUNE AVE	24508	N-24508SBE	5	TPH as Motor Oil	520	
NEPTUNE AVE	24508	N-24508SBE	10	TPH as Motor Oil	230	
NEPTUNE AVE	24508	N-24508SFA	0.5	TPH as Motor Oil	7600	Y
NEPTUNE AVE	24508	N-24508SFA	2	TPH as Motor Oil	26	
NEPTUNE AVE	24508	N-24508SFA	3.5	TPH as Motor Oil	420	
NEPTUNE AVE	24508	N-24508SFA	5	TPH as Motor Oil	11	
NEPTUNE AVE	24508	N-24508SFA	10	TPH as Motor Oil	18	
NEPTUNE AVE	24509	N-24509SB	0.5	TPH as Motor Oil	0	
NEPTUNE AVE	24509	N-24509SB	2	TPH as Motor Oil	0	
NEPTUNE AVE	24509	N-24509SB	5	TPH as Motor Oil	11000	Y
NEPTUNE AVE	24509	N-24509SB	10	TPH as Motor Oil	690	
NEPTUNE AVE	24512	N-24512SBA	0.5	TPH as Motor Oil	400	
NEPTUNE AVE	24512	N-24512SBA	2	TPH as Motor Oil	4000	Y
NEPTUNE AVE	24512	N-24512SBA	5	TPH as Motor Oil	53	
NEPTUNE AVE	24512	N-24512SBA	10	TPH as Motor Oil	5500	
NEPTUNE AVE	24512	N-24512SBD	0.5	TPH as Motor Oil	160	
NEPTUNE AVE	24512	N-24512SBD	2	TPH as Motor Oil	210	
NEPTUNE AVE	24512	N-24512SBD	5	TPH as Motor Oil	4600	Y
NEPTUNE AVE	24512	N-24512SBD	10	TPH as Motor Oil	720	
NEPTUNE AVE	24513	N-24513SFD	0.5	TPH as Motor Oil	49	
NEPTUNE AVE	24513	N-24513SFD	2	TPH as Motor Oil	1100	Y
NEPTUNE AVE	24513	N-24513SFD	5	TPH as Motor Oil	210	
NEPTUNE AVE	24513	N-24513SFD	6.5	TPH as Motor Oil	3400	
NEPTUNE AVE	24513	N-24513SFD	10	TPH as Motor Oil	5800	
NEPTUNE AVE	24518	N-24518SBA	0.5	TPH as Motor Oil	120	
NEPTUNE AVE	24518	N-24518SBA	2	TPH as Motor Oil	150	
NEPTUNE AVE	24518	N-24518SBA	5	TPH as Motor Oil	12000	Y
NEPTUNE AVE	24518	N-24518SBA	10	TPH as Motor Oil	680	
NEPTUNE AVE	24518	N-24518SBC	0.5	TPH as Motor Oil	62	
NEPTUNE AVE	24518	N-24518SBC	2	TPH as Motor Oil	130	
NEPTUNE AVE	24518	N-24518SBC	5	TPH as Motor Oil	2700	Y
NEPTUNE AVE	24518	N-24518SBC	10	TPH as Motor Oil	59	
NEPTUNE AVE	24518	N-24518SFD	0.5	TPH as Motor Oil	2200	Y
NEPTUNE AVE	24518	N-24518SFD	2	TPH as Motor Oil	60	
NEPTUNE AVE	24518	N-24518SFD	4	TPH as Motor Oil	500	
NEPTUNE AVE	24518	N-24518SFD	5	TPH as Motor Oil	340	
NEPTUNE AVE	24518	N-24518SFD	10	TPH as Motor Oil	9100	

TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS

NEPTUNE AVE	24519	N-24519SBA	0.5	TPH as Motor Oil	49	
NEPTUNE AVE	24519	N-24519SBA	2	TPH as Motor Oil	350	
NEPTUNE AVE	24519	N-24519SBA	4	TPH as Motor Oil	540	
NEPTUNE AVE	24519	N-24519SBA	5	TPH as Motor Oil	7.2	
NEPTUNE AVE	24519	N-24519SBA	9	TPH as Motor Oil	3300	Y
NEPTUNE AVE	24519	N-24519SBA	10	TPH as Motor Oil	480	
NEPTUNE AVE	24519	N-24519SFB	0.5	TPH as Motor Oil	300	
NEPTUNE AVE	24519	N-24519SFB	2	TPH as Motor Oil	1300	
NEPTUNE AVE	24519	N-24519SFB	4	TPH as Motor Oil	6200	Y
NEPTUNE AVE	24519	N-24519SFB	5	TPH as Motor Oil	210	
NEPTUNE AVE	24519	N-24519SFB	10	TPH as Motor Oil	5600	
NEPTUNE AVE	24522	N-24522SB	-0.5	TPH as Motor Oil	740	
NEPTUNE AVE	24522	N-24522SB	0.5	TPH as Motor Oil	130	
NEPTUNE AVE	24522	N-24522SB	2	TPH as Motor Oil	42	
NEPTUNE AVE	24522	N-24522SB	5	TPH as Motor Oil	1000	Y
NEPTUNE AVE	24522	N-24522SB	6	TPH as Motor Oil	110	
NEPTUNE AVE	24522	N-24522SB	10	TPH as Motor Oil	5800	
NEPTUNE AVE	24522	N-24522SBB	0.5	TPH as Motor Oil	59	
NEPTUNE AVE	24522	N-24522SBB	2	TPH as Motor Oil	190	
NEPTUNE AVE	24522	N-24522SBB	5	TPH as Motor Oil	9200	Y
NEPTUNE AVE	24522	N-24522SBB	10	TPH as Motor Oil	560	
NEPTUNE AVE	24523	N-24523SB	0.5	TPH as Motor Oil	140	
NEPTUNE AVE	24523	N-24523SB	2	TPH as Motor Oil	240	
NEPTUNE AVE	24523	N-24523SB	5	TPH as Motor Oil	8600	Y
NEPTUNE AVE	24523	N-24523SB	10	TPH as Motor Oil	650	
NEPTUNE AVE	24529	N-24529SBC	0.5	TPH as Motor Oil	1500	Y
NEPTUNE AVE	24529	N-24529SBC	2	TPH as Motor Oil	150	
NEPTUNE AVE	24529	N-24529SBC	3.5	TPH as Motor Oil	5400	
NEPTUNE AVE	24529	N-24529SBC	5	TPH as Motor Oil	20000	
NEPTUNE AVE	24529	N-24529SBC	10	TPH as Motor Oil	9300	
NEPTUNE AVE	24529	N-24529SFC	0.5	TPH as Motor Oil	160	
NEPTUNE AVE	24529	N-24529SFC	2	TPH as Motor Oil	13	
NEPTUNE AVE	24529	N-24529SFC	3	TPH as Motor Oil	17000	Y
NEPTUNE AVE	24529	N-24529SFC	5	TPH as Motor Oil	0	
NEPTUNE AVE	24529	N-24529SFC	10	TPH as Motor Oil	0	
NEPTUNE AVE	24603	N-24603SBA	0.5	TPH as Motor Oil	720	
NEPTUNE AVE	24603	N-24603SBA	2	TPH as Motor Oil	8000	
NEPTUNE AVE	24603	N-24603SBA	5	TPH as Motor Oil	3300	Y
NEPTUNE AVE	24603	N-24603SBA	10	TPH as Motor Oil	540	
NEPTUNE AVE	24603	N-24603SBF	0.5	TPH as Motor Oil	180	
NEPTUNE AVE	24603	N-24603SBF	2	TPH as Motor Oil	5000	Y
NEPTUNE AVE	24603	N-24603SBF	3	TPH as Motor Oil	51	
NEPTUNE AVE	24603	N-24603SBF	5	TPH as Motor Oil	0	
NEPTUNE AVE	24603	N-24603SBF	10	TPH as Motor Oil	0	
NEPTUNE AVE	24609	N-24609SB	0.5	TPH as Motor Oil	910	
NEPTUNE AVE	24609	N-24609SB	2	TPH as Motor Oil	6800	
NEPTUNE AVE	24609	N-24609SB	5	TPH as Motor Oil	4100	Y
NEPTUNE AVE	24609	N-24609SB	10	TPH as Motor Oil	350	
NEPTUNE AVE	24613	N-24613SFD	0.5	TPH as Motor Oil	15000	
NEPTUNE AVE	24613	N-24613SFD	2	TPH as Motor Oil	13000	
NEPTUNE AVE	24613	N-24613SFD	2.5	TPH as Motor Oil	6900	Y
NEPTUNE AVE	24613	N-24613SFD	5	TPH as Motor Oil	890	
NEPTUNE AVE	24613	N-24613SFD	6	TPH as Motor Oil	8100	
NEPTUNE AVE	24619	N-24619SBC	0.5	TPH as Motor Oil	200	
NEPTUNE AVE	24619	N-24619SBC	2	TPH as Motor Oil	130	
NEPTUNE AVE	24619	N-24619SBC	4.5	TPH as Motor Oil	13000	Y
NEPTUNE AVE	24619	N-24619SBC	5	TPH as Motor Oil	2400	
NEPTUNE AVE	24619	N-24619SBC	8	TPH as Motor Oil	20000	
NEPTUNE AVE	24622	N-24622SBB	0.5	TPH as Motor Oil	26	
NEPTUNE AVE	24622	N-24622SBB	2	TPH as Motor Oil	66	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24622	N-24622SBB	3	TPH as Motor Oil	2200	Y
NEPTUNE AVE	24622	N-24622SBB	5	TPH as Motor Oil	190	
NEPTUNE AVE	24622	N-24622SBB	8	TPH as Motor Oil	7700	
NEPTUNE AVE	24623	N-24623SFA	0.5	TPH as Motor Oil	1900	Y
NEPTUNE AVE	24623	N-24623SFA	2	TPH as Motor Oil	360	
NEPTUNE AVE	24623	N-24623SFA	2.5	TPH as Motor Oil	2300	
NEPTUNE AVE	24623	N-24623SFA	5	TPH as Motor Oil	1100	
NEPTUNE AVE	24623	N-24623SFA	7.5	TPH as Motor Oil	1500	
NEPTUNE AVE	24623	N-24623SFD	0.5	TPH as Motor Oil	1900	
NEPTUNE AVE	24623	N-24623SFD	2	TPH as Motor Oil	3600	
NEPTUNE AVE	24623	N-24623SFD	2.5	TPH as Motor Oil	4000	Y
NEPTUNE AVE	24623	N-24623SFD	5	TPH as Motor Oil	640	
NEPTUNE AVE	24629	N-24629SFC	0.5	TPH as Motor Oil	11	
NEPTUNE AVE	24629	N-24629SFC	2	TPH as Motor Oil	810	
NEPTUNE AVE	24629	N-24629SFC	4	TPH as Motor Oil	6100	Y
NEPTUNE AVE	24629	N-24629SFC	5	TPH as Motor Oil	1200	
NEPTUNE AVE	24629	N-24629SFC	9	TPH as Motor Oil	7700	
NEPTUNE AVE	24702	N-24702SFD	0.5	TPH as Motor Oil	1100	Y
NEPTUNE AVE	24702	N-24702SFD	2	TPH as Motor Oil	130	
NEPTUNE AVE	24702	N-24702SFD	5	TPH as Motor Oil	4500	
NEPTUNE AVE	24702	N-24702SFD	8	TPH as Motor Oil	6900	
NEPTUNE AVE	24703	N-24703SBA	0.5	TPH as Motor Oil	21000	Y
NEPTUNE AVE	24703	N-24703SBA	2	TPH as Motor Oil	77	
NEPTUNE AVE	24703	N-24703SBA	5	TPH as Motor Oil	5000	
NEPTUNE AVE	24703	N-24703SFB	0.5	TPH as Motor Oil	900	
NEPTUNE AVE	24703	N-24703SFB	2	TPH as Motor Oil	130	
NEPTUNE AVE	24703	N-24703SFB	4	TPH as Motor Oil	9500	Y
NEPTUNE AVE	24703	N-24703SFB	5	TPH as Motor Oil	240	
NEPTUNE AVE	24703	N-24703SFB	8	TPH as Motor Oil	7400	
NEPTUNE AVE	24703	N-24703SFD	0.5	TPH as Motor Oil	470	
NEPTUNE AVE	24703	N-24703SFD	2	TPH as Motor Oil	350	
NEPTUNE AVE	24703	N-24703SFD	3.5	TPH as Motor Oil	4600	Y
NEPTUNE AVE	24703	N-24703SFD	5	TPH as Motor Oil	580	
NEPTUNE AVE	24703	N-24703SFD	8	TPH as Motor Oil	2500	
NEPTUNE AVE	24709	N-24709SFC	0.5	TPH as Motor Oil	7400	
NEPTUNE AVE	24709	N-24709SFC	2	TPH as Motor Oil	2500	
NEPTUNE AVE	24709	N-24709SFC	5	TPH as Motor Oil	6000	Y
NEPTUNE AVE	24709	N-24709SFC	8	TPH as Motor Oil	750	
NEPTUNE AVE	24712	N-24712SF	0.5	TPH as Motor Oil	670	
NEPTUNE AVE	24712	N-24712SF	2	TPH as Motor Oil	250	
NEPTUNE AVE	24712	N-24712SF	4	TPH as Motor Oil	7900	Y
NEPTUNE AVE	24712	N-24712SF	5	TPH as Motor Oil	290	
NEPTUNE AVE	24715	N-24715SB	0.5	TPH as Motor Oil	200	
NEPTUNE AVE	24715	N-24715SB	2	TPH as Motor Oil	360	
NEPTUNE AVE	24715	N-24715SB	5	TPH as Motor Oil	19000	Y
NEPTUNE AVE	24715	N-24715SB	7	TPH as Motor Oil	3400	
NEPTUNE AVE	24715	N-24715SBB	0.5	TPH as Motor Oil	1500	Y
NEPTUNE AVE	24715	N-24715SBB	2	TPH as Motor Oil	170	
NEPTUNE AVE	24715	N-24715SBB	4.5	TPH as Motor Oil	4400	Y
NEPTUNE AVE	24715	N-24715SBB	5	TPH as Motor Oil	440	
NEPTUNE AVE	24715	N-24715SBB	8	TPH as Motor Oil	850	
NEPTUNE AVE	24715	N-24715SFD	0.5	TPH as Motor Oil	270	
NEPTUNE AVE	24715	N-24715SFD	2	TPH as Motor Oil	9300	Y
NEPTUNE AVE	24715	N-24715SFD	3.5	TPH as Motor Oil	320	
NEPTUNE AVE	24715	N-24715SFD	5	TPH as Motor Oil	1300	
NEPTUNE AVE	24715	N-24715SFD	8	TPH as Motor Oil	12000	
NEPTUNE AVE	24718	N-24718SBG	0.5	TPH as Motor Oil	3300	
NEPTUNE AVE	24718	N-24718SBG	2	TPH as Motor Oil	6800	
NEPTUNE AVE	24718	N-24718SBG	3.5	TPH as Motor Oil	4200	Y
NEPTUNE AVE	24718	N-24718SBG	5	TPH as Motor Oil	33	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24718	N-24718SBG	10	TPH as Motor Oil	0	
NEPTUNE AVE	24719	N-24719SBB	-0.5	TPH as Motor Oil	470	
NEPTUNE AVE	24719	N-24719SBB	0.5	TPH as Motor Oil	1100	
NEPTUNE AVE	24719	N-24719SBB	2	TPH as Motor Oil	3200	Y
NEPTUNE AVE	24719	N-24719SBB	5	TPH as Motor Oil	140	
NEPTUNE AVE	24719	N-24719SBB	8.5	TPH as Motor Oil	150	
NEPTUNE AVE	24719	N-24719SBB	10	TPH as Motor Oil	180	
NEPTUNE AVE	24719	N-24719SBC	-0.5	TPH as Motor Oil	910	
NEPTUNE AVE	24719	N-24719SBC	0.5	TPH as Motor Oil	6200	Y
NEPTUNE AVE	24719	N-24719SBC	2	TPH as Motor Oil	910	
NEPTUNE AVE	24719	N-24719SBC	4	TPH as Motor Oil	3600	Y
NEPTUNE AVE	24719	N-24719SBC	5	TPH as Motor Oil	470	
NEPTUNE AVE	24719	N-24719SBC	10	TPH as Motor Oil	120	
NEPTUNE AVE	24719	N-24719SFB	-0.5	TPH as Motor Oil	230	
NEPTUNE AVE	24719	N-24719SFB	0.5	TPH as Motor Oil	410	
NEPTUNE AVE	24719	N-24719SFB	2	TPH as Motor Oil	940	
NEPTUNE AVE	24719	N-24719SFB	4	TPH as Motor Oil	5700	Y
NEPTUNE AVE	24719	N-24719SFB	5	TPH as Motor Oil	880	
NEPTUNE AVE	24719	N-24719SFB	10	TPH as Motor Oil	8100	
NEPTUNE AVE	24725	N-24725SBB	0.5	TPH as Motor Oil	56	
NEPTUNE AVE	24725	N-24725SBB	2	TPH as Motor Oil	1300	
NEPTUNE AVE	24725	N-24725SBB	3.5	TPH as Motor Oil	2400	Y
NEPTUNE AVE	24725	N-24725SBB	5	TPH as Motor Oil	150	
NEPTUNE AVE	24725	N-24725SBB	10	TPH as Motor Oil	57	
NEPTUNE AVE	24725	N-24725SFE	0.5	TPH as Motor Oil	240	
NEPTUNE AVE	24725	N-24725SFE	2	TPH as Motor Oil	2100	Y
NEPTUNE AVE	24725	N-24725SFE	5	TPH as Motor Oil	37	
NEPTUNE AVE	24725	N-24725SFE	10	TPH as Motor Oil	23	
NEPTUNE AVE	24728	N-24728SBC	0.5	TPH as Motor Oil	11000	
NEPTUNE AVE	24728	N-24728SBC	2	TPH as Motor Oil	6300	
NEPTUNE AVE	24728	N-24728SBC	5	TPH as Motor Oil	12000	Y
NEPTUNE AVE	24728	N-24728SBC	10	TPH as Motor Oil	840	
NEPTUNE AVE	24729	N-24729SBA	0.5	TPH as Motor Oil	92	
NEPTUNE AVE	24729	N-24729SBA	2	TPH as Motor Oil	1700	Y
NEPTUNE AVE	24729	N-24729SBA	5	TPH as Motor Oil	96	
NEPTUNE AVE	24729	N-24729SBA	10	TPH as Motor Oil	11	
NEPTUNE AVE	24729	N-24729SBB	0.5	TPH as Motor Oil	69	
NEPTUNE AVE	24729	N-24729SBB	2	TPH as Motor Oil	2900	Y
NEPTUNE AVE	24729	N-24729SBB	5	TPH as Motor Oil	0	
NEPTUNE AVE	24729	N-24729SBB	10	TPH as Motor Oil	54	
NEPTUNE AVE	24729	N-24729SBC	0.5	TPH as Motor Oil	140	
NEPTUNE AVE	24729	N-24729SBC	2	TPH as Motor Oil	4700	Y
NEPTUNE AVE	24729	N-24729SBC	5	TPH as Motor Oil	120	
NEPTUNE AVE	24729	N-24729SBC	10	TPH as Motor Oil	120	
NEPTUNE AVE	24729	N-24729SFC	-0.5	TPH as Motor Oil	41	
NEPTUNE AVE	24729	N-24729SFC	0.5	TPH as Motor Oil	400	
NEPTUNE AVE	24729	N-24729SFC	2	TPH as Motor Oil	1100	Y
NEPTUNE AVE	24729	N-24729SFC	5	TPH as Motor Oil	77	
NEPTUNE AVE	24729	N-24729SFC	10	TPH as Motor Oil	0	
NEPTUNE AVE	24732	N-24732SFB	0.5	TPH as Motor Oil	1400	
NEPTUNE AVE	24732	N-24732SFB	2	TPH as Motor Oil	1300	Y
NEPTUNE AVE	24732	N-24732SFB	5	TPH as Motor Oil	250	
NEPTUNE AVE	24732	N-24732SFB	10	TPH as Motor Oil	9.6	
NEPTUNE AVE	24732	N-24732SFC	0.5	TPH as Motor Oil	2800	Y
NEPTUNE AVE	24732	N-24732SFC	2	TPH as Motor Oil	14	
NEPTUNE AVE	24732	N-24732SFC	5	TPH as Motor Oil	10	
NEPTUNE AVE	24732	N-24732SFC	10	TPH as Motor Oil	0	
NEPTUNE AVE	24735	N-24735SBD	0.5	TPH as Motor Oil	18000	Y
NEPTUNE AVE	24735	N-24735SBD	2	TPH as Motor Oil	38	
NEPTUNE AVE	24735	N-24735SBD	5	TPH as Motor Oil	29	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24735	N-24735SBD	10	TPH as Motor Oil	29	
NEPTUNE AVE	24735	N-24735SFA	0.5	TPH as Motor Oil	20	
NEPTUNE AVE	24735	N-24735SFA	2	TPH as Motor Oil	12000	Y
NEPTUNE AVE	24735	N-24735SFA	5	TPH as Motor Oil	120	
NEPTUNE AVE	24735	N-24735SFA	10	TPH as Motor Oil	9	
NEPTUNE AVE	24738	N-24738SF	0.5	TPH as Motor Oil	3700	Y
NEPTUNE AVE	24738	N-24738SF	5	TPH as Motor Oil	81	
NEPTUNE AVE	24738	N-24738SF	10	TPH as Motor Oil	2800	
NEPTUNE AVE	24738	N-24738SF	15	TPH as Motor Oil	12000	
NEPTUNE AVE	24739	N-24739SF	0.5	TPH as Motor Oil	180	
NEPTUNE AVE	24739	N-24739SF	2	TPH as Motor Oil	18000	Y
NEPTUNE AVE	24739	N-24739SF	4	TPH as Motor Oil	530	
NEPTUNE AVE	24739	N-24739SF	5	TPH as Motor Oil	120	
NEPTUNE AVE	24739	N-24739SF	10	TPH as Motor Oil	30	
NEPTUNE AVE	24739	N-24739SFD	0.5	TPH as Motor Oil	1300	
NEPTUNE AVE	24739	N-24739SFD	2	TPH as Motor Oil	1900	Y
NEPTUNE AVE	24739	N-24739SFD	5	TPH as Motor Oil	0	
NEPTUNE AVE	24739	N-24739SFD	10	TPH as Motor Oil	0	
NEPTUNE AVE	24739	N-24739SFE	0.5	TPH as Motor Oil	490	
NEPTUNE AVE	24739	N-24739SFE	2	TPH as Motor Oil	10000	Y
NEPTUNE AVE	24739	N-24739SFE	5	TPH as Motor Oil	290	
NEPTUNE AVE	24739	N-24739SFE	10	TPH as Motor Oil	0	
NEPTUNE AVE	24803	N-24803SBB	0.5	TPH as Motor Oil	190	
NEPTUNE AVE	24803	N-24803SBB	2	TPH as Motor Oil	1500	Y
NEPTUNE AVE	24803	N-24803SBB	5	TPH as Motor Oil	200	
NEPTUNE AVE	24803	N-24803SBB	10	TPH as Motor Oil	59	
NEPTUNE AVE	24803	N-24803SFA	0.5	TPH as Motor Oil	650	
NEPTUNE AVE	24803	N-24803SFA	2	TPH as Motor Oil	1300	Y
NEPTUNE AVE	24803	N-24803SFA	5	TPH as Motor Oil	20	
NEPTUNE AVE	24803	N-24803SFA	10	TPH as Motor Oil	30	
NEPTUNE AVE	24803	N-24803SFB	0.5	TPH as Motor Oil	1000	
NEPTUNE AVE	24803	N-24803SFB	2	TPH as Motor Oil	14000	Y
NEPTUNE AVE	24803	N-24803SFB	5	TPH as Motor Oil	410	
NEPTUNE AVE	24803	N-24803SFB	10	TPH as Motor Oil	110	
NEPTUNE AVE	24803	N-24803SFD	0.5	TPH as Motor Oil	480	
NEPTUNE AVE	24803	N-24803SFD	2	TPH as Motor Oil	1400	Y
NEPTUNE AVE	24803	N-24803SFD	5	TPH as Motor Oil	73	
NEPTUNE AVE	24803	N-24803SFD	10	TPH as Motor Oil	45	
NEPTUNE AVE	24803	N-24803SFE	0.5	TPH as Motor Oil	2400	
NEPTUNE AVE	24803	N-24803SFE	2	TPH as Motor Oil	1100	Y
NEPTUNE AVE	24803	N-24803SFE	5	TPH as Motor Oil	110	
NEPTUNE AVE	24803	N-24803SFE	10	TPH as Motor Oil	59	
NEPTUNE AVE	24809	N-24809SFA	0.5	TPH as Motor Oil	1800	
NEPTUNE AVE	24809	N-24809SFA	2	TPH as Motor Oil	7200	Y
NEPTUNE AVE	24809	N-24809SFA	5	TPH as Motor Oil	0	
NEPTUNE AVE	24809	N-24809SFA	10	TPH as Motor Oil	0	
NEPTUNE AVE	24809	N-24809SFB	0.5	TPH as Motor Oil	1100	
NEPTUNE AVE	24809	N-24809SFB	2	TPH as Motor Oil	2500	Y
NEPTUNE AVE	24809	N-24809SFB	5	TPH as Motor Oil	18	
NEPTUNE AVE	24809	N-24809SFB	10	TPH as Motor Oil	0	
NEPTUNE AVE	24809	N-24809SFC	0.5	TPH as Motor Oil	1200	
NEPTUNE AVE	24809	N-24809SFC	2	TPH as Motor Oil	2100	Y
NEPTUNE AVE	24809	N-24809SFC	5	TPH as Motor Oil	0	
NEPTUNE AVE	24809	N-24809SFC	10	TPH as Motor Oil	0	
NEPTUNE AVE	24809	N-24809SFF	0.5	TPH as Motor Oil	220	
NEPTUNE AVE	24809	N-24809SFF	2	TPH as Motor Oil	760	
NEPTUNE AVE	24809	N-24809SFF	5	TPH as Motor Oil	760	
NEPTUNE AVE	24809	N-24809SFF	6.5	TPH as Motor Oil	10000	Y
NEPTUNE AVE	24809	N-24809SFF	10	TPH as Motor Oil	110	
NEPTUNE AVE	24815	N-24815SBA	-0.5	TPH as Motor Oil	2200	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24815	N-24815SBA	0.5	TPH as Motor Oil	680	
NEPTUNE AVE	24815	N-24815SBA	2	TPH as Motor Oil	970	
NEPTUNE AVE	24815	N-24815SBA	4	TPH as Motor Oil	3500	
NEPTUNE AVE	24815	N-24815SBA	5	TPH as Motor Oil	2600	Y
NEPTUNE AVE	24815	N-24815SBA	7	TPH as Motor Oil	330	
NEPTUNE AVE	24815	N-24815SBA	10	TPH as Motor Oil	450	
NEPTUNE AVE	24815	N-24815SBB	-0.5	TPH as Motor Oil	1200	Y
NEPTUNE AVE	24815	N-24815SBB	0.5	TPH as Motor Oil	140	
NEPTUNE AVE	24815	N-24815SBB	2	TPH as Motor Oil	1100	
NEPTUNE AVE	24815	N-24815SBB	3.5	TPH as Motor Oil	8800	
NEPTUNE AVE	24815	N-24815SBB	5	TPH as Motor Oil	5600	Y
NEPTUNE AVE	24815	N-24815SBB	10	TPH as Motor Oil	170	
NEPTUNE AVE	24815	N-24815SBC	0.5	TPH as Motor Oil	440	
NEPTUNE AVE	24815	N-24815SBC	2	TPH as Motor Oil	470	
NEPTUNE AVE	24815	N-24815SBC	5	TPH as Motor Oil	7600	Y
NEPTUNE AVE	24815	N-24815SBC	7	TPH as Motor Oil	850	
NEPTUNE AVE	24815	N-24815SBC	10	TPH as Motor Oil	0	
NEPTUNE AVE	24825	N-24825SF	0.5	TPH as Motor Oil	1400	Y
NEPTUNE AVE	24825	N-24825SF	5	TPH as Motor Oil	34	
NEPTUNE AVE	24825	N-24825SF	10	TPH as Motor Oil	12	
NEPTUNE AVE	24825	N-24825SBC	0.5	TPH as Motor Oil	82	
NEPTUNE AVE	24825	N-24825SBC	2	TPH as Motor Oil	1300	Y
NEPTUNE AVE	24825	N-24825SBC	5	TPH as Motor Oil	110	
NEPTUNE AVE	24825	N-24825SBC	10	TPH as Motor Oil	100	
NEPTUNE AVE	24825	N-24825SBD	0.5	TPH as Motor Oil	180	
NEPTUNE AVE	24825	N-24825SBD	2	TPH as Motor Oil	2900	Y
NEPTUNE AVE	24825	N-24825SBD	5	TPH as Motor Oil	44	
NEPTUNE AVE	24825	N-24825SBD	10	TPH as Motor Oil	52	
NEPTUNE AVE	24825	N-24825SFL	0.5	TPH as Motor Oil	1100	Y
NEPTUNE AVE	24825	N-24825SFL	2	TPH as Motor Oil	39	
NEPTUNE AVE	24825	N-24825SFL	5	TPH as Motor Oil	0	
NEPTUNE AVE	24825	N-24825SFL	10	TPH as Motor Oil	0	
NEPTUNE AVE	24825	N-24825SFN	0.5	TPH as Motor Oil	850	
NEPTUNE AVE	24825	N-24825SFN	2	TPH as Motor Oil	1700	Y
NEPTUNE AVE	24825	N-24825SFN	5	TPH as Motor Oil	14	
NEPTUNE AVE	24825	N-24825SFN	10	TPH as Motor Oil	29	
NEPTUNE AVE	24904	N-24904SBA	0.5	TPH as Motor Oil	460	
NEPTUNE AVE	24904	N-24904SBA	2	TPH as Motor Oil	130	
NEPTUNE AVE	24904	N-24904SBA	5	TPH as Motor Oil	1500	Y
NEPTUNE AVE	24904	N-24904SBA	10	TPH as Motor Oil	220	
NEPTUNE AVE	24904	N-24904SBB	0.5	TPH as Motor Oil	490	
NEPTUNE AVE	24904	N-24904SBB	2	TPH as Motor Oil	600	
NEPTUNE AVE	24904	N-24904SBB	3.5	TPH as Motor Oil	3000	Y
NEPTUNE AVE	24904	N-24904SBB	5	TPH as Motor Oil	580	
NEPTUNE AVE	24904	N-24904SBB	10	TPH as Motor Oil	640	
NEPTUNE AVE	24904	N-24904SFB	0.5	TPH as Motor Oil	1200	
NEPTUNE AVE	24904	N-24904SFB	2	TPH as Motor Oil	1400	
NEPTUNE AVE	24904	N-24904SFB	5	TPH as Motor Oil	690	
NEPTUNE AVE	24904	N-24904SFB	7.5	TPH as Motor Oil	2200	Y
NEPTUNE AVE	24904	N-24904SFB	10	TPH as Motor Oil	90	
NEPTUNE AVE	24904	N-24904SFC	0.5	TPH as Motor Oil	220	
NEPTUNE AVE	24904	N-24904SFC	2	TPH as Motor Oil	1600	
NEPTUNE AVE	24904	N-24904SFC	5	TPH as Motor Oil	700	
NEPTUNE AVE	24904	N-24904SFC	8	TPH as Motor Oil	1900	Y
NEPTUNE AVE	24904	N-24904SFC	10	TPH as Motor Oil	0	
NEPTUNE AVE	24904	N-24904SFG	0.5	TPH as Motor Oil	600	
NEPTUNE AVE	24904	N-24904SFG	2	TPH as Motor Oil	110	
NEPTUNE AVE	24904	N-24904SFG	5	TPH as Motor Oil	470	
NEPTUNE AVE	24904	N-24904SFG	7	TPH as Motor Oil	3600	Y
NEPTUNE AVE	24904	N-24904SFG	10	TPH as Motor Oil	640	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

NEPTUNE AVE	24904	N-24904SFH	0.5	TPH as Motor Oil	750	
NEPTUNE AVE	24904	N-24904SFH	2	TPH as Motor Oil	180	
NEPTUNE AVE	24904	N-24904SFH	5	TPH as Motor Oil	520	
NEPTUNE AVE	24904	N-24904SFH	6.5	TPH as Motor Oil	3000	Y
NEPTUNE AVE	24904	N-24904SFH	10	TPH as Motor Oil	140	
NEPTUNE AVE	24912	N-24912SBA	0.5	TPH as Motor Oil	36	
NEPTUNE AVE	24912	N-24912SBA	2	TPH as Motor Oil	280	
NEPTUNE AVE	24912	N-24912SBA	5	TPH as Motor Oil	240	
NEPTUNE AVE	24912	N-24912SBA	8.5	TPH as Motor Oil	4100	Y
NEPTUNE AVE	24912	N-24912SBA	10	TPH as Motor Oil	350	
PANAMA AVE	24402	P-24402SBB	0.5	TPH as Motor Oil	520	
PANAMA AVE	24402	P-24402SBB	2	TPH as Motor Oil	7500	Y
PANAMA AVE	24402	P-24402SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24402	P-24402SBB	10	TPH as Motor Oil	51	
PANAMA AVE	24402	P-24402SFB	0.5	TPH as Motor Oil	270	
PANAMA AVE	24402	P-24402SFB	2	TPH as Motor Oil	720	
PANAMA AVE	24402	P-24402SFB	5	TPH as Motor Oil	1500	Y
PANAMA AVE	24402	P-24402SFB	10	TPH as Motor Oil	45	
PANAMA AVE	24406	P-24406SB	0.5	TPH as Motor Oil	2700	Y
PANAMA AVE	24406	P-24406SB	5	TPH as Motor Oil	0	
PANAMA AVE	24406	P-24406SB	10	TPH as Motor Oil	0	
PANAMA AVE	24406	P-24406SFA	0.5	TPH as Motor Oil	1100	
PANAMA AVE	24406	P-24406SFA	2	TPH as Motor Oil	790	
PANAMA AVE	24406	P-24406SFA	3.5	TPH as Motor Oil	18000	Y
PANAMA AVE	24406	P-24406SFA	5	TPH as Motor Oil	99	
PANAMA AVE	24406	P-24406SFA	10	TPH as Motor Oil	17	
PANAMA AVE	24410	P-24410SBD	0.5	TPH as Motor Oil	2600	Y
PANAMA AVE	24410	P-24410SBD	2	TPH as Motor Oil	0	
PANAMA AVE	24410	P-24410SBD	5	TPH as Motor Oil	0	
PANAMA AVE	24410	P-24410SBD	10	TPH as Motor Oil	0	
PANAMA AVE	24410	P-24410SFC	0.5	TPH as Motor Oil	230	
PANAMA AVE	24410	P-24410SFC	2	TPH as Motor Oil	880	
PANAMA AVE	24410	P-24410SFC	3.5	TPH as Motor Oil	2600	Y
PANAMA AVE	24410	P-24410SFC	5	TPH as Motor Oil	0	
PANAMA AVE	24410	P-24410SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24410	P-24410SFD	0.5	TPH as Motor Oil	3900	Y
PANAMA AVE	24410	P-24410SFD	2	TPH as Motor Oil	410	
PANAMA AVE	24410	P-24410SFD	5	TPH as Motor Oil	0	
PANAMA AVE	24410	P-24410SFD	10	TPH as Motor Oil	0	
PANAMA AVE	24416	P-24416SBB	-0.5	TPH as Motor Oil	460	
PANAMA AVE	24416	P-24416SBB	0.5	TPH as Motor Oil	5500	Y
PANAMA AVE	24416	P-24416SBB	2	TPH as Motor Oil	110	
PANAMA AVE	24416	P-24416SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24416	P-24416SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24416	P-24416SFC	0.5	TPH as Motor Oil	650	
PANAMA AVE	24416	P-24416SFC	2	TPH as Motor Oil	1100	Y
PANAMA AVE	24416	P-24416SFC	5	TPH as Motor Oil	50	
PANAMA AVE	24416	P-24416SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24417	P-24417SBA	0.5	TPH as Motor Oil	2200	
PANAMA AVE	24417	P-24417SBA	2	TPH as Motor Oil	1000	Y
PANAMA AVE	24417	P-24417SBA	5	TPH as Motor Oil	0	
PANAMA AVE	24417	P-24417SBA	6.5	TPH as Motor Oil	0	
PANAMA AVE	24417	P-24417SBA	10	TPH as Motor Oil	1500	
PANAMA AVE	24417	P-24417SBB	0.5	TPH as Motor Oil	1700	
PANAMA AVE	24417	P-24417SBB	2	TPH as Motor Oil	2800	Y
PANAMA AVE	24417	P-24417SBB	5	TPH as Motor Oil	96	
PANAMA AVE	24417	P-24417SBB	8	TPH as Motor Oil	800	
PANAMA AVE	24417	P-24417SBC	0.5	TPH as Motor Oil	3100	Y
PANAMA AVE	24417	P-24417SBC	2	TPH as Motor Oil	310	
PANAMA AVE	24417	P-24417SBC	5	TPH as Motor Oil	0	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24417	P-24417SBC	8.5	TPH as Motor Oil	170	
PANAMA AVE	24417	P-24417SBC	10	TPH as Motor Oil	12	
PANAMA AVE	24417	P-24417SBD	0.5	TPH as Motor Oil	3200	
PANAMA AVE	24417	P-24417SBD	2	TPH as Motor Oil	2100	Y
PANAMA AVE	24417	P-24417SBD	5	TPH as Motor Oil	110	
PANAMA AVE	24417	P-24417SBD	8	TPH as Motor Oil	10000	
PANAMA AVE	24417	P-24417SFB	0.5	TPH as Motor Oil	1100	
PANAMA AVE	24417	P-24417SFB	2	TPH as Motor Oil	490	
PANAMA AVE	24417	P-24417SFB	5	TPH as Motor Oil	79	
PANAMA AVE	24417	P-24417SFB	7	TPH as Motor Oil	3600	
PANAMA AVE	24417	P-24417SFB	8.5	TPH as Motor Oil	5500	Y
PANAMA AVE	24417	P-24417SFB	10	TPH as Motor Oil	190	
PANAMA AVE	24420	P-24420SB	-1	TPH as Motor Oil	890	
PANAMA AVE	24420	P-24420SB	0.5	TPH as Motor Oil	19000	
PANAMA AVE	24420	P-24420SB	2	TPH as Motor Oil	9200	Y
PANAMA AVE	24420	P-24420SB	5	TPH as Motor Oil	77	
PANAMA AVE	24420	P-24420SB	10	TPH as Motor Oil	750	
PANAMA AVE	24420	P-24420SBA	-1.5	TPH as Motor Oil	3100	
PANAMA AVE	24420	P-24420SBA	-0.5	TPH as Motor Oil	1800	Y
PANAMA AVE	24420	P-24420SBA	0.5	TPH as Motor Oil	140	
PANAMA AVE	24420	P-24420SBA	2	TPH as Motor Oil	9.7	
PANAMA AVE	24420	P-24420SBA	5	TPH as Motor Oil	25	
PANAMA AVE	24420	P-24420SBA	10	TPH as Motor Oil	24	
PANAMA AVE	24420	P-24420SBB	-1.5	TPH as Motor Oil	13000	Y
PANAMA AVE	24420	P-24420SBB	-0.5	TPH as Motor Oil	390	
PANAMA AVE	24420	P-24420SBB	0.5	TPH as Motor Oil	47	
PANAMA AVE	24420	P-24420SBB	2	TPH as Motor Oil	1200	
PANAMA AVE	24420	P-24420SBB	5	TPH as Motor Oil	750	
PANAMA AVE	24420	P-24420SBB	10	TPH as Motor Oil	89	
PANAMA AVE	24421	P-24421SBA	0.5	TPH as Motor Oil	960	
PANAMA AVE	24421	P-24421SBA	2	TPH as Motor Oil	2200	
PANAMA AVE	24421	P-24421SBA	5	TPH as Motor Oil	1200	Y
PANAMA AVE	24421	P-24421SBA	6.5	TPH as Motor Oil	66	
PANAMA AVE	24421	P-24421SBB	0.5	TPH as Motor Oil	1800	
PANAMA AVE	24421	P-24421SBB	2	TPH as Motor Oil	2100	Y
PANAMA AVE	24421	P-24421SBB	5	TPH as Motor Oil	43	
PANAMA AVE	24421	P-24421SBB	9.5	TPH as Motor Oil	8600	
PANAMA AVE	24421	P-24421SBB	10	TPH as Motor Oil	2300	
PANAMA AVE	24421	P-24421SBC	0.5	TPH as Motor Oil	1400	
PANAMA AVE	24421	P-24421SBC	2	TPH as Motor Oil	2300	Y
PANAMA AVE	24421	P-24421SBC	5	TPH as Motor Oil	190	
PANAMA AVE	24421	P-24421SBC	9	TPH as Motor Oil	2800	Y
PANAMA AVE	24421	P-24421SBC	10	TPH as Motor Oil	500	
PANAMA AVE	24421	P-24421SFC	0.5	TPH as Motor Oil	670	
PANAMA AVE	24421	P-24421SFC	2	TPH as Motor Oil	1600	
PANAMA AVE	24421	P-24421SFC	3.5	TPH as Motor Oil	6100	
PANAMA AVE	24421	P-24421SFC	5	TPH as Motor Oil	8900	Y
PANAMA AVE	24421	P-24421SFC	10	TPH as Motor Oil	94	
PANAMA AVE	24426	P-24426SBC	-1	TPH as Motor Oil	9800	
PANAMA AVE	24426	P-24426SBC	0.5	TPH as Motor Oil	3600	Y
PANAMA AVE	24426	P-24426SBC	2	TPH as Motor Oil	170	
PANAMA AVE	24426	P-24426SBC	5	TPH as Motor Oil	92	
PANAMA AVE	24426	P-24426SBC	10	TPH as Motor Oil	95	
PANAMA AVE	24427	P-24427SBB	0.5	TPH as Motor Oil	950	
PANAMA AVE	24427	P-24427SBB	2	TPH as Motor Oil	620	
PANAMA AVE	24427	P-24427SBB	5	TPH as Motor Oil	2800	Y
PANAMA AVE	24427	P-24427SBB	10	TPH as Motor Oil	210	
PANAMA AVE	24427	P-24427SBC	0.5	TPH as Motor Oil	590	
PANAMA AVE	24427	P-24427SBC	2	TPH as Motor Oil	1600	Y
PANAMA AVE	24427	P-24427SBC	5	TPH as Motor Oil	110	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24427	P-24427SBC	8	TPH as Motor Oil	170	
PANAMA AVE	24427	P-24427SBC	10	TPH as Motor Oil	14000	
PANAMA AVE	24431	P-24431SBB	0.5	TPH as Motor Oil	560	
PANAMA AVE	24431	P-24431SBB	2	TPH as Motor Oil	1400	Y
PANAMA AVE	24431	P-24431SBB	5	TPH as Motor Oil	87	
PANAMA AVE	24431	P-24431SBB	6.5	TPH as Motor Oil	640	
PANAMA AVE	24431	P-24431SBB	10	TPH as Motor Oil	5700	
PANAMA AVE	24431	P-24431SBC	0.5	TPH as Motor Oil	340	
PANAMA AVE	24431	P-24431SBC	2	TPH as Motor Oil	7900	Y
PANAMA AVE	24431	P-24431SBC	4	TPH as Motor Oil	710	
PANAMA AVE	24431	P-24431SBC	5	TPH as Motor Oil	1300	
PANAMA AVE	24431	P-24431SBC	10	TPH as Motor Oil	610	
PANAMA AVE	24431	P-24431SFC	0.5	TPH as Motor Oil	96	
PANAMA AVE	24431	P-24431SFC	2	TPH as Motor Oil	2000	Y
PANAMA AVE	24431	P-24431SFC	5	TPH as Motor Oil	250	
PANAMA AVE	24431	P-24431SFC	6	TPH as Motor Oil	200	
PANAMA AVE	24431	P-24431SFC	10	TPH as Motor Oil	1800	
PANAMA AVE	24503	P-24503SBA	0.5	TPH as Motor Oil	2100	
PANAMA AVE	24503	P-24503SBA	2	TPH as Motor Oil	5200	
PANAMA AVE	24503	P-24503SBA	3	TPH as Motor Oil	4300	Y
PANAMA AVE	24503	P-24503SBA	5	TPH as Motor Oil	270	
PANAMA AVE	24503	P-24503SBA	10	TPH as Motor Oil	360	
PANAMA AVE	24503	P-24503SBC	0.5	TPH as Motor Oil	180	
PANAMA AVE	24503	P-24503SBC	2	TPH as Motor Oil	480	
PANAMA AVE	24503	P-24503SBC	3.5	TPH as Motor Oil	13000	
PANAMA AVE	24503	P-24503SBC	5	TPH as Motor Oil	3800	Y
PANAMA AVE	24503	P-24503SBC	10	TPH as Motor Oil	46	
PANAMA AVE	24509	P-24509SBA	0.5	TPH as Motor Oil	650	
PANAMA AVE	24509	P-24509SBA	2	TPH as Motor Oil	12000	Y
PANAMA AVE	24509	P-24509SBA	5	TPH as Motor Oil	430	
PANAMA AVE	24509	P-24509SBA	8.5	TPH as Motor Oil	4100	
PANAMA AVE	24509	P-24509SBA	10	TPH as Motor Oil	4600	
PANAMA AVE	24509	P-24509SBC	0.5	TPH as Motor Oil	370	
PANAMA AVE	24509	P-24509SBC	2	TPH as Motor Oil	7600	Y
PANAMA AVE	24509	P-24509SBC	5	TPH as Motor Oil	630	
PANAMA AVE	24509	P-24509SBC	8	TPH as Motor Oil	370	
PANAMA AVE	24509	P-24509SBD	0.5	TPH as Motor Oil	400	
PANAMA AVE	24509	P-24509SBD	2	TPH as Motor Oil	1500	Y
PANAMA AVE	24509	P-24509SBD	5	TPH as Motor Oil	97	
PANAMA AVE	24509	P-24509SBD	7.5	TPH as Motor Oil	2800	
PANAMA AVE	24509	P-24509SFE	0.5	TPH as Motor Oil	190	
PANAMA AVE	24509	P-24509SFE	2	TPH as Motor Oil	260	
PANAMA AVE	24509	P-24509SFE	3	TPH as Motor Oil	1300	Y
PANAMA AVE	24509	P-24509SFE	5	TPH as Motor Oil	240	
PANAMA AVE	24509	P-24509SFE	10	TPH as Motor Oil	340	
PANAMA AVE	24513	P-24513SBA	0.5	TPH as Motor Oil	260	
PANAMA AVE	24513	P-24513SBA	2	TPH as Motor Oil	340	
PANAMA AVE	24513	P-24513SBA	4	TPH as Motor Oil	4000	Y
PANAMA AVE	24513	P-24513SBA	5	TPH as Motor Oil	570	
PANAMA AVE	24513	P-24513SBA	10	TPH as Motor Oil	4200	
PANAMA AVE	24513	P-24513SBB	0.5	TPH as Motor Oil	100	
PANAMA AVE	24513	P-24513SBB	2	TPH as Motor Oil	51	
PANAMA AVE	24513	P-24513SBB	5	TPH as Motor Oil	360	
PANAMA AVE	24513	P-24513SBB	7	TPH as Motor Oil	12000	Y
PANAMA AVE	24513	P-24513SBB	10	TPH as Motor Oil	770	
PANAMA AVE	24513	P-24513SBDA	2	TPH as Motor Oil	800	
PANAMA AVE	24513	P-24513SBDA	5	TPH as Motor Oil	600	
PANAMA AVE	24513	P-24513SBDA	6	TPH as Motor Oil	6300	Y
PANAMA AVE	24513	P-24513SBDA	10	TPH as Motor Oil	790	
PANAMA AVE	24513	P-24513SBE	0.5	TPH as Motor Oil	0	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24513	P-24513SBE	2	TPH as Motor Oil	840	
PANAMA AVE	24513	P-24513SBE	5	TPH as Motor Oil	6500	
PANAMA AVE	24513	P-24513SBE	6.5	TPH as Motor Oil	9400	Y
PANAMA AVE	24513	P-24513SBE	10	TPH as Motor Oil	510	
PANAMA AVE	24513	P-24513SBF	0.5	TPH as Motor Oil	150	
PANAMA AVE	24513	P-24513SBF	2	TPH as Motor Oil	1900	
PANAMA AVE	24513	P-24513SBF	5	TPH as Motor Oil	25000	Y
PANAMA AVE	24513	P-24513SBF	10	TPH as Motor Oil	1100	
PANAMA AVE	24513	P-24513SFDA	5	TPH as Motor Oil	7500	Y
PANAMA AVE	24513	P-24513SFDA	10	TPH as Motor Oil	120	
PANAMA AVE	24519	P-24519SBB	0.5	TPH as Motor Oil	36	
PANAMA AVE	24519	P-24519SBB	2	TPH as Motor Oil	210	
PANAMA AVE	24519	P-24519SBB	4	TPH as Motor Oil	2400	Y
PANAMA AVE	24519	P-24519SBB	5	TPH as Motor Oil	29	
PANAMA AVE	24519	P-24519SBB	10	TPH as Motor Oil	500	
PANAMA AVE	24528	P-24528SFB	0.5	TPH as Motor Oil	88	
PANAMA AVE	24528	P-24528SFB	2	TPH as Motor Oil	1400	
PANAMA AVE	24528	P-24528SFB	5	TPH as Motor Oil	2200	Y
PANAMA AVE	24528	P-24528SFB	10	TPH as Motor Oil	34	
PANAMA AVE	24528	P-24528SFC	0.5	TPH as Motor Oil	71	
PANAMA AVE	24528	P-24528SFC	2	TPH as Motor Oil	230	
PANAMA AVE	24528	P-24528SFC	5	TPH as Motor Oil	3100	Y
PANAMA AVE	24528	P-24528SFC	10	TPH as Motor Oil	18	
PANAMA AVE	24528	P-24528SFD	0.5	TPH as Motor Oil	0	
PANAMA AVE	24528	P-24528SFD	2	TPH as Motor Oil	350	
PANAMA AVE	24528	P-24528SFD	4.5	TPH as Motor Oil	3600	Y
PANAMA AVE	24528	P-24528SFD	5	TPH as Motor Oil	500	
PANAMA AVE	24528	P-24528SFD	10	TPH as Motor Oil	0	
PANAMA AVE	24532	P-24532SFA	0.5	TPH as Motor Oil	120	
PANAMA AVE	24532	P-24532SFA	2	TPH as Motor Oil	100	
PANAMA AVE	24532	P-24532SFA	3.5	TPH as Motor Oil	340	
PANAMA AVE	24532	P-24532SFA	5	TPH as Motor Oil	1700	
PANAMA AVE	24532	P-24532SFA	7.5	TPH as Motor Oil	7400	Y
PANAMA AVE	24532	P-24532SFA	10	TPH as Motor Oil	36	
PANAMA AVE	24532	P-24532SFB	0.5	TPH as Motor Oil	87	
PANAMA AVE	24532	P-24532SFB	2	TPH as Motor Oil	190	
PANAMA AVE	24532	P-24532SFB	4	TPH as Motor Oil	160	
PANAMA AVE	24532	P-24532SFB	5	TPH as Motor Oil	170	
PANAMA AVE	24532	P-24532SFB	7.5	TPH as Motor Oil	3100	Y
PANAMA AVE	24532	P-24532SFB	10	TPH as Motor Oil	24	
PANAMA AVE	24532	P-24532SFC	0.5	TPH as Motor Oil	150	
PANAMA AVE	24532	P-24532SFC	2	TPH as Motor Oil	860	
PANAMA AVE	24532	P-24532SFC	4	TPH as Motor Oil	3300	Y
PANAMA AVE	24532	P-24532SFC	5	TPH as Motor Oil	340	
PANAMA AVE	24532	P-24532SFC	7.5	TPH as Motor Oil	3400	Y
PANAMA AVE	24532	P-24532SFC	10	TPH as Motor Oil	120	
PANAMA AVE	24533	P-24533SFB	0.5	TPH as Motor Oil	88	
PANAMA AVE	24533	P-24533SFB	2	TPH as Motor Oil	54	
PANAMA AVE	24533	P-24533SFB	5	TPH as Motor Oil	4500	Y
PANAMA AVE	24533	P-24533SFB	10	TPH as Motor Oil	0	
PANAMA AVE	24533	P-24533SFC	0.5	TPH as Motor Oil	130	
PANAMA AVE	24533	P-24533SFC	2	TPH as Motor Oil	71	
PANAMA AVE	24533	P-24533SFC	5	TPH as Motor Oil	2200	Y
PANAMA AVE	24533	P-24533SFC	10	TPH as Motor Oil	130	
PANAMA AVE	24602	P-24602SF	0.5	TPH as Motor Oil	510	
PANAMA AVE	24602	P-24602SF	2	TPH as Motor Oil	260	
PANAMA AVE	24602	P-24602SF	5	TPH as Motor Oil	2100	Y
PANAMA AVE	24602	P-24602SF	10	TPH as Motor Oil	0	
PANAMA AVE	24602	P-24602SFA	0.5	TPH as Motor Oil	240	
PANAMA AVE	24602	P-24602SFA	2	TPH as Motor Oil	54	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24602	P-24602SFA	5	TPH as Motor Oil	75	
PANAMA AVE	24602	P-24602SFA	8.5	TPH as Motor Oil	2300	Y
PANAMA AVE	24602	P-24602SFA	10	TPH as Motor Oil	88	
PANAMA AVE	24602	P-24602SFB	0.5	TPH as Motor Oil	610	
PANAMA AVE	24602	P-24602SFB	2	TPH as Motor Oil	130	
PANAMA AVE	24602	P-24602SFB	5	TPH as Motor Oil	83	
PANAMA AVE	24602	P-24602SFB	8	TPH as Motor Oil	12000	Y
PANAMA AVE	24602	P-24602SFB	10	TPH as Motor Oil	260	
PANAMA AVE	24602	P-24602SFC	0.5	TPH as Motor Oil	290	
PANAMA AVE	24602	P-24602SFC	2	TPH as Motor Oil	640	
PANAMA AVE	24602	P-24602SFC	5	TPH as Motor Oil	77	
PANAMA AVE	24602	P-24602SFC	8	TPH as Motor Oil	12000	Y
PANAMA AVE	24602	P-24602SFC	10	TPH as Motor Oil	330	
PANAMA AVE	24602	P-24602SFD	0.5	TPH as Motor Oil	250	
PANAMA AVE	24602	P-24602SFD	2	TPH as Motor Oil	210	
PANAMA AVE	24602	P-24602SFD	5	TPH as Motor Oil	83	
PANAMA AVE	24602	P-24602SFD	7	TPH as Motor Oil	4200	Y
PANAMA AVE	24602	P-24602SFD	10	TPH as Motor Oil	150	
PANAMA AVE	24602	P-24602SFE	0.5	TPH as Motor Oil	5200	Y
PANAMA AVE	24602	P-24602SFE	2	TPH as Motor Oil	500	
PANAMA AVE	24602	P-24602SFE	5	TPH as Motor Oil	34	
PANAMA AVE	24602	P-24602SFE	10	TPH as Motor Oil	20	
PANAMA AVE	24603	P-24603SBA	0.5	TPH as Motor Oil	50	
PANAMA AVE	24603	P-24603SBA	2	TPH as Motor Oil	590	
PANAMA AVE	24603	P-24603SBA	5	TPH as Motor Oil	1100	Y
PANAMA AVE	24603	P-24603SBA	10	TPH as Motor Oil	62	
PANAMA AVE	24603	P-24603SFB	0.5	TPH as Motor Oil	130	
PANAMA AVE	24603	P-24603SFB	2	TPH as Motor Oil	80	
PANAMA AVE	24603	P-24603SFB	5	TPH as Motor Oil	5700	Y
PANAMA AVE	24603	P-24603SFB	10	TPH as Motor Oil	89	
PANAMA AVE	24608	P-24608SF	0.5	TPH as Motor Oil	45	
PANAMA AVE	24608	P-24608SF	2	TPH as Motor Oil	310	
PANAMA AVE	24608	P-24608SF	5	TPH as Motor Oil	3100	Y
PANAMA AVE	24608	P-24608SF	10	TPH as Motor Oil	45	
PANAMA AVE	24608	P-24608SFA	0.5	TPH as Motor Oil	210	
PANAMA AVE	24608	P-24608SFA	2	TPH as Motor Oil	0	
PANAMA AVE	24608	P-24608SFA	4	TPH as Motor Oil	3800	
PANAMA AVE	24608	P-24608SFA	5	TPH as Motor Oil	4500	Y
PANAMA AVE	24608	P-24608SFA	10	TPH as Motor Oil	320	
PANAMA AVE	24608	P-24608SFB	0.5	TPH as Motor Oil	260	
PANAMA AVE	24608	P-24608SFB	2	TPH as Motor Oil	58	
PANAMA AVE	24608	P-24608SFB	3.5	TPH as Motor Oil	43000	Y
PANAMA AVE	24608	P-24608SFB	5	TPH as Motor Oil	4900	Y
PANAMA AVE	24608	P-24608SFB	10	TPH as Motor Oil	41	
PANAMA AVE	24609	P-24609SB	0.5	TPH as Motor Oil	0	
PANAMA AVE	24609	P-24609SB	2	TPH as Motor Oil	0	
PANAMA AVE	24609	P-24609SB	5	TPH as Motor Oil	1500	
PANAMA AVE	24609	P-24609SB	7.5	TPH as Motor Oil	5900	Y
PANAMA AVE	24609	P-24609SB	10	TPH as Motor Oil	970	
PANAMA AVE	24609	P-24609SF	0.5	TPH as Motor Oil	30	
PANAMA AVE	24609	P-24609SF	2	TPH as Motor Oil	480	
PANAMA AVE	24609	P-24609SF	3	TPH as Motor Oil	3200	Y
PANAMA AVE	24609	P-24609SF	5	TPH as Motor Oil	0	
PANAMA AVE	24609	P-24609SF	10	TPH as Motor Oil	0	
PANAMA AVE	24609	P-24609SFA	0.5	TPH as Motor Oil	120	
PANAMA AVE	24609	P-24609SFA	2	TPH as Motor Oil	400	
PANAMA AVE	24609	P-24609SFA	5	TPH as Motor Oil	11000	Y
PANAMA AVE	24609	P-24609SFA	10	TPH as Motor Oil	480	
PANAMA AVE	24609	P-24609SFB	0.5	TPH as Motor Oil	4700	Y
PANAMA AVE	24609	P-24609SFB	2	TPH as Motor Oil	100	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24609	P-24609SFB	3	TPH as Motor Oil	890	
PANAMA AVE	24609	P-24609SFB	5	TPH as Motor Oil	1800	Y
PANAMA AVE	24609	P-24609SFB	10	TPH as Motor Oil	96	
PANAMA AVE	24609	P-24609SFC	0.5	TPH as Motor Oil	14	
PANAMA AVE	24609	P-24609SFC	2	TPH as Motor Oil	0	
PANAMA AVE	24609	P-24609SFC	3.5	TPH as Motor Oil	1100	
PANAMA AVE	24609	P-24609SFC	5	TPH as Motor Oil	1200	Y
PANAMA AVE	24609	P-24609SFC	10	TPH as Motor Oil	21	
PANAMA AVE	24612	P-24612SFD	0.5	TPH as Motor Oil	57	
PANAMA AVE	24612	P-24612SFD	2	TPH as Motor Oil	13	
PANAMA AVE	24612	P-24612SFD	3.5	TPH as Motor Oil	7900	Y
PANAMA AVE	24612	P-24612SFD	5	TPH as Motor Oil	950	
PANAMA AVE	24612	P-24612SFD	8	TPH as Motor Oil	5700	Y
PANAMA AVE	24612	P-24612SFD	10	TPH as Motor Oil	1100	
PANAMA AVE	24613	P-24613SBB	0.5	TPH as Motor Oil	0	
PANAMA AVE	24613	P-24613SBB	2	TPH as Motor Oil	1500	
PANAMA AVE	24613	P-24613SBB	5	TPH as Motor Oil	2700	
PANAMA AVE	24613	P-24613SBB	7	TPH as Motor Oil	2500	Y
PANAMA AVE	24613	P-24613SBB	10	TPH as Motor Oil	400	
PANAMA AVE	24613	P-24613SFA	0.5	TPH as Motor Oil	190	
PANAMA AVE	24613	P-24613SFA	2	TPH as Motor Oil	1100	Y
PANAMA AVE	24613	P-24613SFA	3.5	TPH as Motor Oil	83	
PANAMA AVE	24613	P-24613SFA	5	TPH as Motor Oil	790	
PANAMA AVE	24613	P-24613SFA	10	TPH as Motor Oil	200	
PANAMA AVE	24613	P-24613SFC	0.5	TPH as Motor Oil	140	
PANAMA AVE	24613	P-24613SFC	2	TPH as Motor Oil	78	
PANAMA AVE	24613	P-24613SFC	3	TPH as Motor Oil	5300	Y
PANAMA AVE	24613	P-24613SFC	5	TPH as Motor Oil	960	
PANAMA AVE	24613	P-24613SFC	10	TPH as Motor Oil	1400	
PANAMA AVE	24613	P-24613SFD	0.5	TPH as Motor Oil	0	
PANAMA AVE	24613	P-24613SFD	2	TPH as Motor Oil	270	
PANAMA AVE	24613	P-24613SFD	5	TPH as Motor Oil	2500	Y
PANAMA AVE	24613	P-24613SFD	10	TPH as Motor Oil	180	
PANAMA AVE	24613	P-24613SBD	-0.5	TPH as Motor Oil	0	
PANAMA AVE	24613	P-24613SBD	0.5	TPH as Motor Oil	83	
PANAMA AVE	24613	P-24613SBD	2	TPH as Motor Oil	30	
PANAMA AVE	24613	P-24613SBD	3.5	TPH as Motor Oil	2000	Y
PANAMA AVE	24613	P-24613SBD	5	TPH as Motor Oil	300	
PANAMA AVE	24613	P-24613SBD	6	TPH as Motor Oil	1900	
PANAMA AVE	24613	P-24613SBD	7	TPH as Motor Oil	3400	
PANAMA AVE	24613	P-24613SBD	8	TPH as Motor Oil	4500	
PANAMA AVE	24613	P-24613SBD	9	TPH as Motor Oil	1600	
PANAMA AVE	24613	P-24613SBD	10	TPH as Motor Oil	410	
PANAMA AVE	24613	P-24613SBE	3.5	TPH as Motor Oil	75000	Y
PANAMA AVE	24613	P-24613SBE	5	TPH as Motor Oil	2600	
PANAMA AVE	24613	P-24613SBE	6	TPH as Motor Oil	8400	
PANAMA AVE	24613	P-24613SBE	7	TPH as Motor Oil	6200	
PANAMA AVE	24613	P-24613SBE	8	TPH as Motor Oil	8400	
PANAMA AVE	24613	P-24613SBE	9	TPH as Motor Oil	3600	
PANAMA AVE	24613	P-24613SBE	10	TPH as Motor Oil	2600	
PANAMA AVE	24618	P-24618SBC	0.5	TPH as Motor Oil	2000	Y
PANAMA AVE	24618	P-24618SBC	2	TPH as Motor Oil	200	
PANAMA AVE	24618	P-24618SBC	5	TPH as Motor Oil	0	
PANAMA AVE	24618	P-24618SBC	10	TPH as Motor Oil	0	
PANAMA AVE	24618	P-24618SFA	0.5	TPH as Motor Oil	210	
PANAMA AVE	24618	P-24618SFA	2	TPH as Motor Oil	11000	Y
PANAMA AVE	24618	P-24618SFA	5	TPH as Motor Oil	1200	
PANAMA AVE	24618	P-24618SFA	10	TPH as Motor Oil	2700	
PANAMA AVE	24618	P-24618SFCA	6	TPH as Motor Oil	6500	Y
PANAMA AVE	24618	P-24618SFCA	8	TPH as Motor Oil	1200	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24619	P-24619SB	0.5	TPH as Motor Oil	2600	Y
PANAMA AVE	24619	P-24619SB	2	TPH as Motor Oil	240	
PANAMA AVE	24619	P-24619SB	5	TPH as Motor Oil	220	
PANAMA AVE	24619	P-24619SB	7	TPH as Motor Oil	5200	
PANAMA AVE	24619	P-24619SB	10	TPH as Motor Oil	6300	
PANAMA AVE	24619	P-24619SF	-0.5	TPH as Motor Oil	150	
PANAMA AVE	24619	P-24619SF	0.5	TPH as Motor Oil	430	
PANAMA AVE	24619	P-24619SF	2	TPH as Motor Oil	86	
PANAMA AVE	24619	P-24619SF	5	TPH as Motor Oil	1900	Y
PANAMA AVE	24619	P-24619SF	10	TPH as Motor Oil	34	
PANAMA AVE	24619	P-24619SFA	-1	TPH as Motor Oil	160	
PANAMA AVE	24619	P-24619SFA	0.5	TPH as Motor Oil	1700	Y
PANAMA AVE	24619	P-24619SFA	2	TPH as Motor Oil	110	
PANAMA AVE	24619	P-24619SFA	3	TPH as Motor Oil	1300	
PANAMA AVE	24619	P-24619SFA	5	TPH as Motor Oil	5600	
PANAMA AVE	24619	P-24619SFA	10	TPH as Motor Oil	10000	
PANAMA AVE	24619	P-24619SFB	-1	TPH as Motor Oil	410	
PANAMA AVE	24619	P-24619SFB	0.5	TPH as Motor Oil	320	
PANAMA AVE	24619	P-24619SFB	2.5	TPH as Motor Oil	36	
PANAMA AVE	24619	P-24619SFB	5	TPH as Motor Oil	5400	Y
PANAMA AVE	24619	P-24619SFB	10	TPH as Motor Oil	84	
PANAMA AVE	24619	P-24619SFCA	3	TPH as Motor Oil	120	
PANAMA AVE	24619	P-24619SFCA	5	TPH as Motor Oil	2900	Y
PANAMA AVE	24619	P-24619SFCA	10	TPH as Motor Oil	20	
PANAMA AVE	24619	P-24619SFD	-1	TPH as Motor Oil	270	
PANAMA AVE	24619	P-24619SFD	0.5	TPH as Motor Oil	290	
PANAMA AVE	24619	P-24619SFD	2	TPH as Motor Oil	340	
PANAMA AVE	24619	P-24619SFD	3.5	TPH as Motor Oil	3300	
PANAMA AVE	24619	P-24619SFD	5	TPH as Motor Oil	8200	Y
PANAMA AVE	24619	P-24619SFD	10	TPH as Motor Oil	38	
PANAMA AVE	24702	P-24702SFA	0.5	TPH as Motor Oil	400	
PANAMA AVE	24702	P-24702SFA	2	TPH as Motor Oil	340	
PANAMA AVE	24702	P-24702SFA	3.5	TPH as Motor Oil	4600	
PANAMA AVE	24702	P-24702SFA	5	TPH as Motor Oil	3400	Y
PANAMA AVE	24702	P-24702SFA	10	TPH as Motor Oil	540	
PANAMA AVE	24702	P-24702SFB	0.5	TPH as Motor Oil	610	
PANAMA AVE	24702	P-24702SFB	2	TPH as Motor Oil	520	
PANAMA AVE	24702	P-24702SFB	3	TPH as Motor Oil	4400	Y
PANAMA AVE	24702	P-24702SFB	5	TPH as Motor Oil	73	
PANAMA AVE	24702	P-24702SFC	0.5	TPH as Motor Oil	400	
PANAMA AVE	24702	P-24702SFC	2	TPH as Motor Oil	4000	Y
PANAMA AVE	24702	P-24702SFC	5	TPH as Motor Oil	780	
PANAMA AVE	24702	P-24702SFC	10	TPH as Motor Oil	4800	
PANAMA AVE	24708	P-24708SBA	0.5	TPH as Motor Oil	1300	
PANAMA AVE	24708	P-24708SBA	2	TPH as Motor Oil	6600	Y
PANAMA AVE	24708	P-24708SBA	5	TPH as Motor Oil	47	
PANAMA AVE	24708	P-24708SBA	10	TPH as Motor Oil	21	
PANAMA AVE	24708	P-24708SBB	0.5	TPH as Motor Oil	1800	Y
PANAMA AVE	24708	P-24708SBB	2	TPH as Motor Oil	310	
PANAMA AVE	24708	P-24708SBB	5	TPH as Motor Oil	15	
PANAMA AVE	24708	P-24708SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24708	P-24708SBC	0.5	TPH as Motor Oil	1700	
PANAMA AVE	24708	P-24708SBC	2	TPH as Motor Oil	2400	
PANAMA AVE	24708	P-24708SBC	2.5	TPH as Motor Oil	3000	Y
PANAMA AVE	24708	P-24708SBC	5	TPH as Motor Oil	0	
PANAMA AVE	24708	P-24708SBC	10	TPH as Motor Oil	65	
PANAMA AVE	24708	P-24708SFA	0.5	TPH as Motor Oil	820	
PANAMA AVE	24708	P-24708SFA	2	TPH as Motor Oil	3100	Y
PANAMA AVE	24708	P-24708SFA	5	TPH as Motor Oil	260	
PANAMA AVE	24708	P-24708SFA	8	TPH as Motor Oil	7700	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24708	P-24708SFA	10	TPH as Motor Oil	330	
PANAMA AVE	24708	P-24708SFB	0.5	TPH as Motor Oil	820	
PANAMA AVE	24708	P-24708SFB	2	TPH as Motor Oil	1200	Y
PANAMA AVE	24708	P-24708SFB	5	TPH as Motor Oil	38	
PANAMA AVE	24708	P-24708SFB	6	TPH as Motor Oil	3400	Y
PANAMA AVE	24708	P-24708SFB	10	TPH as Motor Oil	65	
PANAMA AVE	24709	P-24709SB	0.5	TPH as Motor Oil	1100	Y
PANAMA AVE	24709	P-24709SB	2	TPH as Motor Oil	160	
PANAMA AVE	24709	P-24709SB	4	TPH as Motor Oil	5800	Y
PANAMA AVE	24709	P-24709SB	5	TPH as Motor Oil	77	
PANAMA AVE	24709	P-24709SB	7	TPH as Motor Oil	41000	
PANAMA AVE	24709	P-24709SB	10	TPH as Motor Oil	9800	
PANAMA AVE	24709	P-24709SF	0.5	TPH as Motor Oil	790	
PANAMA AVE	24709	P-24709SF	2	TPH as Motor Oil	210	
PANAMA AVE	24709	P-24709SF	5	TPH as Motor Oil	10000	Y
PANAMA AVE	24709	P-24709SF	10	TPH as Motor Oil	1600	
PANAMA AVE	24709	P-24709SBA	0.5	TPH as Motor Oil	60	
PANAMA AVE	24709	P-24709SBA	2	TPH as Motor Oil	190	
PANAMA AVE	24709	P-24709SBA	5	TPH as Motor Oil	160	
PANAMA AVE	24709	P-24709SBA	6.5	TPH as Motor Oil	13000	
PANAMA AVE	24709	P-24709SBA	7	TPH as Motor Oil	49000	Y
PANAMA AVE	24709	P-24709SBA	10	TPH as Motor Oil	110	
PANAMA AVE	24709	P-24709SBB	0.5	TPH as Motor Oil	1400	Y
PANAMA AVE	24709	P-24709SBB	2	TPH as Motor Oil	24	
PANAMA AVE	24709	P-24709SBB	4	TPH as Motor Oil	760	
PANAMA AVE	24709	P-24709SBB	5	TPH as Motor Oil	1100	
PANAMA AVE	24709	P-24709SBB	10	TPH as Motor Oil	3000	
PANAMA AVE	24709	P-24709SFA	0.5	TPH as Motor Oil	110	
PANAMA AVE	24709	P-24709SFA	2	TPH as Motor Oil	89	
PANAMA AVE	24709	P-24709SFA	3	TPH as Motor Oil	1100	Y
PANAMA AVE	24709	P-24709SFA	5	TPH as Motor Oil	58	
PANAMA AVE	24709	P-24709SFA	10	TPH as Motor Oil	13000	
PANAMA AVE	24709	P-24709SFD	0.5	TPH as Motor Oil	0	
PANAMA AVE	24709	P-24709SFD	2	TPH as Motor Oil	53	
PANAMA AVE	24709	P-24709SFD	4	TPH as Motor Oil	2200	Y
PANAMA AVE	24709	P-24709SFD	5	TPH as Motor Oil	150	
PANAMA AVE	24709	P-24709SFD	6	TPH as Motor Oil	16000	
PANAMA AVE	24709	P-24709SFD	6.5	TPH as Motor Oil	25000	Y
PANAMA AVE	24709	P-24709SFD	10	TPH as Motor Oil	1100	
PANAMA AVE	24712	P-24712SB	1	TPH as Motor Oil	70	
PANAMA AVE	24712	P-24712SB	2	TPH as Motor Oil	2800	Y
PANAMA AVE	24712	P-24712SB	5	TPH as Motor Oil	88	
PANAMA AVE	24712	P-24712SB	10	TPH as Motor Oil	170	
PANAMA AVE	24712	P-24712SF	0.5	TPH as Motor Oil	110	
PANAMA AVE	24712	P-24712SF	2	TPH as Motor Oil	1700	
PANAMA AVE	24712	P-24712SF	5	TPH as Motor Oil	6000	
PANAMA AVE	24712	P-24712SF	7	TPH as Motor Oil	3200	Y
PANAMA AVE	24712	P-24712SF	10	TPH as Motor Oil	0	
PANAMA AVE	24712	P-24712SFA	0.5	TPH as Motor Oil	150	
PANAMA AVE	24712	P-24712SFA	2	TPH as Motor Oil	1000	
PANAMA AVE	24712	P-24712SFA	5	TPH as Motor Oil	3000	Y
PANAMA AVE	24712	P-24712SFA	10	TPH as Motor Oil	47	
PANAMA AVE	24712	P-24712SFB	0.5	TPH as Motor Oil	220	
PANAMA AVE	24712	P-24712SFB	2	TPH as Motor Oil	1200	
PANAMA AVE	24712	P-24712SFB	3.5	TPH as Motor Oil	2200	
PANAMA AVE	24712	P-24712SFB	5	TPH as Motor Oil	7200	Y
PANAMA AVE	24712	P-24712SFB	10	TPH as Motor Oil	150	
PANAMA AVE	24712	P-24712SFD	0.5	TPH as Motor Oil	420	
PANAMA AVE	24712	P-24712SFD	2	TPH as Motor Oil	350	
PANAMA AVE	24712	P-24712SFD	3.5	TPH as Motor Oil	38000	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24712	P-24712SFD	5	TPH as Motor Oil	5400	
PANAMA AVE	24712	P-24712SFD	10	TPH as Motor Oil	4100	
PANAMA AVE	24713	P-24713SBA	0.5	TPH as Motor Oil	130	
PANAMA AVE	24713	P-24713SBA	2	TPH as Motor Oil	76	
PANAMA AVE	24713	P-24713SBA	5	TPH as Motor Oil	2000	Y
PANAMA AVE	24713	P-24713SBA	10	TPH as Motor Oil	55	
PANAMA AVE	24713	P-24713SFA	0.5	TPH as Motor Oil	63	
PANAMA AVE	24713	P-24713SFA	2	TPH as Motor Oil	37	
PANAMA AVE	24713	P-24713SFA	4	TPH as Motor Oil	7900	Y
PANAMA AVE	24713	P-24713SFA	5	TPH as Motor Oil	550	
PANAMA AVE	24713	P-24713SFA	9	TPH as Motor Oil	22000	Y
PANAMA AVE	24713	P-24713SFA	10	TPH as Motor Oil	1000	
PANAMA AVE	24718	P-24718SBC	0.5	TPH as Motor Oil	190	
PANAMA AVE	24718	P-24718SBC	2	TPH as Motor Oil	220	
PANAMA AVE	24718	P-24718SBC	3.5	TPH as Motor Oil	27000	Y
PANAMA AVE	24718	P-24718SBC	5	TPH as Motor Oil	400	
PANAMA AVE	24718	P-24718SBC	10	TPH as Motor Oil	410	
PANAMA AVE	24718	P-24718SFC	0.5	TPH as Motor Oil	460	
PANAMA AVE	24718	P-24718SFC	2	TPH as Motor Oil	600	
PANAMA AVE	24718	P-24718SFC	3.5	TPH as Motor Oil	6700	Y
PANAMA AVE	24718	P-24718SFC	5	TPH as Motor Oil	140	
PANAMA AVE	24718	P-24718SFC	10	TPH as Motor Oil	160	
PANAMA AVE	24719	P-24719SBA	0.5	TPH as Motor Oil	260	
PANAMA AVE	24719	P-24719SBA	2	TPH as Motor Oil	110	
PANAMA AVE	24719	P-24719SBA	5	TPH as Motor Oil	1500	Y
PANAMA AVE	24719	P-24719SBA	10	TPH as Motor Oil	120	
PANAMA AVE	24719	P-24719SBB	0.5	TPH as Motor Oil	81	
PANAMA AVE	24719	P-24719SBB	2	TPH as Motor Oil	41	
PANAMA AVE	24719	P-24719SBB	5	TPH as Motor Oil	2100	Y
PANAMA AVE	24719	P-24719SBB	10	TPH as Motor Oil	99	
PANAMA AVE	24719	P-24719SBC	0.5	TPH as Motor Oil	430	
PANAMA AVE	24719	P-24719SBC	2	TPH as Motor Oil	840	
PANAMA AVE	24719	P-24719SBC	5	TPH as Motor Oil	4800	Y
PANAMA AVE	24719	P-24719SBC	10	TPH as Motor Oil	280	
PANAMA AVE	24719	P-24719SFA	0.5	TPH as Motor Oil	240	
PANAMA AVE	24719	P-24719SFA	2	TPH as Motor Oil	100	
PANAMA AVE	24719	P-24719SFA	5	TPH as Motor Oil	200	
PANAMA AVE	24719	P-24719SFA	5.5	TPH as Motor Oil	2200	
PANAMA AVE	24719	P-24719SFA	8.5	TPH as Motor Oil	18000	Y
PANAMA AVE	24719	P-24719SFA	10	TPH as Motor Oil	72	
PANAMA AVE	24722	P-24722SBA	0.5	TPH as Motor Oil	600	
PANAMA AVE	24722	P-24722SBA	2	TPH as Motor Oil	1200	Y
PANAMA AVE	24722	P-24722SBA	5	TPH as Motor Oil	63	
PANAMA AVE	24722	P-24722SBA	10	TPH as Motor Oil	35	
PANAMA AVE	24722	P-24722SF	0.5	TPH as Motor Oil	230	
PANAMA AVE	24722	P-24722SF	2	TPH as Motor Oil	1600	Y
PANAMA AVE	24722	P-24722SF	5	TPH as Motor Oil	63	
PANAMA AVE	24722	P-24722SF	10	TPH as Motor Oil	0	
PANAMA AVE	24728	P-24728SBA	0.5	TPH as Motor Oil	240	
PANAMA AVE	24728	P-24728SBA	2	TPH as Motor Oil	110	
PANAMA AVE	24728	P-24728SBA	3	TPH as Motor Oil	24000	Y
PANAMA AVE	24728	P-24728SBA	5	TPH as Motor Oil	1400	
PANAMA AVE	24728	P-24728SBA	10	TPH as Motor Oil	390	
PANAMA AVE	24728	P-24728SBB	0.5	TPH as Motor Oil	260	
PANAMA AVE	24728	P-24728SBB	2	TPH as Motor Oil	2000	
PANAMA AVE	24728	P-24728SBB	3	TPH as Motor Oil	18000	
PANAMA AVE	24728	P-24728SBB	3.5	TPH as Motor Oil	78000	Y
PANAMA AVE	24728	P-24728SBB	5	TPH as Motor Oil	250	
PANAMA AVE	24728	P-24728SBB	10	TPH as Motor Oil	2200	
PANAMA AVE	24728	P-24728SBC	0.5	TPH as Motor Oil	550	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24728	P-24728SBC	2	TPH as Motor Oil	390	
PANAMA AVE	24728	P-24728SBC	3	TPH as Motor Oil	38000	Y
PANAMA AVE	24728	P-24728SBC	5	TPH as Motor Oil	2000	Y
PANAMA AVE	24728	P-24728SBC	10	TPH as Motor Oil	79	
PANAMA AVE	24728	P-24728SFA	0.5	TPH as Motor Oil	380	
PANAMA AVE	24728	P-24728SFA	2	TPH as Motor Oil	0	
PANAMA AVE	24728	P-24728SFA	3	TPH as Motor Oil	26000	Y
PANAMA AVE	24728	P-24728SFA	3.5	TPH as Motor Oil	2500	Y
PANAMA AVE	24728	P-24728SFA	5	TPH as Motor Oil	0	
PANAMA AVE	24728	P-24728SFA	10	TPH as Motor Oil	32	
PANAMA AVE	24728	P-24728SFB	0.5	TPH as Motor Oil	410	
PANAMA AVE	24728	P-24728SFB	2	TPH as Motor Oil	2400	Y
PANAMA AVE	24728	P-24728SFB	5	TPH as Motor Oil	20	
PANAMA AVE	24728	P-24728SFB	10	TPH as Motor Oil	23	
PANAMA AVE	24728	P-24728SFC	0.5	TPH as Motor Oil	180	
PANAMA AVE	24728	P-24728SFC	2	TPH as Motor Oil	1700	
PANAMA AVE	24728	P-24728SFC	3.5	TPH as Motor Oil	1300	Y
PANAMA AVE	24728	P-24728SFC	5	TPH as Motor Oil	220	
PANAMA AVE	24728	P-24728SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24729	P-24729SFB	0.5	TPH as Motor Oil	770	
PANAMA AVE	24729	P-24729SFB	2	TPH as Motor Oil	1800	Y
PANAMA AVE	24729	P-24729SFB	5	TPH as Motor Oil	0	
PANAMA AVE	24729	P-24729SFB	10	TPH as Motor Oil	69	
PANAMA AVE	24729	P-24729SFC	0.5	TPH as Motor Oil	120	
PANAMA AVE	24729	P-24729SFC	2	TPH as Motor Oil	1900	Y
PANAMA AVE	24729	P-24729SFC	3.5	TPH as Motor Oil	120	
PANAMA AVE	24729	P-24729SFC	5	TPH as Motor Oil	0	
PANAMA AVE	24729	P-24729SFC	10	TPH as Motor Oil	18	
PANAMA AVE	24729	P-24729SFD	0.5	TPH as Motor Oil	470	
PANAMA AVE	24729	P-24729SFD	2	TPH as Motor Oil	1400	
PANAMA AVE	24729	P-24729SFD	3	TPH as Motor Oil	1900	Y
PANAMA AVE	24729	P-24729SFD	5	TPH as Motor Oil	18	
PANAMA AVE	24729	P-24729SFD	10	TPH as Motor Oil	50	
PANAMA AVE	24732	P-24732SB	0.5	TPH as Motor Oil	810	
PANAMA AVE	24732	P-24732SB	2	TPH as Motor Oil	1600	Y
PANAMA AVE	24732	P-24732SB	5	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SB	10	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SBA	0.5	TPH as Motor Oil	290	
PANAMA AVE	24732	P-24732SBA	2	TPH as Motor Oil	1200	Y
PANAMA AVE	24732	P-24732SBA	5	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SBA	10	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SBB	0.5	TPH as Motor Oil	310	
PANAMA AVE	24732	P-24732SBB	2	TPH as Motor Oil	4200	Y
PANAMA AVE	24732	P-24732SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SBC	0.5	TPH as Motor Oil	570	
PANAMA AVE	24732	P-24732SBC	2	TPH as Motor Oil	1400	Y
PANAMA AVE	24732	P-24732SBC	5	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SBC	10	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SFC	0.5	TPH as Motor Oil	690	
PANAMA AVE	24732	P-24732SFC	2	TPH as Motor Oil	250	
PANAMA AVE	24732	P-24732SFC	2.5	TPH as Motor Oil	1000	Y
PANAMA AVE	24732	P-24732SFC	5	TPH as Motor Oil	0	
PANAMA AVE	24732	P-24732SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24733	P-24733SBC	0.5	TPH as Motor Oil	190	
PANAMA AVE	24733	P-24733SBC	2	TPH as Motor Oil	3800	Y
PANAMA AVE	24733	P-24733SBC	5	TPH as Motor Oil	120	
PANAMA AVE	24733	P-24733SBC	10	TPH as Motor Oil	15	
PANAMA AVE	24733	P-24733SFA	0.5	TPH as Motor Oil	420	
PANAMA AVE	24733	P-24733SFA	2	TPH as Motor Oil	1000	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24733	P-24733SFA	3	TPH as Motor Oil	3700	Y
PANAMA AVE	24733	P-24733SFA	5	TPH as Motor Oil	680	
PANAMA AVE	24733	P-24733SFA	10	TPH as Motor Oil	260	
PANAMA AVE	24733	P-24733SFC	0.5	TPH as Motor Oil	1100	
PANAMA AVE	24733	P-24733SFC	2	TPH as Motor Oil	1700	Y
PANAMA AVE	24733	P-24733SFC	5	TPH as Motor Oil	33	
PANAMA AVE	24733	P-24733SFC	10	TPH as Motor Oil	35	
PANAMA AVE	24733	P-24733SFE	0.5	TPH as Motor Oil	280	
PANAMA AVE	24733	P-24733SFE	2	TPH as Motor Oil	920	
PANAMA AVE	24733	P-24733SFE	4	TPH as Motor Oil	4700	Y
PANAMA AVE	24733	P-24733SFE	5	TPH as Motor Oil	17	
PANAMA AVE	24733	P-24733SFE	10	TPH as Motor Oil	56	
PANAMA AVE	24733	P-24733SFF	0.5	TPH as Motor Oil	110	
PANAMA AVE	24733	P-24733SFF	2	TPH as Motor Oil	2900	Y
PANAMA AVE	24733	P-24733SFF	5	TPH as Motor Oil	44	
PANAMA AVE	24733	P-24733SFF	10	TPH as Motor Oil	15	
PANAMA AVE	24738	P-24738SBA	0.5	TPH as Motor Oil	390	
PANAMA AVE	24738	P-24738SBA	2	TPH as Motor Oil	1900	Y
PANAMA AVE	24738	P-24738SBA	5	TPH as Motor Oil	0	
PANAMA AVE	24738	P-24738SBA	10	TPH as Motor Oil	24	
PANAMA AVE	24738	P-24738SBB	0.5	TPH as Motor Oil	390	
PANAMA AVE	24738	P-24738SBB	2	TPH as Motor Oil	6600	Y
PANAMA AVE	24738	P-24738SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24738	P-24738SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24738	P-24738SBC	0.5	TPH as Motor Oil	590	
PANAMA AVE	24738	P-24738SBC	2	TPH as Motor Oil	3400	Y
PANAMA AVE	24738	P-24738SBC	5	TPH as Motor Oil	0	
PANAMA AVE	24738	P-24738SBC	10	TPH as Motor Oil	0	
PANAMA AVE	24738	P-24738SFA	0.5	TPH as Motor Oil	340	
PANAMA AVE	24738	P-24738SFA	2	TPH as Motor Oil	270	
PANAMA AVE	24738	P-24738SFA	3	TPH as Motor Oil	7200	Y
PANAMA AVE	24738	P-24738SFA	5	TPH as Motor Oil	160	
PANAMA AVE	24738	P-24738SFA	10	TPH as Motor Oil	0	
PANAMA AVE	24738	P-24738SFB	0.5	TPH as Motor Oil	230	
PANAMA AVE	24738	P-24738SFB	2	TPH as Motor Oil	59	
PANAMA AVE	24738	P-24738SFB	4	TPH as Motor Oil	4800	
PANAMA AVE	24738	P-24738SFB	5	TPH as Motor Oil	7800	Y
PANAMA AVE	24738	P-24738SFB	10	TPH as Motor Oil	190	
PANAMA AVE	24738	P-24738SFC	0.5	TPH as Motor Oil	430	
PANAMA AVE	24738	P-24738SFC	2	TPH as Motor Oil	530	
PANAMA AVE	24738	P-24738SFC	3.5	TPH as Motor Oil	2900	
PANAMA AVE	24738	P-24738SFC	5	TPH as Motor Oil	7200	Y
PANAMA AVE	24738	P-24738SFC	10	TPH as Motor Oil	210	
PANAMA AVE	24738	P-24738SFD	0.5	TPH as Motor Oil	1000	Y
PANAMA AVE	24738	P-24738SFD	2	TPH as Motor Oil	150	
PANAMA AVE	24738	P-24738SFD	3	TPH as Motor Oil	4200	
PANAMA AVE	24738	P-24738SFD	5	TPH as Motor Oil	1300	Y
PANAMA AVE	24738	P-24738SFD	10	TPH as Motor Oil	39	
PANAMA AVE	24739	P-24739SB	0.5	TPH as Motor Oil	460	
PANAMA AVE	24739	P-24739SB	2	TPH as Motor Oil	1800	
PANAMA AVE	24739	P-24739SB	5	TPH as Motor Oil	1300	Y
PANAMA AVE	24739	P-24739SB	10	TPH as Motor Oil	33	
PANAMA AVE	24739	P-24739SF	0.5	TPH as Motor Oil	7600	Y
PANAMA AVE	24739	P-24739SF	2	TPH as Motor Oil	910	
PANAMA AVE	24739	P-24739SF	5	TPH as Motor Oil	89	
PANAMA AVE	24739	P-24739SF	10	TPH as Motor Oil	260	
PANAMA AVE	24739	P-24739SBA	0.5	TPH as Motor Oil	490	
PANAMA AVE	24739	P-24739SBA	2	TPH as Motor Oil	850	
PANAMA AVE	24739	P-24739SBA	3	TPH as Motor Oil	14000	
PANAMA AVE	24739	P-24739SBA	5	TPH as Motor Oil	5100	Y

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24739	P-24739SBA	10	TPH as Motor Oil	590	
PANAMA AVE	24739	P-24739SBD	0.5	TPH as Motor Oil	780	
PANAMA AVE	24739	P-24739SBD	2	TPH as Motor Oil	14000	Y
PANAMA AVE	24739	P-24739SBD	5	TPH as Motor Oil	69	
PANAMA AVE	24739	P-24739SBD	10	TPH as Motor Oil	210	
PANAMA AVE	24739	P-24739SFC	-0.5	TPH as Motor Oil	58	
PANAMA AVE	24739	P-24739SFC	0.5	TPH as Motor Oil	29	
PANAMA AVE	24739	P-24739SFC	2	TPH as Motor Oil	3300	Y
PANAMA AVE	24739	P-24739SFC	5	TPH as Motor Oil	30	
PANAMA AVE	24739	P-24739SFC	10	TPH as Motor Oil	13	
PANAMA AVE	24739	P-24739SFD	-0.5	TPH as Motor Oil	38	
PANAMA AVE	24739	P-24739SFD	0.5	TPH as Motor Oil	560	
PANAMA AVE	24739	P-24739SFD	2	TPH as Motor Oil	10000	Y
PANAMA AVE	24739	P-24739SFD	5	TPH as Motor Oil	190	
PANAMA AVE	24739	P-24739SFD	10	TPH as Motor Oil	140	
PANAMA AVE	24802	P-24802SB	0.5	TPH as Motor Oil	3400	
PANAMA AVE	24802	P-24802SB	2	TPH as Motor Oil	6100	Y
PANAMA AVE	24802	P-24802SB	5	TPH as Motor Oil	0	
PANAMA AVE	24802	P-24802SB	10	TPH as Motor Oil	0	
PANAMA AVE	24802	P-24802SBB	0.5	TPH as Motor Oil	240	
PANAMA AVE	24802	P-24802SBB	2	TPH as Motor Oil	2400	Y
PANAMA AVE	24802	P-24802SBB	5	TPH as Motor Oil	80	
PANAMA AVE	24802	P-24802SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24802	P-24802SBC	0.5	TPH as Motor Oil	220	
PANAMA AVE	24802	P-24802SBC	2	TPH as Motor Oil	3300	Y
PANAMA AVE	24802	P-24802SBC	5	TPH as Motor Oil	23	
PANAMA AVE	24802	P-24802SBC	10	TPH as Motor Oil	38	
PANAMA AVE	24802	P-24802SBD	0.5	TPH as Motor Oil	43	
PANAMA AVE	24802	P-24802SBD	2	TPH as Motor Oil	2100	
PANAMA AVE	24802	P-24802SBD	2.5	TPH as Motor Oil	5600	Y
PANAMA AVE	24802	P-24802SBD	5	TPH as Motor Oil	42	
PANAMA AVE	24802	P-24802SBD	10	TPH as Motor Oil	19	
PANAMA AVE	24802	P-24802SBE	0.5	TPH as Motor Oil	1700	
PANAMA AVE	24802	P-24802SBE	2	TPH as Motor Oil	4000	Y
PANAMA AVE	24802	P-24802SBE	5	TPH as Motor Oil	28	
PANAMA AVE	24802	P-24802SBE	10	TPH as Motor Oil	0	
PANAMA AVE	24802	P-24802SFC	0.5	TPH as Motor Oil	1300	
PANAMA AVE	24802	P-24802SFC	2	TPH as Motor Oil	3200	
PANAMA AVE	24802	P-24802SFC	2.5	TPH as Motor Oil	1600	Y
PANAMA AVE	24802	P-24802SFC	5	TPH as Motor Oil	0	
PANAMA AVE	24802	P-24802SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24803	P-24803SFB	0.5	TPH as Motor Oil	1000	
PANAMA AVE	24803	P-24803SFB	2	TPH as Motor Oil	7800	
PANAMA AVE	24803	P-24803SFB	2.5	TPH as Motor Oil	1900	Y
PANAMA AVE	24803	P-24803SFB	5	TPH as Motor Oil	0	
PANAMA AVE	24803	P-24803SFB	10	TPH as Motor Oil	170	
PANAMA AVE	24809	P-24809SF	0.5	TPH as Motor Oil	8.1	
PANAMA AVE	24809	P-24809SF	2	TPH as Motor Oil	1400	
PANAMA AVE	24809	P-24809SF	5	TPH as Motor Oil	6400	Y
PANAMA AVE	24809	P-24809SF	10	TPH as Motor Oil	630	
PANAMA AVE	24809	P-24809SBA	0.5	TPH as Motor Oil	180	
PANAMA AVE	24809	P-24809SBA	2	TPH as Motor Oil	230	
PANAMA AVE	24809	P-24809SBA	3.5	TPH as Motor Oil	1400	Y
PANAMA AVE	24809	P-24809SBA	5	TPH as Motor Oil	200	
PANAMA AVE	24809	P-24809SBA	10	TPH as Motor Oil	2300	
PANAMA AVE	24809	P-24809SBB	0.5	TPH as Motor Oil	280	
PANAMA AVE	24809	P-24809SBB	2	TPH as Motor Oil	390	
PANAMA AVE	24809	P-24809SBB	3.5	TPH as Motor Oil	1200	
PANAMA AVE	24809	P-24809SBB	5	TPH as Motor Oil	7400	Y
PANAMA AVE	24809	P-24809SBB	10	TPH as Motor Oil	910	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24809	P-24809SFB	0.5	TPH as Motor Oil	570	
PANAMA AVE	24809	P-24809SFB	2	TPH as Motor Oil	2700	
PANAMA AVE	24809	P-24809SFB	3.5	TPH as Motor Oil	1700	
PANAMA AVE	24809	P-24809SFB	5	TPH as Motor Oil	9900	Y
PANAMA AVE	24809	P-24809SFB	10	TPH as Motor Oil	340	
PANAMA AVE	24809	P-24809SFD	0.5	TPH as Motor Oil	1600	
PANAMA AVE	24809	P-24809SFD	2	TPH as Motor Oil	880	
PANAMA AVE	24809	P-24809SFD	5	TPH as Motor Oil	14000	Y
PANAMA AVE	24809	P-24809SFD	10	TPH as Motor Oil	1300	
PANAMA AVE	24812	P-24812SB	0.5	TPH as Motor Oil	120	
PANAMA AVE	24812	P-24812SB	2	TPH as Motor Oil	2900	Y
PANAMA AVE	24812	P-24812SB	5	TPH as Motor Oil	0	
PANAMA AVE	24812	P-24812SB	10	TPH as Motor Oil	37	
PANAMA AVE	24812	P-24812SBA	0.5	TPH as Motor Oil	810	
PANAMA AVE	24812	P-24812SBA	2	TPH as Motor Oil	1100	Y
PANAMA AVE	24812	P-24812SBA	5	TPH as Motor Oil	0	
PANAMA AVE	24812	P-24812SBA	10	TPH as Motor Oil	0	
PANAMA AVE	24812	P-24812SBB	0.5	TPH as Motor Oil	160	
PANAMA AVE	24812	P-24812SBB	2	TPH as Motor Oil	4700	Y
PANAMA AVE	24812	P-24812SBB	5	TPH as Motor Oil	11	
PANAMA AVE	24812	P-24812SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24812	P-24812SFC	0.5	TPH as Motor Oil	21	
PANAMA AVE	24812	P-24812SFC	2	TPH as Motor Oil	1900	Y
PANAMA AVE	24812	P-24812SFC	3	TPH as Motor Oil	15	
PANAMA AVE	24812	P-24812SFC	5	TPH as Motor Oil	0	
PANAMA AVE	24812	P-24812SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24813	P-24813SFC	0.5	TPH as Motor Oil	420	
PANAMA AVE	24813	P-24813SFC	2	TPH as Motor Oil	1700	
PANAMA AVE	24813	P-24813SFC	4	TPH as Motor Oil	11000	Y
PANAMA AVE	24813	P-24813SFC	5	TPH as Motor Oil	820	
PANAMA AVE	24813	P-24813SFC	10	TPH as Motor Oil	13000	
PANAMA AVE	24818	P-24818SBA	0.5	TPH as Motor Oil	81	
PANAMA AVE	24818	P-24818SBA	2	TPH as Motor Oil	770	
PANAMA AVE	24818	P-24818SBA	2.5	TPH as Motor Oil	1000	
PANAMA AVE	24818	P-24818SBA	2.75	TPH as Motor Oil	51000	Y
PANAMA AVE	24818	P-24818SBA	5	TPH as Motor Oil	0	
PANAMA AVE	24818	P-24818SBB	0.5	TPH as Motor Oil	290	
PANAMA AVE	24818	P-24818SBB	2	TPH as Motor Oil	30000	Y
PANAMA AVE	24818	P-24818SBB	5	TPH as Motor Oil	64	
PANAMA AVE	24818	P-24818SBB	10	TPH as Motor Oil	59	
PANAMA AVE	24818	P-24818SBC	0.5	TPH as Motor Oil	2800	
PANAMA AVE	24818	P-24818SBC	2	TPH as Motor Oil	1800	Y
PANAMA AVE	24818	P-24818SBC	5	TPH as Motor Oil	0	
PANAMA AVE	24818	P-24818SBC	10	TPH as Motor Oil	0	
PANAMA AVE	24818	P-24818SFD	0.5	TPH as Motor Oil	67	
PANAMA AVE	24818	P-24818SFD	2	TPH as Motor Oil	2000	Y
PANAMA AVE	24818	P-24818SFD	5	TPH as Motor Oil	0	
PANAMA AVE	24818	P-24818SFD	10	TPH as Motor Oil	0	
PANAMA AVE	24818	P-24818SFE	0.5	TPH as Motor Oil	350	
PANAMA AVE	24818	P-24818SFE	2	TPH as Motor Oil	210	
PANAMA AVE	24818	P-24818SFE	2.5	TPH as Motor Oil	1500	Y
PANAMA AVE	24818	P-24818SFE	5	TPH as Motor Oil	0	
PANAMA AVE	24818	P-24818SFE	10	TPH as Motor Oil	0	
PANAMA AVE	24819	P-24819SBC	-0.5	TPH as Motor Oil	490	
PANAMA AVE	24819	P-24819SBC	0.5	TPH as Motor Oil	1000	Y
PANAMA AVE	24819	P-24819SBC	2	TPH as Motor Oil	10	
PANAMA AVE	24819	P-24819SBC	3.5	TPH as Motor Oil	480	
PANAMA AVE	24819	P-24819SBC	5	TPH as Motor Oil	0	
PANAMA AVE	24819	P-24819SBC	6.5	TPH as Motor Oil	760	
PANAMA AVE	24819	P-24819SBC	10	TPH as Motor Oil	4800	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24819	P-24819SFC	0.5	TPH as Motor Oil	460	
PANAMA AVE	24819	P-24819SFC	2	TPH as Motor Oil	320	
PANAMA AVE	24819	P-24819SFC	3.5	TPH as Motor Oil	3000	
PANAMA AVE	24819	P-24819SFC	5	TPH as Motor Oil	7600	Y
PANAMA AVE	24819	P-24819SFC	10	TPH as Motor Oil	150	
PANAMA AVE	24822	P-24822SBA	0.5	TPH as Motor Oil	260	
PANAMA AVE	24822	P-24822SBA	2	TPH as Motor Oil	1800	Y
PANAMA AVE	24822	P-24822SBA	5	TPH as Motor Oil	73	
PANAMA AVE	24822	P-24822SBA	10	TPH as Motor Oil	31	
PANAMA AVE	24822	P-24822SBB	0.5	TPH as Motor Oil	490	
PANAMA AVE	24822	P-24822SBB	2	TPH as Motor Oil	1400	
PANAMA AVE	24822	P-24822SBB	2.5	TPH as Motor Oil	11000	Y
PANAMA AVE	24822	P-24822SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24822	P-24822SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24822	P-24822SBD	0.5	TPH as Motor Oil	870	
PANAMA AVE	24822	P-24822SBD	2	TPH as Motor Oil	2200	Y
PANAMA AVE	24822	P-24822SBD	5	TPH as Motor Oil	0	
PANAMA AVE	24822	P-24822SBD	10	TPH as Motor Oil	0	
PANAMA AVE	24822	P-24822SBE	0.5	TPH as Motor Oil	7000	
PANAMA AVE	24822	P-24822SBE	2	TPH as Motor Oil	1900	
PANAMA AVE	24822	P-24822SBE	3.5	TPH as Motor Oil	83000	Y
PANAMA AVE	24822	P-24822SBE	5	TPH as Motor Oil	2500	Y
PANAMA AVE	24822	P-24822SBE	10	TPH as Motor Oil	16	
PANAMA AVE	24822	P-24822SFE	0.5	TPH as Motor Oil	430	
PANAMA AVE	24822	P-24822SFE	2	TPH as Motor Oil	340	
PANAMA AVE	24822	P-24822SFE	3.5	TPH as Motor Oil	9700	Y
PANAMA AVE	24822	P-24822SFE	5	TPH as Motor Oil	600	
PANAMA AVE	24822	P-24822SFE	10	TPH as Motor Oil	110	
PANAMA AVE	24823	P-24823SB	0.5	TPH as Motor Oil	230	
PANAMA AVE	24823	P-24823SB	2	TPH as Motor Oil	2900	Y
PANAMA AVE	24823	P-24823SB	5	TPH as Motor Oil	42	
PANAMA AVE	24823	P-24823SB	10	TPH as Motor Oil	1700	
PANAMA AVE	24823	P-24823SF	0.5	TPH as Motor Oil	69	
PANAMA AVE	24823	P-24823SF	2	TPH as Motor Oil	4600	Y
PANAMA AVE	24823	P-24823SF	5	TPH as Motor Oil	720	
PANAMA AVE	24823	P-24823SF	10	TPH as Motor Oil	2400	
PANAMA AVE	24823	P-24823SBA	0.5	TPH as Motor Oil	1200	Y
PANAMA AVE	24823	P-24823SBA	2	TPH as Motor Oil	97	
PANAMA AVE	24823	P-24823SBA	4	TPH as Motor Oil	1200	Y
PANAMA AVE	24823	P-24823SBA	5	TPH as Motor Oil	220	
PANAMA AVE	24823	P-24823SBA	10	TPH as Motor Oil	640	
PANAMA AVE	24823	P-24823SFBA	3.5	TPH as Motor Oil	11000	Y
PANAMA AVE	24823	P-24823SFBA	5	TPH as Motor Oil	1900	
PANAMA AVE	24823	P-24823SFBA	10	TPH as Motor Oil	28000	
PANAMA AVE	24823	P-24823SFC	0.5	TPH as Motor Oil	260	
PANAMA AVE	24823	P-24823SFC	2	TPH as Motor Oil	790	
PANAMA AVE	24823	P-24823SFC	3	TPH as Motor Oil	4500	Y
PANAMA AVE	24823	P-24823SFC	5	TPH as Motor Oil	200	
PANAMA AVE	24823	P-24823SFC	10	TPH as Motor Oil	5800	
PANAMA AVE	24828	P-24828SBB	0.5	TPH as Motor Oil	99	
PANAMA AVE	24828	P-24828SBB	2	TPH as Motor Oil	500	
PANAMA AVE	24828	P-24828SBB	3	TPH as Motor Oil	2400	Y
PANAMA AVE	24828	P-24828SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24828	P-24828SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24828	P-24828SBD	0.5	TPH as Motor Oil	25	
PANAMA AVE	24828	P-24828SBD	2	TPH as Motor Oil	570	
PANAMA AVE	24828	P-24828SBD	3.5	TPH as Motor Oil	37000	Y
PANAMA AVE	24828	P-24828SBD	5	TPH as Motor Oil	120	
PANAMA AVE	24828	P-24828SBD	10	TPH as Motor Oil	33	
PANAMA AVE	24828	P-24828SFA	0.5	TPH as Motor Oil	420	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24828	P-24828SFA	2	TPH as Motor Oil	1300	Y
PANAMA AVE	24828	P-24828SFA	5	TPH as Motor Oil	0	
PANAMA AVE	24828	P-24828SFA	10	TPH as Motor Oil	0	
PANAMA AVE	24828	P-24828SFC	0.5	TPH as Motor Oil	1000	
PANAMA AVE	24828	P-24828SFC	2	TPH as Motor Oil	1100	Y
PANAMA AVE	24828	P-24828SFC	5	TPH as Motor Oil	0	
PANAMA AVE	24828	P-24828SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24828	P-24828SFD	0.5	TPH as Motor Oil	1100	
PANAMA AVE	24828	P-24828SFD	2	TPH as Motor Oil	700	
PANAMA AVE	24828	P-24828SFD	4	TPH as Motor Oil	150000	Y
PANAMA AVE	24828	P-24828SFD	5	TPH as Motor Oil	640	
PANAMA AVE	24828	P-24828SFD	10	TPH as Motor Oil	0	
PANAMA AVE	24829	P-24829SBB	0.5	TPH as Motor Oil	580	
PANAMA AVE	24829	P-24829SBB	2	TPH as Motor Oil	1100	Y
PANAMA AVE	24829	P-24829SBB	4	TPH as Motor Oil	110	
PANAMA AVE	24829	P-24829SBD	0.5	TPH as Motor Oil	620	
PANAMA AVE	24829	P-24829SBD	2	TPH as Motor Oil	1000	Y
PANAMA AVE	24829	P-24829SBD	5	TPH as Motor Oil	50	
PANAMA AVE	24829	P-24829SBD	10	TPH as Motor Oil	1200	
PANAMA AVE	24829	P-24829SFC	0.5	TPH as Motor Oil	230	
PANAMA AVE	24829	P-24829SFC	2	TPH as Motor Oil	110	
PANAMA AVE	24829	P-24829SFC	5	TPH as Motor Oil	3300	Y
PANAMA AVE	24829	P-24829SFC	10	TPH as Motor Oil	100	
PANAMA AVE	24832	P-24832SBA	0.5	TPH as Motor Oil	440	
PANAMA AVE	24832	P-24832SBA	2	TPH as Motor Oil	2800	
PANAMA AVE	24832	P-24832SBA	2.5	TPH as Motor Oil	1200	Y
PANAMA AVE	24832	P-24832SBA	5	TPH as Motor Oil	11	
PANAMA AVE	24832	P-24832SBA	10	TPH as Motor Oil	0	
PANAMA AVE	24832	P-24832SBFB	2	TPH as Motor Oil	220	
PANAMA AVE	24832	P-24832SBFB	5	TPH as Motor Oil	4500	Y
PANAMA AVE	24832	P-24832SBFB	10	TPH as Motor Oil	58	
PANAMA AVE	24833	P-24833SBB	0.5	TPH as Motor Oil	11	
PANAMA AVE	24833	P-24833SBB	2	TPH as Motor Oil	3300	Y
PANAMA AVE	24833	P-24833SBB	5	TPH as Motor Oil	220	
PANAMA AVE	24833	P-24833SBB	6.5	TPH as Motor Oil	2700	
PANAMA AVE	24833	P-24833SBB	10	TPH as Motor Oil	1700	
PANAMA AVE	24833	P-24833SBC	0.5	TPH as Motor Oil	160	
PANAMA AVE	24833	P-24833SBC	2	TPH as Motor Oil	310	
PANAMA AVE	24833	P-24833SBC	4.5	TPH as Motor Oil	2700	Y
PANAMA AVE	24833	P-24833SBC	5	TPH as Motor Oil	120	
PANAMA AVE	24833	P-24833SBC	10	TPH as Motor Oil	2100	
PANAMA AVE	24833	P-24833SFC	0.5	TPH as Motor Oil	210	
PANAMA AVE	24833	P-24833SFC	2	TPH as Motor Oil	1700	
PANAMA AVE	24833	P-24833SFC	5	TPH as Motor Oil	1900	Y
PANAMA AVE	24833	P-24833SFC	6	TPH as Motor Oil	0	
PANAMA AVE	24833	P-24833SFC	10	TPH as Motor Oil	0	
PANAMA AVE	24833	P-24833SFD	0.5	TPH as Motor Oil	140	
PANAMA AVE	24833	P-24833SFD	2	TPH as Motor Oil	1600	
PANAMA AVE	24833	P-24833SFD	4	TPH as Motor Oil	2700	
PANAMA AVE	24833	P-24833SFD	5	TPH as Motor Oil	2000	Y
PANAMA AVE	24833	P-24833SFD	10	TPH as Motor Oil	30	
PANAMA AVE	24838	P-24838SBB	0.5	TPH as Motor Oil	1300	
PANAMA AVE	24838	P-24838SBB	2	TPH as Motor Oil	1300	Y
PANAMA AVE	24838	P-24838SBB	5	TPH as Motor Oil	0	
PANAMA AVE	24838	P-24838SBB	10	TPH as Motor Oil	0	
PANAMA AVE	24838	P-24838SBC	0.5	TPH as Motor Oil	160	
PANAMA AVE	24838	P-24838SBC	2	TPH as Motor Oil	0	
PANAMA AVE	24838	P-24838SBC	5	TPH as Motor Oil	4300	Y
PANAMA AVE	24838	P-24838SBC	10	TPH as Motor Oil	0	
PANAMA AVE	24838	P-24838SBD	0.5	TPH as Motor Oil	65	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

PANAMA AVE	24838	P-24838SBD	2	TPH as Motor Oil	110	
PANAMA AVE	24838	P-24838SBD	5	TPH as Motor Oil	5800	Y
PANAMA AVE	24838	P-24838SBD	10	TPH as Motor Oil	890	
PANAMA AVE	24838	P-24838SFB	0.5	TPH as Motor Oil	450	
PANAMA AVE	24838	P-24838SFB	2	TPH as Motor Oil	610	
PANAMA AVE	24838	P-24838SFB	5	TPH as Motor Oil	1400	Y
PANAMA AVE	24838	P-24838SFB	10	TPH as Motor Oil	69	
RAVENNA AVE	24402	R-24402SB	0.5	TPH as Motor Oil	8100	
RAVENNA AVE	24402	R-24402SB	2	TPH as Motor Oil	3200	Y
RAVENNA AVE	24402	R-24402SB	5	TPH as Motor Oil	82	
RAVENNA AVE	24402	R-24402SB	10	TPH as Motor Oil	28	
RAVENNA AVE	24402	R-24402SB	15	TPH as Motor Oil	1900	
RAVENNA AVE	24402	R-24402SF	0.5	TPH as Motor Oil	1100	
RAVENNA AVE	24402	R-24402SF	1	TPH as Motor Oil	3500	Y
RAVENNA AVE	24402	R-24402SF	2	TPH as Motor Oil	550	
RAVENNA AVE	24402	R-24402SF	5	TPH as Motor Oil	590	
RAVENNA AVE	24402	R-24402SF	10	TPH as Motor Oil	2100	
RAVENNA AVE	24402	R-24402SF	15	TPH as Motor Oil	4100	
RAVENNA AVE	24402	R-24402SBA	0.5	TPH as Motor Oil	110	
RAVENNA AVE	24402	R-24402SBA	2	TPH as Motor Oil	1300	Y
RAVENNA AVE	24402	R-24402SBA	3.5	TPH as Motor Oil	240	
RAVENNA AVE	24402	R-24402SBA	5	TPH as Motor Oil	11000	
RAVENNA AVE	24402	R-24402SBA	10	TPH as Motor Oil	30000	
RAVENNA AVE	24402	R-24402SBB	0.5	TPH as Motor Oil	230	
RAVENNA AVE	24402	R-24402SBB	2	TPH as Motor Oil	3200	Y
RAVENNA AVE	24402	R-24402SBB	5	TPH as Motor Oil	0	
RAVENNA AVE	24402	R-24402SBB	10	TPH as Motor Oil	0	
RAVENNA AVE	24402	R-24402SFB	0.5	TPH as Motor Oil	120	
RAVENNA AVE	24402	R-24402SFB	2	TPH as Motor Oil	1900	Y
RAVENNA AVE	24402	R-24402SFB	5	TPH as Motor Oil	0	
RAVENNA AVE	24402	R-24402SFB	9	TPH as Motor Oil	320	
RAVENNA AVE	24402	R-24402SFE	0.5	TPH as Motor Oil	1700	
RAVENNA AVE	24402	R-24402SFE	2	TPH as Motor Oil	3000	Y
RAVENNA AVE	24402	R-24402SFE	5	TPH as Motor Oil	570	
RAVENNA AVE	24402	R-24402SFE	10	TPH as Motor Oil	5300	
RAVENNA AVE	24403	R-24403SBC	0.5	TPH as Motor Oil	220	
RAVENNA AVE	24403	R-24403SBC	2	TPH as Motor Oil	270	
RAVENNA AVE	24403	R-24403SBC	5	TPH as Motor Oil	1100	Y
RAVENNA AVE	24403	R-24403SBC	6	TPH as Motor Oil	210	
RAVENNA AVE	24403	R-24403SBC	8.5	TPH as Motor Oil	85	
RAVENNA AVE	24406	R-24406SBB	0.5	TPH as Motor Oil	350	
RAVENNA AVE	24406	R-24406SBB	2	TPH as Motor Oil	1500	Y
RAVENNA AVE	24406	R-24406SBB	5	TPH as Motor Oil	140	
RAVENNA AVE	24406	R-24406SFCA	5	TPH as Motor Oil	170	
RAVENNA AVE	24406	R-24406SFCA	6.5	TPH as Motor Oil	3400	Y
RAVENNA AVE	24406	R-24406SFCA	9.5	TPH as Motor Oil	330	
RAVENNA AVE	24409	R-24409SFB	0.5	TPH as Motor Oil	2100	Y
RAVENNA AVE	24409	R-24409SFB	2	TPH as Motor Oil	200	
RAVENNA AVE	24409	R-24409SFB	5	TPH as Motor Oil	380	
RAVENNA AVE	24409	R-24409SFB	7	TPH as Motor Oil	47	
RAVENNA AVE	24409	R-24409SFB	9.25	TPH as Motor Oil	5100	
RAVENNA AVE	24412	R-24412SBA	0.5	TPH as Motor Oil	640	
RAVENNA AVE	24412	R-24412SBA	2	TPH as Motor Oil	3800	
RAVENNA AVE	24412	R-24412SBA	3	TPH as Motor Oil	2400	Y
RAVENNA AVE	24412	R-24412SBA	5	TPH as Motor Oil	0	
RAVENNA AVE	24412	R-24412SBA	10	TPH as Motor Oil	960	
RAVENNA AVE	24412	R-24412SBC	0.5	TPH as Motor Oil	4700	Y
RAVENNA AVE	24412	R-24412SBC	2	TPH as Motor Oil	730	
RAVENNA AVE	24412	R-24412SBC	5	TPH as Motor Oil	34	
RAVENNA AVE	24412	R-24412SBC	10	TPH as Motor Oil	120	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24412	R-24412SBD	0.5	TPH as Motor Oil	0	
RAVENNA AVE	24412	R-24412SBD	2	TPH as Motor Oil	170	
RAVENNA AVE	24412	R-24412SBD	2.5	TPH as Motor Oil	4200	Y
RAVENNA AVE	24412	R-24412SBD	5	TPH as Motor Oil	260	
RAVENNA AVE	24412	R-24412SBD	10	TPH as Motor Oil	9500	
RAVENNA AVE	24412	R-24412SBF	0.5	TPH as Motor Oil	0	
RAVENNA AVE	24412	R-24412SBF	2	TPH as Motor Oil	650	
RAVENNA AVE	24412	R-24412SBF	3	TPH as Motor Oil	1700	Y
RAVENNA AVE	24412	R-24412SBF	5	TPH as Motor Oil	0	
RAVENNA AVE	24412	R-24412SBF	10	TPH as Motor Oil	300	
RAVENNA AVE	24412	R-24412SFA	0.5	TPH as Motor Oil	400	
RAVENNA AVE	24412	R-24412SFA	2	TPH as Motor Oil	1300	
RAVENNA AVE	24412	R-24412SFA	3.5	TPH as Motor Oil	4200	Y
RAVENNA AVE	24412	R-24412SFA	5	TPH as Motor Oil	210	
RAVENNA AVE	24412	R-24412SFA	10	TPH as Motor Oil	4600	
RAVENNA AVE	24412	R-24412SFC	0.5	TPH as Motor Oil	870	
RAVENNA AVE	24412	R-24412SFC	2	TPH as Motor Oil	520	
RAVENNA AVE	24412	R-24412SFC	3	TPH as Motor Oil	3200	Y
RAVENNA AVE	24412	R-24412SFC	5	TPH as Motor Oil	570	
RAVENNA AVE	24412	R-24412SFC	9.5	TPH as Motor Oil	0	
RAVENNA AVE	24412	R-24412SFE	0.5	TPH as Motor Oil	1900	Y
RAVENNA AVE	24412	R-24412SFE	2	TPH as Motor Oil	280	
RAVENNA AVE	24412	R-24412SFE	3	TPH as Motor Oil	870	
RAVENNA AVE	24412	R-24412SFE	5	TPH as Motor Oil	240	
RAVENNA AVE	24412	R-24412SFE	9.5	TPH as Motor Oil	980	
RAVENNA AVE	24412	R-24412SFF	0.5	TPH as Motor Oil	17	
RAVENNA AVE	24412	R-24412SFF	2	TPH as Motor Oil	6500	
RAVENNA AVE	24412	R-24412SFF	3	TPH as Motor Oil	3100	Y
RAVENNA AVE	24412	R-24412SFF	5	TPH as Motor Oil	170	
RAVENNA AVE	24412	R-24412SFF	9.5	TPH as Motor Oil	42	
RAVENNA AVE	24412	R-24412SFF	10	TPH as Motor Oil	6300	
RAVENNA AVE	24413	R-24413SBA	0.5	TPH as Motor Oil	780	
RAVENNA AVE	24413	R-24413SBA	2	TPH as Motor Oil	930	
RAVENNA AVE	24413	R-24413SBA	3.5	TPH as Motor Oil	1400	Y
RAVENNA AVE	24413	R-24413SBA	5	TPH as Motor Oil	49	
RAVENNA AVE	24416	R-24416SB	0.5	TPH as Motor Oil	320	
RAVENNA AVE	24416	R-24416SB	5	TPH as Motor Oil	1900	Y
RAVENNA AVE	24416	R-24416SB	10	TPH as Motor Oil	140	
RAVENNA AVE	24416	R-24416SBA	0.5	TPH as Motor Oil	300	
RAVENNA AVE	24416	R-24416SBA	2	TPH as Motor Oil	4700	
RAVENNA AVE	24416	R-24416SBA	5	TPH as Motor Oil	2200	Y
RAVENNA AVE	24416	R-24416SBA	10	TPH as Motor Oil	250	
RAVENNA AVE	24416	R-24416SBB	0.5	TPH as Motor Oil	760	
RAVENNA AVE	24416	R-24416SBB	2	TPH as Motor Oil	17000	Y
RAVENNA AVE	24416	R-24416SBB	5	TPH as Motor Oil	230	
RAVENNA AVE	24416	R-24416SBB	10	TPH as Motor Oil	1500	
RAVENNA AVE	24416	R-24416SBC	0.5	TPH as Motor Oil	3500	
RAVENNA AVE	24416	R-24416SBC	1.5	TPH as Motor Oil	29000	
RAVENNA AVE	24416	R-24416SBC	2	TPH as Motor Oil	13000	Y
RAVENNA AVE	24416	R-24416SBC	5	TPH as Motor Oil	56	
RAVENNA AVE	24416	R-24416SBC	10	TPH as Motor Oil	4700	
RAVENNA AVE	24416	R-24416SBD	0.5	TPH as Motor Oil	3900	
RAVENNA AVE	24416	R-24416SBD	2	TPH as Motor Oil	3100	
RAVENNA AVE	24416	R-24416SBD	3	TPH as Motor Oil	11000	Y
RAVENNA AVE	24416	R-24416SBD	5	TPH as Motor Oil	97	
RAVENNA AVE	24416	R-24416SBD	10	TPH as Motor Oil	3100	
RAVENNA AVE	24422	R-24422SBC	0.5	TPH as Motor Oil	5100	
RAVENNA AVE	24422	R-24422SBC	2	TPH as Motor Oil	16000	Y
RAVENNA AVE	24422	R-24422SBC	5	TPH as Motor Oil	380	
RAVENNA AVE	24422	R-24422SBC	10	TPH as Motor Oil	1100	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24423	R-24423SBC	0.5	TPH as Motor Oil	140	
RAVENNA AVE	24423	R-24423SBC	2	TPH as Motor Oil	190	
RAVENNA AVE	24423	R-24423SBC	5	TPH as Motor Oil	580	
RAVENNA AVE	24423	R-24423SBC	7.5	TPH as Motor Oil	7300	Y
RAVENNA AVE	24423	R-24423SBC	10	TPH as Motor Oil	990	
RAVENNA AVE	24423	R-24423SFC	0.5	TPH as Motor Oil	88	
RAVENNA AVE	24423	R-24423SFC	2	TPH as Motor Oil	120	
RAVENNA AVE	24423	R-24423SFC	4	TPH as Motor Oil	280	
RAVENNA AVE	24423	R-24423SFC	5	TPH as Motor Oil	4000	Y
RAVENNA AVE	24423	R-24423SFC	8	TPH as Motor Oil	380	
RAVENNA AVE	24423	R-24423SFD	0.5	TPH as Motor Oil	1600	Y
RAVENNA AVE	24423	R-24423SFD	2	TPH as Motor Oil	270	
RAVENNA AVE	24423	R-24423SFD	5	TPH as Motor Oil	280	
RAVENNA AVE	24423	R-24423SFD	8	TPH as Motor Oil	660	
RAVENNA AVE	24423	R-24423SFD	10	TPH as Motor Oil	1800	
RAVENNA AVE	24426	R-24426SBA	0.5	TPH as Motor Oil	2000	Y
RAVENNA AVE	24426	R-24426SBA	2	TPH as Motor Oil	320	
RAVENNA AVE	24426	R-24426SBA	3	TPH as Motor Oil	240	
RAVENNA AVE	24426	R-24426SBA	5	TPH as Motor Oil	14000	Y
RAVENNA AVE	24426	R-24426SBA	10	TPH as Motor Oil	530	
RAVENNA AVE	24426	R-24426SBB	0.5	TPH as Motor Oil	930	
RAVENNA AVE	24426	R-24426SBB	2	TPH as Motor Oil	650	
RAVENNA AVE	24426	R-24426SBB	3	TPH as Motor Oil	1900	
RAVENNA AVE	24426	R-24426SBB	5	TPH as Motor Oil	5600	Y
RAVENNA AVE	24426	R-24426SBB	10	TPH as Motor Oil	0	
RAVENNA AVE	24426	R-24426SFB	0.5	TPH as Motor Oil	760	
RAVENNA AVE	24426	R-24426SFB	2	TPH as Motor Oil	490	
RAVENNA AVE	24426	R-24426SFB	5	TPH as Motor Oil	3700	Y
RAVENNA AVE	24426	R-24426SFB	10	TPH as Motor Oil	250	
RAVENNA AVE	24426	R-24426SFE	0.5	TPH as Motor Oil	400	
RAVENNA AVE	24426	R-24426SFE	2	TPH as Motor Oil	580	
RAVENNA AVE	24426	R-24426SFE	3.5	TPH as Motor Oil	2300	Y
RAVENNA AVE	24426	R-24426SFE	5	TPH as Motor Oil	26	
RAVENNA AVE	24426	R-24426SFEB	0.5	TPH as Motor Oil	230	
RAVENNA AVE	24426	R-24426SFEB	2	TPH as Motor Oil	610	
RAVENNA AVE	24426	R-24426SFEB	3.5	TPH as Motor Oil	9600	Y
RAVENNA AVE	24426	R-24426SFEB	5	TPH as Motor Oil	460	
RAVENNA AVE	24426	R-24426SFEB	7.5	TPH as Motor Oil	130	
RAVENNA AVE	24426	R-24426SFEB	10	TPH as Motor Oil	180	
RAVENNA AVE	24426	R-24426SFF	0.5	TPH as Motor Oil	980	
RAVENNA AVE	24426	R-24426SFF	2	TPH as Motor Oil	1100	Y
RAVENNA AVE	24426	R-24426SFF	4	TPH as Motor Oil	200	
RAVENNA AVE	24426	R-24426SFF	5	TPH as Motor Oil	210	
RAVENNA AVE	24426	R-24426SFF	9	TPH as Motor Oil	600	
RAVENNA AVE	24429	R-24429SBA	0.5	TPH as Motor Oil	1500	
RAVENNA AVE	24429	R-24429SBA	2	TPH as Motor Oil	2900	Y
RAVENNA AVE	24429	R-24429SBA	5	TPH as Motor Oil	460	
RAVENNA AVE	24429	R-24429SBA	10	TPH as Motor Oil	11	
RAVENNA AVE	24429	R-24429SBC	0.5	TPH as Motor Oil	310	
RAVENNA AVE	24429	R-24429SBC	2	TPH as Motor Oil	2200	Y
RAVENNA AVE	24429	R-24429SBC	5	TPH as Motor Oil	23	
RAVENNA AVE	24429	R-24429SFA	0.5	TPH as Motor Oil	180	
RAVENNA AVE	24429	R-24429SFA	2	TPH as Motor Oil	1100	Y
RAVENNA AVE	24429	R-24429SFA	5	TPH as Motor Oil	0	
RAVENNA AVE	24429	R-24429SFC	0.5	TPH as Motor Oil	630	
RAVENNA AVE	24429	R-24429SFC	2	TPH as Motor Oil	0	
RAVENNA AVE	24429	R-24429SFC	5	TPH as Motor Oil	1200	Y
RAVENNA AVE	24429	R-24429SFC	10	TPH as Motor Oil	0	
RAVENNA AVE	24502	R-24502SB	0.5	TPH as Motor Oil	1200	
RAVENNA AVE	24502	R-24502SB	2	TPH as Motor Oil	370	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24502	R-24502SB	3	TPH as Motor Oil	1100	
RAVENNA AVE	24502	R-24502SB	5	TPH as Motor Oil	16000	Y
RAVENNA AVE	24502	R-24502SB	10	TPH as Motor Oil	190	
RAVENNA AVE	24502	R-24502SF	0.5	TPH as Motor Oil	940	
RAVENNA AVE	24502	R-24502SF	2	TPH as Motor Oil	1400	Y
RAVENNA AVE	24502	R-24502SF	4	TPH as Motor Oil	36	
RAVENNA AVE	24502	R-24502SF	5	TPH as Motor Oil	420	
RAVENNA AVE	24502	R-24502SF	10	TPH as Motor Oil	640	
RAVENNA AVE	24502	R-24502SBA	0.5	TPH as Motor Oil	1800	Y
RAVENNA AVE	24502	R-24502SBA	2	TPH as Motor Oil	140	
RAVENNA AVE	24502	R-24502SBA	3.5	TPH as Motor Oil	2000	
RAVENNA AVE	24502	R-24502SBA	5	TPH as Motor Oil	15000	Y
RAVENNA AVE	24502	R-24502SBA	10	TPH as Motor Oil	220	
RAVENNA AVE	24502	R-24502SBB	0.5	TPH as Motor Oil	560	
RAVENNA AVE	24502	R-24502SBB	2	TPH as Motor Oil	320	
RAVENNA AVE	24502	R-24502SBB	3	TPH as Motor Oil	5700	
RAVENNA AVE	24502	R-24502SBB	5	TPH as Motor Oil	6300	Y
RAVENNA AVE	24502	R-24502SBB	10	TPH as Motor Oil	740	
RAVENNA AVE	24502	R-24502SFB	0.5	TPH as Motor Oil	100	
RAVENNA AVE	24502	R-24502SFB	2	TPH as Motor Oil	180	
RAVENNA AVE	24502	R-24502SFB	3	TPH as Motor Oil	1100	Y
RAVENNA AVE	24502	R-24502SFB	5	TPH as Motor Oil	0	
RAVENNA AVE	24502	R-24502SFB	10	TPH as Motor Oil	2200	
RAVENNA AVE	24502	R-24502SFD	0.5	TPH as Motor Oil	760	
RAVENNA AVE	24502	R-24502SFD	2	TPH as Motor Oil	2500	
RAVENNA AVE	24502	R-24502SFD	3	TPH as Motor Oil	3400	Y
RAVENNA AVE	24502	R-24502SFD	5	TPH as Motor Oil	99	
RAVENNA AVE	24502	R-24502SFD	10	TPH as Motor Oil	340	
RAVENNA AVE	24508	R-24508SBB	0.5	TPH as Motor Oil	210	
RAVENNA AVE	24508	R-24508SBB	2	TPH as Motor Oil	53	
RAVENNA AVE	24508	R-24508SBB	3.5	TPH as Motor Oil	1200	Y
RAVENNA AVE	24508	R-24508SBB	5	TPH as Motor Oil	38	
RAVENNA AVE	24508	R-24508SBB	10	TPH as Motor Oil	1100	
RAVENNA AVE	24509	R-24509SFD	0.5	TPH as Motor Oil	300	
RAVENNA AVE	24509	R-24509SFD	2	TPH as Motor Oil	660	
RAVENNA AVE	24509	R-24509SFD	5	TPH as Motor Oil	180	
RAVENNA AVE	24509	R-24509SFD	6.5	TPH as Motor Oil	13000	Y
RAVENNA AVE	24509	R-24509SFD	10	TPH as Motor Oil	340	
RAVENNA AVE	24512	R-24512SBD	0.5	TPH as Motor Oil	58	
RAVENNA AVE	24512	R-24512SBD	2	TPH as Motor Oil	32	
RAVENNA AVE	24512	R-24512SBD	4	TPH as Motor Oil	400	
RAVENNA AVE	24512	R-24512SBD	5	TPH as Motor Oil	170	
RAVENNA AVE	24512	R-24512SBD	8.5	TPH as Motor Oil	6700	Y
RAVENNA AVE	24512	R-24512SBD	10	TPH as Motor Oil	1000	
RAVENNA AVE	24512	R-24512SFB	0.5	TPH as Motor Oil	150	
RAVENNA AVE	24512	R-24512SFB	2	TPH as Motor Oil	13	
RAVENNA AVE	24512	R-24512SFB	4.5	TPH as Motor Oil	15000	
RAVENNA AVE	24512	R-24512SFB	5	TPH as Motor Oil	13000	Y
RAVENNA AVE	24512	R-24512SFB	7	TPH as Motor Oil	1400	
RAVENNA AVE	24512	R-24512SFB	10	TPH as Motor Oil	1300	
RAVENNA AVE	24512	R-24512SFC	0.5	TPH as Motor Oil	110	
RAVENNA AVE	24512	R-24512SFC	2	TPH as Motor Oil	620	
RAVENNA AVE	24512	R-24512SFC	5	TPH as Motor Oil	7800	Y
RAVENNA AVE	24512	R-24512SFC	10	TPH as Motor Oil	560	
RAVENNA AVE	24513	R-24513SBA	0.5	TPH as Motor Oil	160	
RAVENNA AVE	24513	R-24513SBA	2	TPH as Motor Oil	0	
RAVENNA AVE	24513	R-24513SBA	5	TPH as Motor Oil	150	
RAVENNA AVE	24513	R-24513SBA	6.5	TPH as Motor Oil	16000	Y
RAVENNA AVE	24513	R-24513SBA	10	TPH as Motor Oil	2700	
RAVENNA AVE	24513	R-24513SFA	0.5	TPH as Motor Oil	400	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24513	R-24513SFA	2	TPH as Motor Oil	630	
RAVENNA AVE	24513	R-24513SFA	5	TPH as Motor Oil	89	
RAVENNA AVE	24513	R-24513SFA	7.5	TPH as Motor Oil	7500	Y
RAVENNA AVE	24513	R-24513SFA	10	TPH as Motor Oil	900	
RAVENNA AVE	24513	R-24513SFB	0.5	TPH as Motor Oil	230	
RAVENNA AVE	24513	R-24513SFB	2	TPH as Motor Oil	58	
RAVENNA AVE	24513	R-24513SFB	5	TPH as Motor Oil	190	
RAVENNA AVE	24513	R-24513SFB	6.5	TPH as Motor Oil	24000	Y
RAVENNA AVE	24513	R-24513SFB	10	TPH as Motor Oil	2500	
RAVENNA AVE	24518	R-24518SF	0.5	TPH as Motor Oil	100	
RAVENNA AVE	24518	R-24518SF	2	TPH as Motor Oil	110	
RAVENNA AVE	24518	R-24518SF	4	TPH as Motor Oil	5100	Y
RAVENNA AVE	24518	R-24518SF	5	TPH as Motor Oil	140	
RAVENNA AVE	24518	R-24518SF	7	TPH as Motor Oil	3300	
RAVENNA AVE	24518	R-24518SF	10	TPH as Motor Oil	690	
RAVENNA AVE	24518	R-24518SBA	0.5	TPH as Motor Oil	66	
RAVENNA AVE	24518	R-24518SBA	2	TPH as Motor Oil	610	
RAVENNA AVE	24518	R-24518SBA	4.5	TPH as Motor Oil	5200	
RAVENNA AVE	24518	R-24518SBA	5	TPH as Motor Oil	6000	Y
RAVENNA AVE	24518	R-24518SBA	10	TPH as Motor Oil	440	
RAVENNA AVE	24518	R-24518SBB	0.5	TPH as Motor Oil	390	
RAVENNA AVE	24518	R-24518SBB	2	TPH as Motor Oil	140	
RAVENNA AVE	24518	R-24518SBB	4.5	TPH as Motor Oil	9600	Y
RAVENNA AVE	24518	R-24518SBB	5	TPH as Motor Oil	720	
RAVENNA AVE	24518	R-24518SBB	10	TPH as Motor Oil	910	
RAVENNA AVE	24518	R-24518SFA	0.5	TPH as Motor Oil	520	
RAVENNA AVE	24518	R-24518SFA	2	TPH as Motor Oil	240	
RAVENNA AVE	24518	R-24518SFA	3.5	TPH as Motor Oil	1900	Y
RAVENNA AVE	24518	R-24518SFA	5	TPH as Motor Oil	350	
RAVENNA AVE	24518	R-24518SFA	10	TPH as Motor Oil	6400	
RAVENNA AVE	24518	R-24518SFB	0.5	TPH as Motor Oil	240	
RAVENNA AVE	24518	R-24518SFB	2	TPH as Motor Oil	330	
RAVENNA AVE	24518	R-24518SFB	3.5	TPH as Motor Oil	9900	Y
RAVENNA AVE	24518	R-24518SFB	5	TPH as Motor Oil	1600	Y
RAVENNA AVE	24518	R-24518SFB	10	TPH as Motor Oil	250	
RAVENNA AVE	24522	R-24522SFA	0.5	TPH as Motor Oil	35	
RAVENNA AVE	24522	R-24522SFA	2	TPH as Motor Oil	340	
RAVENNA AVE	24522	R-24522SFA	4	TPH as Motor Oil	140	
RAVENNA AVE	24522	R-24522SFA	5	TPH as Motor Oil	4800	Y
RAVENNA AVE	24522	R-24522SFA	7	TPH as Motor Oil	67	
RAVENNA AVE	24522	R-24522SFA	10	TPH as Motor Oil	3900	
RAVENNA AVE	24522	R-24522SFB	0.5	TPH as Motor Oil	680	
RAVENNA AVE	24522	R-24522SFB	2	TPH as Motor Oil	350	
RAVENNA AVE	24522	R-24522SFB	5	TPH as Motor Oil	3100	Y
RAVENNA AVE	24522	R-24522SFB	10	TPH as Motor Oil	520	
RAVENNA AVE	24522	R-24522SFD	0.5	TPH as Motor Oil	27	
RAVENNA AVE	24522	R-24522SFD	2	TPH as Motor Oil	34	
RAVENNA AVE	24522	R-24522SFD	5	TPH as Motor Oil	5900	Y
RAVENNA AVE	24522	R-24522SFD	10	TPH as Motor Oil	1100	
RAVENNA AVE	24529	R-24529SFB	0.5	TPH as Motor Oil	320	
RAVENNA AVE	24529	R-24529SFB	2	TPH as Motor Oil	2300	Y
RAVENNA AVE	24529	R-24529SFB	5	TPH as Motor Oil	16	
RAVENNA AVE	24529	R-24529SFB	10	TPH as Motor Oil	6300	
RAVENNA AVE	24533	R-24533SBC	0.5	TPH as Motor Oil	9800	
RAVENNA AVE	24533	R-24533SBC	2	TPH as Motor Oil	4800	Y
RAVENNA AVE	24533	R-24533SBC	5	TPH as Motor Oil	560	
RAVENNA AVE	24533	R-24533SBC	10	TPH as Motor Oil	8.1	
RAVENNA AVE	24608	R-24608SB	0.5	TPH as Motor Oil	70	
RAVENNA AVE	24608	R-24608SB	2	TPH as Motor Oil	38	
RAVENNA AVE	24608	R-24608SB	4	TPH as Motor Oil	320	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24608	R-24608SB	5	TPH as Motor Oil	7600	Y
RAVENNA AVE	24608	R-24608SB	10	TPH as Motor Oil	110	
RAVENNA AVE	24608	R-24608SF	0.5	TPH as Motor Oil	1400	Y
RAVENNA AVE	24608	R-24608SF	2	TPH as Motor Oil	140	
RAVENNA AVE	24608	R-24608SF	5	TPH as Motor Oil	99	
RAVENNA AVE	24608	R-24608SF	10	TPH as Motor Oil	0	
RAVENNA AVE	24608	R-24608SBB	0.5	TPH as Motor Oil	120	
RAVENNA AVE	24608	R-24608SBB	2	TPH as Motor Oil	7000	
RAVENNA AVE	24608	R-24608SBB	4.5	TPH as Motor Oil	12000	Y
RAVENNA AVE	24608	R-24608SBB	5	TPH as Motor Oil	500	
RAVENNA AVE	24608	R-24608SBB	10	TPH as Motor Oil	87	
RAVENNA AVE	24609	R-24609SFD	0.5	TPH as Motor Oil	2000	Y
RAVENNA AVE	24609	R-24609SFD	2	TPH as Motor Oil	320	
RAVENNA AVE	24609	R-24609SFD	5	TPH as Motor Oil	0	
RAVENNA AVE	24609	R-24609SFD	10	TPH as Motor Oil	0	
RAVENNA AVE	24612	R-24612SBAA	3	TPH as Motor Oil	3000	Y
RAVENNA AVE	24612	R-24612SBAA	5	TPH as Motor Oil	580	
RAVENNA AVE	24612	R-24612SBAA	10	TPH as Motor Oil	51	
RAVENNA AVE	24612	R-24612SBB	0.5	TPH as Motor Oil	0	
RAVENNA AVE	24612	R-24612SBB	2	TPH as Motor Oil	300	
RAVENNA AVE	24612	R-24612SBB	5	TPH as Motor Oil	3700	
RAVENNA AVE	24612	R-24612SBB	6.5	TPH as Motor Oil	1900	Y
RAVENNA AVE	24612	R-24612SBB	10	TPH as Motor Oil	170	
RAVENNA AVE	24612	R-24612SBC	0.5	TPH as Motor Oil	33	
RAVENNA AVE	24612	R-24612SBC	2	TPH as Motor Oil	410	
RAVENNA AVE	24612	R-24612SBC	3.5	TPH as Motor Oil	1700	
RAVENNA AVE	24612	R-24612SBC	5	TPH as Motor Oil	2300	Y
RAVENNA AVE	24612	R-24612SBC	10	TPH as Motor Oil	69	
RAVENNA AVE	24612	R-24612SBDA	3	TPH as Motor Oil	47000	Y
RAVENNA AVE	24612	R-24612SBDA	5	TPH as Motor Oil	1600	Y
RAVENNA AVE	24612	R-24612SBDA	10	TPH as Motor Oil	130	
RAVENNA AVE	24612	R-24612SBEA	5	TPH as Motor Oil	3100	Y
RAVENNA AVE	24612	R-24612SBEA	10	TPH as Motor Oil	23	
RAVENNA AVE	24612	R-24612SBF	0.5	TPH as Motor Oil	270	
RAVENNA AVE	24612	R-24612SBF	2	TPH as Motor Oil	1700	
RAVENNA AVE	24612	R-24612SBF	3.5	TPH as Motor Oil	2100	
RAVENNA AVE	24612	R-24612SBF	5	TPH as Motor Oil	3200	Y
RAVENNA AVE	24612	R-24612SBF	10	TPH as Motor Oil	180	
RAVENNA AVE	24612	R-24612SFD	0.5	TPH as Motor Oil	670	
RAVENNA AVE	24612	R-24612SFD	2	TPH as Motor Oil	2600	
RAVENNA AVE	24612	R-24612SFD	5	TPH as Motor Oil	2800	Y
RAVENNA AVE	24612	R-24612SFD	10	TPH as Motor Oil	130	
RAVENNA AVE	24613	R-24613SB	0.5	TPH as Motor Oil	800	
RAVENNA AVE	24613	R-24613SB	2	TPH as Motor Oil	2900	Y
RAVENNA AVE	24613	R-24613SB	5	TPH as Motor Oil	250	
RAVENNA AVE	24613	R-24613SB	10	TPH as Motor Oil	210	
RAVENNA AVE	24613	R-24613SBA	0.5	TPH as Motor Oil	140	
RAVENNA AVE	24613	R-24613SBA	2	TPH as Motor Oil	960	
RAVENNA AVE	24613	R-24613SBA	4	TPH as Motor Oil	10000	
RAVENNA AVE	24613	R-24613SBA	5	TPH as Motor Oil	6800	Y
RAVENNA AVE	24613	R-24613SBA	10	TPH as Motor Oil	180	
RAVENNA AVE	24618	R-24618SFG	0.5	TPH as Motor Oil	82	
RAVENNA AVE	24618	R-24618SFG	2	TPH as Motor Oil	1000	
RAVENNA AVE	24618	R-24618SFG	5	TPH as Motor Oil	7200	Y
RAVENNA AVE	24618	R-24618SFG	10	TPH as Motor Oil	17	
RAVENNA AVE	24700	R-24700SBA	0.5	TPH as Motor Oil	17	
RAVENNA AVE	24700	R-24700SBA	2	TPH as Motor Oil	3000	
RAVENNA AVE	24700	R-24700SBA	2.5	TPH as Motor Oil	4600	Y
RAVENNA AVE	24700	R-24700SBA	5	TPH as Motor Oil	280	
RAVENNA AVE	24700	R-24700SBA	10	TPH as Motor Oil	16	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24700	R-24700SBB	0.5	TPH as Motor Oil	49	
RAVENNA AVE	24700	R-24700SBB	2	TPH as Motor Oil	120	
RAVENNA AVE	24700	R-24700SBB	2.5	TPH as Motor Oil	4200	
RAVENNA AVE	24700	R-24700SBB	5	TPH as Motor Oil	2000	Y
RAVENNA AVE	24700	R-24700SBB	10	TPH as Motor Oil	59	
RAVENNA AVE	24700	R-24700SFA	0.5	TPH as Motor Oil	9500	Y
RAVENNA AVE	24700	R-24700SFA	2	TPH as Motor Oil	0	
RAVENNA AVE	24700	R-24700SFA	5	TPH as Motor Oil	0	
RAVENNA AVE	24700	R-24700SFA	10	TPH as Motor Oil	0	
RAVENNA AVE	24700	R-24700SFI	0.5	TPH as Motor Oil	460	
RAVENNA AVE	24700	R-24700SFI	2	TPH as Motor Oil	0	
RAVENNA AVE	24700	R-24700SFI	3.5	TPH as Motor Oil	550	
RAVENNA AVE	24700	R-24700SFI	5	TPH as Motor Oil	1400	Y
RAVENNA AVE	24700	R-24700SFI	10	TPH as Motor Oil	0	
RAVENNA AVE	24703	R-24703SBE	0.5	TPH as Motor Oil	8100	Y
RAVENNA AVE	24703	R-24703SBE	2	TPH as Motor Oil	130	
RAVENNA AVE	24703	R-24703SBE	5	TPH as Motor Oil	440	
RAVENNA AVE	24703	R-24703SBE	9	TPH as Motor Oil	11000	
RAVENNA AVE	24703	R-24703SBE	10	TPH as Motor Oil	21000	
RAVENNA AVE	24706	R-24706SBAA	4.5	TPH as Motor Oil	3900	
RAVENNA AVE	24706	R-24706SBAA	5	TPH as Motor Oil	1400	Y
RAVENNA AVE	24706	R-24706SBAA	10	TPH as Motor Oil	20	
RAVENNA AVE	24706	R-24706SFB	0.5	TPH as Motor Oil	2700	Y
RAVENNA AVE	24706	R-24706SFB	2	TPH as Motor Oil	410	
RAVENNA AVE	24706	R-24706SFB	2.5	TPH as Motor Oil	7900	Y
RAVENNA AVE	24706	R-24706SFB	5	TPH as Motor Oil	1000	Y
RAVENNA AVE	24706	R-24706SFB	10	TPH as Motor Oil	73	
RAVENNA AVE	24706	R-24706SFD	0.5	TPH as Motor Oil	2900	
RAVENNA AVE	24706	R-24706SFD	2	TPH as Motor Oil	4300	Y
RAVENNA AVE	24706	R-24706SFD	5	TPH as Motor Oil	79	
RAVENNA AVE	24706	R-24706SFD	10	TPH as Motor Oil	100	
RAVENNA AVE	24712	R-24712SB	0.5	TPH as Motor Oil	170	
RAVENNA AVE	24712	R-24712SB	2	TPH as Motor Oil	800	
RAVENNA AVE	24712	R-24712SB	5	TPH as Motor Oil	2200	Y
RAVENNA AVE	24712	R-24712SB	10	TPH as Motor Oil	15	
RAVENNA AVE	24712	R-24712SBB	0.5	TPH as Motor Oil	280	
RAVENNA AVE	24712	R-24712SBB	2	TPH as Motor Oil	1600	Y
RAVENNA AVE	24712	R-24712SBB	5	TPH as Motor Oil	180	
RAVENNA AVE	24712	R-24712SBB	10	TPH as Motor Oil	21	
RAVENNA AVE	24712	R-24712SFAA	5	TPH as Motor Oil	1300	Y
RAVENNA AVE	24712	R-24712SFAA	10	TPH as Motor Oil	11	
RAVENNA AVE	24712	R-24712SFB	0.5	TPH as Motor Oil	290	
RAVENNA AVE	24712	R-24712SFB	2	TPH as Motor Oil	1200	
RAVENNA AVE	24712	R-24712SFB	4	TPH as Motor Oil	2100	
RAVENNA AVE	24712	R-24712SFB	5	TPH as Motor Oil	1600	Y
RAVENNA AVE	24712	R-24712SFB	10	TPH as Motor Oil	16	
RAVENNA AVE	24712	R-24712SFC	0.5	TPH as Motor Oil	5100	
RAVENNA AVE	24712	R-24712SFC	2	TPH as Motor Oil	1300	
RAVENNA AVE	24712	R-24712SFC	4	TPH as Motor Oil	15000	
RAVENNA AVE	24712	R-24712SFC	5	TPH as Motor Oil	4400	Y
RAVENNA AVE	24712	R-24712SFC	10	TPH as Motor Oil	7.4	
RAVENNA AVE	24713	R-24713SFB	0.5	TPH as Motor Oil	1100	
RAVENNA AVE	24713	R-24713SFB	2	TPH as Motor Oil	8900	Y
RAVENNA AVE	24713	R-24713SFB	5	TPH as Motor Oil	89	
RAVENNA AVE	24713	R-24713SFB	10	TPH as Motor Oil	470	
RAVENNA AVE	24716	R-24716SFA	0.5	TPH as Motor Oil	1900	Y
RAVENNA AVE	24716	R-24716SFA	2	TPH as Motor Oil	75	
RAVENNA AVE	24716	R-24716SFA	3	TPH as Motor Oil	660	
RAVENNA AVE	24716	R-24716SFA	5	TPH as Motor Oil	2100	Y
RAVENNA AVE	24716	R-24716SFA	10	TPH as Motor Oil	13	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24716	R-24716SFB	0.5	TPH as Motor Oil	1000	Y
RAVENNA AVE	24716	R-24716SFB	2	TPH as Motor Oil	20	
RAVENNA AVE	24716	R-24716SFB	3	TPH as Motor Oil	3300	
RAVENNA AVE	24716	R-24716SFB	5	TPH as Motor Oil	2100	Y
RAVENNA AVE	24716	R-24716SFB	10	TPH as Motor Oil	26	
RAVENNA AVE	24716	R-24716SFCA	3.5	TPH as Motor Oil	5200	
RAVENNA AVE	24716	R-24716SFCA	5	TPH as Motor Oil	2600	Y
RAVENNA AVE	24716	R-24716SFCA	10	TPH as Motor Oil	34	
RAVENNA AVE	24722	R-24722SBB	0.5	TPH as Motor Oil	7400	Y
RAVENNA AVE	24722	R-24722SBB	2	TPH as Motor Oil	1100	Y
RAVENNA AVE	24722	R-24722SBB	5	TPH as Motor Oil	0	
RAVENNA AVE	24722	R-24722SBB	10	TPH as Motor Oil	110	
RAVENNA AVE	24722	R-24722SBD	0.5	TPH as Motor Oil	510	
RAVENNA AVE	24722	R-24722SBD	2	TPH as Motor Oil	2300	Y
RAVENNA AVE	24722	R-24722SBD	5	TPH as Motor Oil	130	
RAVENNA AVE	24722	R-24722SBD	10	TPH as Motor Oil	250	
RAVENNA AVE	24722	R-24722SFA	0.5	TPH as Motor Oil	5000	Y
RAVENNA AVE	24722	R-24722SFA	2	TPH as Motor Oil	73	
RAVENNA AVE	24722	R-24722SFA	3	TPH as Motor Oil	1700	
RAVENNA AVE	24722	R-24722SFA	5	TPH as Motor Oil	4500	Y
RAVENNA AVE	24722	R-24722SFA	10	TPH as Motor Oil	74	
RAVENNA AVE	24722	R-24722SFB	0.5	TPH as Motor Oil	58	
RAVENNA AVE	24722	R-24722SFB	2	TPH as Motor Oil	270	
RAVENNA AVE	24722	R-24722SFB	4	TPH as Motor Oil	5300	Y
RAVENNA AVE	24722	R-24722SFB	5	TPH as Motor Oil	460	
RAVENNA AVE	24722	R-24722SFB	10	TPH as Motor Oil	200	
RAVENNA AVE	24722	R-24722SFC	0.5	TPH as Motor Oil	550	
RAVENNA AVE	24722	R-24722SFC	2	TPH as Motor Oil	1200	
RAVENNA AVE	24722	R-24722SFC	3.5	TPH as Motor Oil	2000	
RAVENNA AVE	24722	R-24722SFC	5	TPH as Motor Oil	13000	Y
RAVENNA AVE	24722	R-24722SFC	10	TPH as Motor Oil	0	
RAVENNA AVE	24722	R-24722SFD	0.5	TPH as Motor Oil	240	
RAVENNA AVE	24722	R-24722SFD	2	TPH as Motor Oil	1900	
RAVENNA AVE	24722	R-24722SFD	3	TPH as Motor Oil	1000	Y
RAVENNA AVE	24722	R-24722SFD	5	TPH as Motor Oil	120	
RAVENNA AVE	24722	R-24722SFD	10	TPH as Motor Oil	1000	
RAVENNA AVE	24722	R-24722BVEA	0.5	TPH as Motor Oil	350	
RAVENNA AVE	24722	R-24722BVEA	2	TPH as Motor Oil	3200	
RAVENNA AVE	24722	R-24722BVEA	5	TPH as Motor Oil	6600	Y
RAVENNA AVE	24722	R-24722BVEA	10	TPH as Motor Oil	350	
RAVENNA AVE	24722	R-24722BVEB	0.5	TPH as Motor Oil	110	
RAVENNA AVE	24722	R-24722BVEB	2	TPH as Motor Oil	320	
RAVENNA AVE	24722	R-24722BVEB	3.5	TPH as Motor Oil	1900	Y
RAVENNA AVE	24722	R-24722BVEB	5	TPH as Motor Oil	160	
RAVENNA AVE	24722	R-24722BVEB	10	TPH as Motor Oil	170	
RAVENNA AVE	24723	R-24723SBA	0.5	TPH as Motor Oil	250	
RAVENNA AVE	24723	R-24723SBA	2	TPH as Motor Oil	140	
RAVENNA AVE	24723	R-24723SBA	5	TPH as Motor Oil	2100	Y
RAVENNA AVE	24723	R-24723SBA	10	TPH as Motor Oil	21	
RAVENNA AVE	24723	R-24723SBC	0.5	TPH as Motor Oil	300	
RAVENNA AVE	24723	R-24723SBC	2	TPH as Motor Oil	310	
RAVENNA AVE	24723	R-24723SBC	5	TPH as Motor Oil	4800	Y
RAVENNA AVE	24723	R-24723SBC	10	TPH as Motor Oil	110	
RAVENNA AVE	24723	R-24723SFC	0.5	TPH as Motor Oil	1200	Y
RAVENNA AVE	24723	R-24723SFC	2	TPH as Motor Oil	13	
RAVENNA AVE	24723	R-24723SFC	5	TPH as Motor Oil	0	
RAVENNA AVE	24723	R-24723SFC	10	TPH as Motor Oil	0	
RAVENNA AVE	24726	R-24726SBB	0.5	TPH as Motor Oil	1700	Y
RAVENNA AVE	24726	R-24726SBB	2	TPH as Motor Oil	93	
RAVENNA AVE	24726	R-24726SBB	5	TPH as Motor Oil	0	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

RAVENNA AVE	24726	R-24726SBB	10	TPH as Motor Oil	11	
RAVENNA AVE	24726	R-24726SBC	0.5	TPH as Motor Oil	1700	Y
RAVENNA AVE	24726	R-24726SBC	2	TPH as Motor Oil	0	
RAVENNA AVE	24726	R-24726SBC	5	TPH as Motor Oil	12	
RAVENNA AVE	24726	R-24726SBC	10	TPH as Motor Oil	0	
RAVENNA AVE	24726	R-24726SFB	0.5	TPH as Motor Oil	17	
RAVENNA AVE	24726	R-24726SFB	2	TPH as Motor Oil	30	
RAVENNA AVE	24726	R-24726SFB	3.5	TPH as Motor Oil	15000	
RAVENNA AVE	24726	R-24726SFB	5	TPH as Motor Oil	5500	Y
RAVENNA AVE	24726	R-24726SFB	10	TPH as Motor Oil	0	
RAVENNA AVE	24732	R-24732SFA	0.5	TPH as Motor Oil	110	
RAVENNA AVE	24732	R-24732SFA	2	TPH as Motor Oil	1000	Y
RAVENNA AVE	24732	R-24732SFA	5	TPH as Motor Oil	130	
RAVENNA AVE	24732	R-24732SFA	10	TPH as Motor Oil	0	
RAVENNA AVE	24732	R-24732SFC	0.5	TPH as Motor Oil	240	
RAVENNA AVE	24732	R-24732SFC	2	TPH as Motor Oil	680	
RAVENNA AVE	24732	R-24732SFC	3.5	TPH as Motor Oil	130	
RAVENNA AVE	24732	R-24732SFC	5	TPH as Motor Oil	4300	Y
RAVENNA AVE	24732	R-24732SFC	10	TPH as Motor Oil	26	
RAVENNA AVE	24732	R-24732SFF	0.5	TPH as Motor Oil	1400	
RAVENNA AVE	24732	R-24732SFF	2	TPH as Motor Oil	450	
RAVENNA AVE	24732	R-24732SFF	4	TPH as Motor Oil	1900	
RAVENNA AVE	24732	R-24732SFF	5	TPH as Motor Oil	6200	Y
RAVENNA AVE	24732	R-24732SFF	10	TPH as Motor Oil	140	
RAVENNA AVE	24732	R-24732SFG	0.5	TPH as Motor Oil	3600	Y
RAVENNA AVE	24732	R-24732SFG	2	TPH as Motor Oil	93	
RAVENNA AVE	24732	R-24732SFG	5	TPH as Motor Oil	0	
RAVENNA AVE	24732	R-24732SFG	10	TPH as Motor Oil	0	
RAVENNA AVE	24733	R-24733SBD	0.5	TPH as Motor Oil	5900	Y
RAVENNA AVE	24733	R-24733SBD	2	TPH as Motor Oil	160	
RAVENNA AVE	24733	R-24733SBD	5	TPH as Motor Oil	0	
RAVENNA AVE	24733	R-24733SBD	10	TPH as Motor Oil	0	
RAVENNA AVE	24736	R-24736SBB	0.5	TPH as Motor Oil	1600	
RAVENNA AVE	24736	R-24736SBB	2	TPH as Motor Oil	6600	Y
RAVENNA AVE	24736	R-24736SBB	5	TPH as Motor Oil	1300	
RAVENNA AVE	24736	R-24736SBB	10	TPH as Motor Oil	5000	
RAVENNA AVE	24736	R-24736SFA	0.5	TPH as Motor Oil	240	
RAVENNA AVE	24736	R-24736SFA	2	TPH as Motor Oil	100	
RAVENNA AVE	24736	R-24736SFA	4	TPH as Motor Oil	210	
RAVENNA AVE	24736	R-24736SFA	5	TPH as Motor Oil	1600	Y
RAVENNA AVE	24736	R-24736SFA	10	TPH as Motor Oil	280	
RAVENNA AVE	24736	R-24736SFD	0.5	TPH as Motor Oil	2400	
RAVENNA AVE	24736	R-24736SFD	2	TPH as Motor Oil	2500	
RAVENNA AVE	24736	R-24736SFD	3	TPH as Motor Oil	20000	Y
RAVENNA AVE	24736	R-24736SFD	5	TPH as Motor Oil	2400	
RAVENNA AVE	24736	R-24736SFD	10	TPH as Motor Oil	3600	
RAVENNA AVE	24739	R-24739SBE	0.5	TPH as Motor Oil	1300	Y
RAVENNA AVE	24739	R-24739SBE	2	TPH as Motor Oil	14	
RAVENNA AVE	24739	R-24739SBE	5	TPH as Motor Oil	0	
RAVENNA AVE	24739	R-24739SBE	10	TPH as Motor Oil	0	
RAVENNA AVE	24739	R-24739SFD	0.5	TPH as Motor Oil	7600	
RAVENNA AVE	24739	R-24739SFD	2	TPH as Motor Oil	13000	Y
RAVENNA AVE	24739	R-24739SFD	5	TPH as Motor Oil	500	
RAVENNA AVE	24739	R-24739SFD	10	TPH as Motor Oil	64	
RAVENNA AVE	24743	R-24743SBC	0.5	TPH as Motor Oil	3900	
RAVENNA AVE	24743	R-24743SBC	2	TPH as Motor Oil	1600	
RAVENNA AVE	24743	R-24743SBC	4.5	TPH as Motor Oil	1800	
RAVENNA AVE	24743	R-24743SBC	5	TPH as Motor Oil	38000	Y
RAVENNA AVE	24743	R-24743SBC	10	TPH as Motor Oil	3500	
RAVENNA AVE	24748	R-24748SFD	0.5	TPH as Motor Oil	1300	

**TABLE A-3
RESIDENTIAL BORING SOIL SAMPLES WITH
TPHmo CONCENTRATIONS IN SOIL SAMPLES > 5X CONCENTRATIONS IN UNDERLYING SOILS**

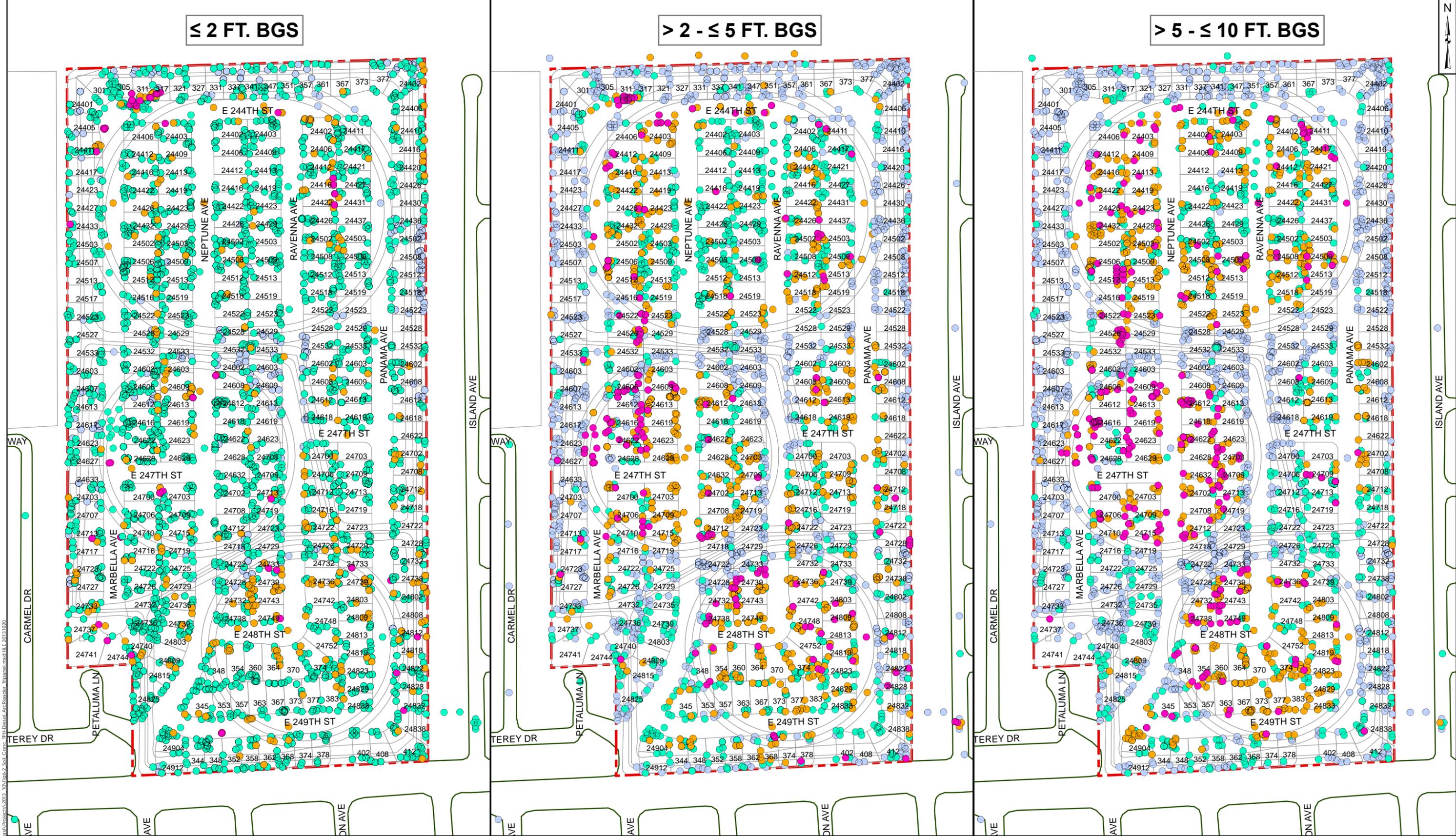
RAVENNA AVE	24748	R-24748SFD	2	TPH as Motor Oil	390	
RAVENNA AVE	24748	R-24748SFD	3	TPH as Motor Oil	20000	Y
RAVENNA AVE	24748	R-24748SFD	5	TPH as Motor Oil	3000	
RAVENNA AVE	24748	R-24748SFD	10	TPH as Motor Oil	4500	
RAVENNA AVE	24749	R-24749SFB	0.5	TPH as Motor Oil	230	
RAVENNA AVE	24749	R-24749SFB	2	TPH as Motor Oil	2600	
RAVENNA AVE	24749	R-24749SFB	3.5	TPH as Motor Oil	18000	Y
RAVENNA AVE	24749	R-24749SFB	5	TPH as Motor Oil	1200	
RAVENNA AVE	24749	R-24749SFB	10	TPH as Motor Oil	780	
RAVENNA AVE	24749	R-24749SFC	0.5	TPH as Motor Oil	1300	
RAVENNA AVE	24749	R-24749SFC	2	TPH as Motor Oil	6300	Y
RAVENNA AVE	24749	R-24749SFC	5	TPH as Motor Oil	490	
RAVENNA AVE	24749	R-24749SFF	0.5	TPH as Motor Oil	580	
RAVENNA AVE	24749	R-24749SFF	2	TPH as Motor Oil	3700	
RAVENNA AVE	24749	R-24749SFF	3	TPH as Motor Oil	7600	Y
RAVENNA AVE	24749	R-24749SFF	5	TPH as Motor Oil	950	
RAVENNA AVE	24749	R-24749SFF	10	TPH as Motor Oil	15000	
RAVENNA AVE	24752	R-24752SB	0.5	TPH as Motor Oil	120	
RAVENNA AVE	24752	R-24752SB	2	TPH as Motor Oil	2000	Y
RAVENNA AVE	24752	R-24752SB	5	TPH as Motor Oil	92	
RAVENNA AVE	24752	R-24752SB	10	TPH as Motor Oil	7800	
RAVENNA AVE	24752	R-24752SBA	0.5	TPH as Motor Oil	54	
RAVENNA AVE	24752	R-24752SBA	2	TPH as Motor Oil	2100	Y
RAVENNA AVE	24752	R-24752SBA	3.5	TPH as Motor Oil	210	
RAVENNA AVE	24752	R-24752SBA	5	TPH as Motor Oil	10000	
RAVENNA AVE	24752	R-24752SBA	10	TPH as Motor Oil	2200	
RAVENNA AVE	24752	R-24752SBB	0.5	TPH as Motor Oil	710	
RAVENNA AVE	24752	R-24752SBB	2	TPH as Motor Oil	130	
RAVENNA AVE	24752	R-24752SBB	3.5	TPH as Motor Oil	2300	Y
RAVENNA AVE	24752	R-24752SBB	5	TPH as Motor Oil	370	
RAVENNA AVE	24752	R-24752SBB	10	TPH as Motor Oil	2300	
RAVENNA AVE	24752	R-24752SFA	0.5	TPH as Motor Oil	0	
RAVENNA AVE	24752	R-24752SFA	2	TPH as Motor Oil	390	
RAVENNA AVE	24752	R-24752SFA	3	TPH as Motor Oil	16000	Y
RAVENNA AVE	24752	R-24752SFA	5	TPH as Motor Oil	350	
RAVENNA AVE	24752	R-24752SFA	10	TPH as Motor Oil	300	
RAVENNA AVE	24752	R-24752SFC	0.5	TPH as Motor Oil	1600	Y
RAVENNA AVE	24752	R-24752SFC	2	TPH as Motor Oil	38	
RAVENNA AVE	24752	R-24752SFC	3.5	TPH as Motor Oil	5200	
RAVENNA AVE	24752	R-24752SFC	5	TPH as Motor Oil	2300	
RAVENNA AVE	24752	R-24752SFC	10	TPH as Motor Oil	1400	
RAVENNA AVE	24752	R-24752SFD	0.5	TPH as Motor Oil	710	
RAVENNA AVE	24752	R-24752SFD	2	TPH as Motor Oil	2800	
RAVENNA AVE	24752	R-24752SFD	4	TPH as Motor Oil	1200	
RAVENNA AVE	24752	R-24752SFD	5	TPH as Motor Oil	1200	Y
RAVENNA AVE	24752	R-24752SFD	10	TPH as Motor Oil	84	
Summary						677

Appendix B

≤ 2 FT. BGS

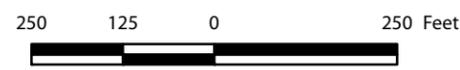
> 2 - ≤ 5 FT. BGS

> 5 - ≤ 10 FT. BGS



Santa Barbara, CA Data - P:\GIS\Kast\Projects\2013_10\Map2_Sof\Contc - TPH-Diesel ArcReader - Tripartite.mxd File: 20131020

- Legend**
- Non-Detect (ND)
 - ≤ 1000 mg/kg
 - > 1000 to 10000 mg/kg
 - > 10000 mg/kg



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Santa Barbara, CA

October 2013

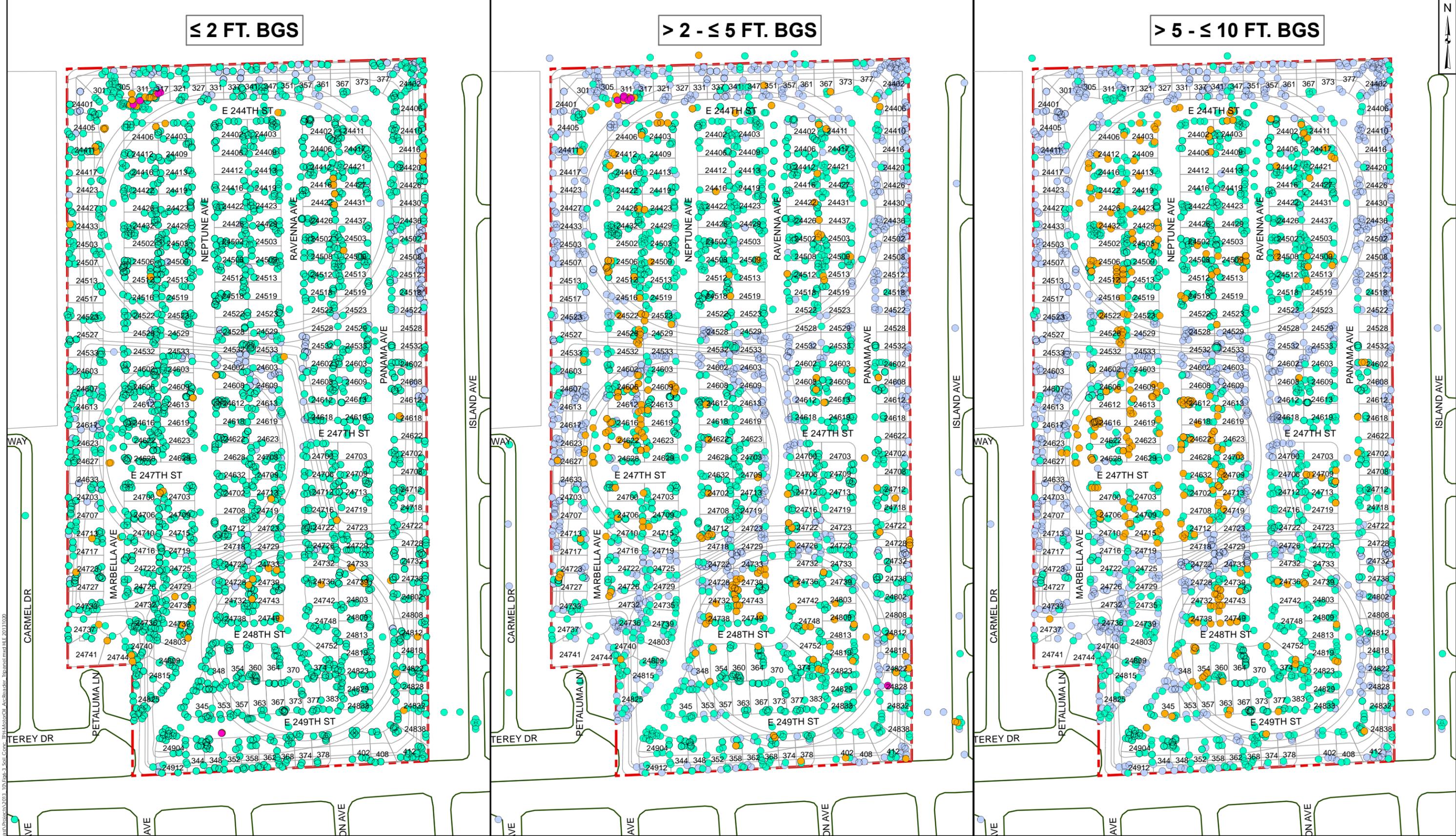
Summary of TPH-Diesel Concentrations in Soil
Former Kast Property

Figure
6-2

≤ 2 FT. BGS

> 2 - ≤ 5 FT. BGS

> 5 - ≤ 10 FT. BGS



Santa Barbara, CA Data - P:\GIS\Kast\Projects\2013_10\Map_3_Soil_Conc_TPH_Motor_Oil_ArcReader_Tripnet.mxd H:\E_20131020

Legend

- Non-Detect (ND)
- ≤ 10000 mg/kg
- > 10000 to 100000 mg/kg
- > 100000 mg/kg

250 125 0 250 Feet



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Santa Barbara, CA

October 2013

Summary of TPH-Motor Oil Concentrations in Soil

Former Kast Property

Figure

6-3