

DEPARTMENT OF TOXIC SUBSTANCES CONTROL1405 N. SAN FERNANDO BLVD., SUITE 300
BURBANK, CA 91504

(818) 567-3000



July 8, 1992

Mr. William Richards
Parts Warehouse Manager
Volkswagon of United States, Inc.
500 South 7th Avenue
City of Industry, California 91746

Dear Mr. Richards:

The Department of Toxic Substances Control (the Department) has recently completed a study of lead in soil in your area and we wish to advise you of relevant results. A brochure from the California Department of Health Services is enclosed to provide you with additional information.

Of the over 50 samples collected, five samples were collected on the premises of Volkswagen of United States, Inc. (Volkswagon). One of these samples, identified as Northeast-3, was collected from within the fenced area of your facility. Four additional samples were collected from the open field south of the facility. Each of those samples exhibited either total or soluble lead contamination at a level of regulatory concern (see Table A).

We are now attempting to establish the identity of all potentially responsible parties (PRPs) for the lead contamination of the Volkswagen property. If the Department is successful in its effort to identify PRPs, the Department has the authority to issue an order to responsible parties establishing a schedule for removing or remedying the release of lead on your property [see, e.g., Health and Safety Code section 25355.5(a)(1)(B)].

The Department greatly appreciates your cooperation in our study. We hope we can count on your continuing assistance should we need to do further work at the Volkswagen property. If you should have any questions regarding these issues, please contact Nancy Steele of our Department, (818) 567-3020. Thank you again for your assistance in our ongoing study.

Sincerely,

A handwritten signature in cursive script that reads "Scott Simpson".

Scott Simpson, Chief
Facilities Management Branch

Enclosure

PD

Mr. William Richards
July 8, 1992
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cc: Dr. Lynn Goldman
Acting Chief
Office of Environmental and Occupational Epidemiology
Department of Health Services
5900 Hollis Street, Suite 6
Emeryville, California 94608

Dr. Paul Papanak
Los Angeles County Department of Health Services
Toxics Epidemiology Program
2615 South Grand Avenue, 6th floor
Los Angeles, California 90007

Table A. Total and Soluble Lead Concentrations
for Samples Collected at Volkswagen

Sample ID	Location Description	Total Lead Conc. (mg/kg) ^a	Soluble Lead Conc. (mg/L) ^b
Northeast-3	At midpoint of back of building, next to fence.	230	12.4
Northeast-2	Close to south side of building, in vacant lot.	444	25.6
Northeast-1	North side of San Jose Creek in vacant lotm near 6th fence post from a fence corner.	607	30.1
North-1	At corner of 7th Ave and the north side of San Jose Creek.	401	25.5
QNS-3	North side of San Jose Creek, opposite of midpoint of fenceline of 720 S. 7th Avenue.	1800	-- ^c

^a Total Threshold Limit Concentration for lead is 1000 mg/kg [title 22, California Code of Regulations (Cal. Codes Regs.), section 66261.24(a)(2)(A)].

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^b Soluble Threshold Limit Concentration for lead is 5 mg/L [title 22, Cal. Code Regs., section 66261.24(a)(2)(A)].

^c Sample not analyzed for this parameter.

OFF-SITE SAMPLING REPORT

In the vicinity of:

QUEMETCO, INC.
720 South 7th Avenue
City of Industry, CA 91748
Site Classification: Generator and
Interim Status for Treatment of
RCRA and non-RCRA Waste

EPA ID No. CAD 066233966

Dates of Sampling: December 6, 20, 23, 1991

Report Written By: Nancy L. C. Steele

Date of Report:

I. PURPOSE:

To determine soil-lead levels in the vicinity of Quemetco, Inc. in the City of Industry and determine if lead contamination of soils can be attributed to air emissions from Quemetco, Inc.

II. SAMPLING TEAM:

Shereef Aref, Hazardous Materials Specialist (HMS)
Guillermo Hernandez, HMS
Nancy L. C. Steele, HMS

III. SAMPLING SUMMARY:

Results of soil sampling on October 31 in the vicinity of Quemetco, Inc. indicated a need to expand the sampling effort to determine if a gradient of lead contamination exists as a result of air emissions from Quemetco. Thus, a plan of sampling was developed to take 40 additional soil samples in the area surrounding the battery recycling plant.

The plan established four transect lines in the compass directions north-south, northwest-southeast, west-east, and southwest-northeast. Sample points were established at 200 feet, 400 feet, 800 feet, 1600 feet, and 3200 feet on either side of the plant, measured from the fenceline, with the compass heading taken from the center of the plant (see Attachment A for map).

The major criterium was that all samples would be soil samples, thus deviations from the established sample points would be made as necessary to ensure collection of soil. Actual sample points would be the nearest patch of open soil to the transect line in any direction, thus some points would lie on the transect at different distances than established and others would be at the established distances but off the transect line. Table I lists the locations of each sample point, and photographs of each sample are in Attachment B. One sample was not collected because of access difficulties; three additional samples were collected on the east side of the plant, for a total of 42 samples. *sunbeam*

Each sample was collected using a new plastic scoop and placed into a new glass sample jar. Evidence tape was put on the jars immediately after sample collection and jars were placed in storage chests for transportation. Two samples (East-C and East-1) were split with Groundwater

Technology, Inc. (GTI) by mixing soil in a new jar, then transferring half of the soil to GTI's jar and half to DTSC's jar.

On December 6, sampling took place from 1030 to 1430, and samples collected were W-1 to W-4, N-1, N-2, NE1 to NE-5, and E-3 to E-5 (14 samples). These samples were delivered under chain of custody to the Department office and stored in a secure refrigerator until December 9, when they were shipped via Federal Express to the Hazardous Materials Lab in Berkeley. The samples were received by Terana Hannon on December 10 (Attachment C).

On December 20, 22 samples were collected between 1000 and 1500 hrs. These were SE-A, SE-B, NW-4, NW-5, N-3 to 5, SE-1 to 5, S-1 to 5, and SW-1 to 5. Samples collected December 20 were delivered under chain of custody to the Department office and stored in a secure refrigerator until December 23, when they were removed and transported to the Southern California Lab along with samples collected December 23.

On December 23 sampling took place from 1100 to 1400 hr, and six samples were collected; E-C, NW-1 to 3, E-1 and E-2. Samples collected December 20 and 23 were received by Janice Wakakuwa December 23 (Attachment C).

IV. LABORATORY ANALYSIS RESULTS

Total Lead Concentrations: Analysis results (Attachment D) indicate that samples North-3, Northwest-1, -2, -3, Southeast-A, -1, East-1, and -2 exhibited concentrations of lead above the total Threshold Limit Concentration (TTLC) value, which is 1000 mg/kg. Soluble concentrations of lead are not available at this time.

These sample results, with the results from the previous off-site sampling (Attachment E), indicate the areas with hazardous levels of total lead (TTLC) are found to the north and northwest up to 360 feet from the fenceline and to the south, southeast, and east, up to approx. 400 feet east of the fenceline.

Sample Southeast-1, collected 200 ft from the fenceline, had a total lead concentration of 10,300 mg/kg, higher by an order of magnitude than any other off-site sample. This was collected from a rocky field to the east of Quemetco where we observed trucks driving and parking. This level of lead

is unlikely to have been caused by air emissions from Quemetco. This hot spot should be investigated further.

Six samples, including Southeast -1, were collected from land adjacent to the east/southeast side of Quemetco. Two of these samples (East-C and East-1) are known to be located on property belonging to Witco/Richardson Battery, which Quemetco is in escrow to purchase. The other four samples, ownership of land unknown, are Southeast-A, -B, -1, and -2. Three of these six samples exhibited soil lead levels above the TTLC for lead. The property owner(s) should be identified and notified of these soil-lead levels.

Other samples with soil-lead levels above the TTLC may also require notification of property owners (Northwest-3, -2, -1, North-3, and East-2).

None of the soil samples collected on residential property exhibited lead levels above the TTLC, however, two samples (Southwest-3 and -4) did have high total lead levels (770 and 660 mg/kg respectively). Southwest-4 is at the end of a subdivision closest to the freeway but Southwest-3 is not. These levels of total lead in residential areas may warrant additional investigation.

Soluble Lead Concentrations: Not yet available.

Soil-lead Isopleth: Not yet available.

TABLE I. SAMPLE LOCATIONS AND LEAD CONCENTRATIONS

<u>Sample</u>	<u>Location Description</u>	<u>Total Lead Conc. (ppm)</u>
North-5	South side of Proctor Ave., across from Proctor Park (14303-14333) driveway; ca. 3200 ft N. C/I*	90
North-4	Median area of 14415 Don Julian Rd; wet dirt; ca. 1600 ft N. C/I	180
North-3	At the back of 525 S. 7th Ave., near the rail spur; coarse, sandy soil; ca. 800 ft N. C/I	1100
North-2	In front of 649 S. 7th Ave.; median area between 3rd and 4th trees from the south of the property; soil from between juniper shrubs; ca. 400 ft N. C/I	109
North-1	At the corner of 7th Ave. and the north side of San Jose Creek; loose soil; ca. 200 ft. N. C/I	401
South-1	115 ft south of Quemetco's fenceline, measured from "stop sign ahead" sign, south of the rail road line; packed soil. C/I	200
South-2	North side of Clark Ave., across from Doverfield Ave., next to fire hydrant; loose soil; distance undetermined. C/I	100
South-3	14749 Fairbury, Hillgrove, in front yard next to tree; loose dirt; ca. 800 ft S. R	400
South-4	14819 Walbrook, east of Latchford, Hillgrove, in a mostly dirt front yard; loose dirt; ca. 1600 ft S. R	380
South-5	1181 Jarrow Ave., near Binney St., on the median; loose dirt; ca. 3200 ft. S., near freeway. R	250

Off-Site Sampling Report
In the Vicinity of Quemetco, Inc.

December 6, 20, 23, 1991

Northwest-5	South side of Lomas Ave., across from Redburn Ave., outside fence of school yard; ca. 3200 ft NW. R	100
Northwest-4	14400 Lomas Ave., on median; ca. 1600 ft NW. C/I	770
Northwest-3	20°W of N, 360 ft from NW corner of Quemetco, near fence adj. to San Jose Creek; packed soil. C/I	1400
Northwest-2	215 ft NW from NW corner of Quemetco, near fence adj. to San Jose Creek; packed soil. C/I	2000
Northwest-1	20°W of N, next to building on the 7th Ave side of 14557 Bonelli; loose soil; distance undetermined. C/I	1800
Southeast-A	10 ft from Quemetco's E fenceline, below the SE air monitor (60°E of S); packed soil. C/I	1200
Southeast-B	100 ft from fenceline, same as SE-A. C/I	560
Southeast-1	200 ft from fenceline, same as SE-A; packed soil underneath a rocky field. C/I	10,300
Southeast-2	400 ft from fenceline, same as SE-A; packed soil underneath a rocky field. C/I	730
Southeast-3	Between Salt Lake Ave. and railroad tracks, across from the fire hydrant at 14819-14849 Salt Lake Ave. and 70 ft W of RR crossing; loose soil; ca. 800 ft SE. C/I	480
Southeast-4	Near the old Union Pacific train depot, at the east end of 9th Ave., next to the train tracks; firm, rocky soil; ca. 1600 ft SE. C/I	200

Off-Site Sampling Report
In the Vicinity of Quemetco, Inc.

December 6, 20, 23, 1991

Southeast-5	Near 807 Turnbull Canyon Road, south of the Turnbull Canyon Plaza, next to a power or telephone box; packed dirt and dead grass; ca. 3200 ft SE. C/I	<50
West-5	Sample not collected.	-----
West-4	Space 20 on Willowood Dr. or Sunnyslope W (vacant); from front of lot in trailer park; loose soil next to tree; ca. 1600 ft. W. R	55.7
West-3	At back of first building west of 7th Ave on Clark Ave., between 2 tracks, 10 ft from the spur, at the 6th vertical line from west end of building; packed soil; ca. 800 ft W. C/I	101
West-2	At back of same building as W-3, 11 ft from spur, at 1st vertical line from east end of building; packed soil; ca. 400 ft W. C/I	61.9
West-1	West of 7th Ave.; packed soil; ca. 200 ft W. C/I	135
East-C	Next to fenceline, 36 ft N of NE fenceline air monitor; dry soil over asphalt; split with Groundwater Technology, Inc. (GTI). C/I	98
East-1	92 ft from fenceline, 5°N of E as measured from NE fenceline air monitor; undisturbed soil at the edge of the Witco yard that had had fresh soil laid down recently because of remediation for a LUST; split with GTI; packed soil. C/I	1400
East-2	About 5 ft from fence of San Jose Creek, ca. 190 ft E of edge of Witco building; (210 ft from edge of Witco building to Quemetco's gate = more than 400 ft from center of E fenceline); packed soil. C/I	2500

Off-Site Sampling Report
In the Vicinity of Quemetco, Inc.

December 6, 20, 23, 1991

East-3	South side of the San Jose Creek access road; packed soil; ca. 800 ft E. C/I	425
East-4	North side of San Jose Creek access road, near railroad bridge; loose soil; ca. 1600 ft E. C/I	73.2
East-5	Next to rock wall on north side of Proctor Ave., ca. 100 ft west of Turnbull Canyon Rd. (ca. 0.5 mi N of established sample point); loose, rocky soil; distance and compass heading undetermined. C/I	116
Southwest-5	Across from 14505 Spring Water Dr., near Ameluxen, on median; loose soil; ca. 3200 ft. SW. R	77
Southwest-4	At dead end of Walbrook, west of 7th Ave., between 14545 and 14550; packed soil; near freeway; ca. 1600 ft SW. R	660
Southwest-3	At dead end of Fairbury, east of 7th Ave, between 14606 and 14607 Fairbury; loose soil beneath pine tree; ca. 800 ft SW. R	770
Southwest-2	Near intersection of Clark Ave. and 7th Ave., next to small palm tree; loose soil; distance undetermined. C/I	700
Southwest-1	130 Ft SW of "stop sign ahead" sign on Quemetco's fenceline, next to railroad tracks; packed soil. C/I	180
Northeast-1	North side of San Jose Creek in vacant lot, near 6th fence post from a corner; ca. 200 ft NE. C/I	607
Northeast-2	Close to Volkswagen building, in vacant lot, loose rocky soil; ca. 400 ft NE. C/I	444
Northeast-3	At midpoint of back of Volkswagen building, next to fence; loose rocky soil; ca. 800 ft NE. C/I	230

V. ATTACHMENTS

- A. Map of projected sample locations from preliminary sampling plan and maps showing actual sample locations.
- B. Photographs.
- C. Chain of custody forms.
- D. Laboratory results.
- E. Off-site sampling report of December 31, 1991.

Off-Site Sampling Report
In the Vicinity of Quemetco, Inc.

December 6, 20, 23, 1991

Northeast-4	At back of Bentley Mills building, near railroad spur and silver tank; ca. 1600 ft NE. C/I	339
Northeast-5	At the back of house at 203 8th Ave., ca. 200 ft W of street; hard packed soil; distance and compass direction undetermined. R	47.0

* C/I is commercial or industrial property; R is residential property
or a school site.

OFF-SITE SAMPLING SUMMARY

QUEMETCO, INC.

December 6, 20, 23, 1991

Samples are identified by the compass direction (actual sample location may be different from labeled direction--see report) and distance from Quemetco, with samples identified as 5 being approx. 3200 ft from the fenceline, 4 being 1600 ft away, 3 being 800 ft away, 3 being 400 ft away, and 1 being 200 ft away. Actual sample location distances may be different. See report or map. Samples identified as A, B, or C were not on the sampling plan. See map or report for those sample locations.

"Hot spot" sample: Total Lead Conc. (mg/kg)

Southeast-1 10,300

Samples over 1000 mg/kg:

North-3 1100
Northwest-3 1400
Northwest-2 2000
Northwest-1 1800
Southeast-A 1200
East-1 1400
East-2 2500

Samples from 500-999 mg/kg:

Northwest-4 770
Southeast-B 560
Southeast-2 730
Southwest-4* 660
Southwest-3* 770
Southwest-2 700
Northeast-1 607

Samples from 100-499 mg/kg:

North-4 180
North-2 109
North-1 401
South-1 200
South-2 100
South-3* 400
South-4* 380
South-5* 250
Northwest-5* 100
Southeast-3 480
Southeast-4 200
West-3 101

Samples from 100-499 mg/kg (con't):

West-1	135
East-3	425
East-5	116
Southwest-1	180
Northeast-2	444
Northeast-3	230
Northeast-4	339

Samples below 100 mg/kg:

North-5	90
Southeast-5	<50
West-4*	55.7
West-2	61.9
East-C	98
East-4	73.2
Southwest-5*	77
Northeast-5*	47

*Residential properties

October 31, 1991

See the attached map for the locations of these samples. The full report was delivered December 31, 1991. This summary is supplied for comparison with samples collected in December.

Samples over 1000 mg/kg:

1--outside main gate, south fenceline	3800
2--one ft north of north fenceline	2300
3--north of San Jose Creek (ca. 80 ft N)	1800

Samples from 500-999 mg/kg:

None

Samples from 100-499 mg/kg:

5--south border of Don Julian School	190
6--east border of Vallley High School	150
7--946 S. Finegrove, Hillgrove	220
8--15040 Clark Ave. (Clark Ave. Preschool)	190

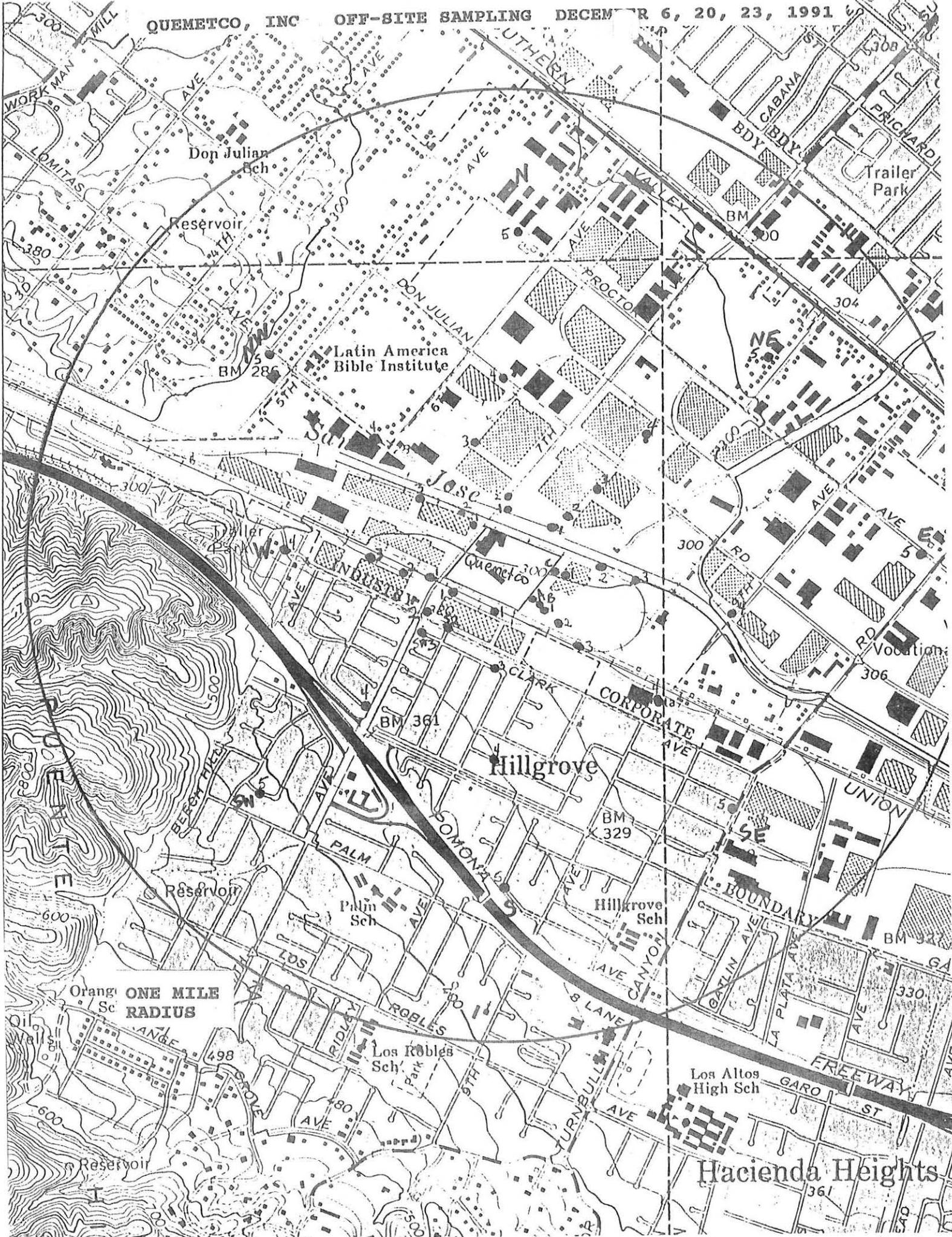
Samples below 100 mg/kg:

4--about 1/3 mi north of fenceline, on 7th Ave.	70
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QUEMETCO, INC

OFF-SITE SAMPLING

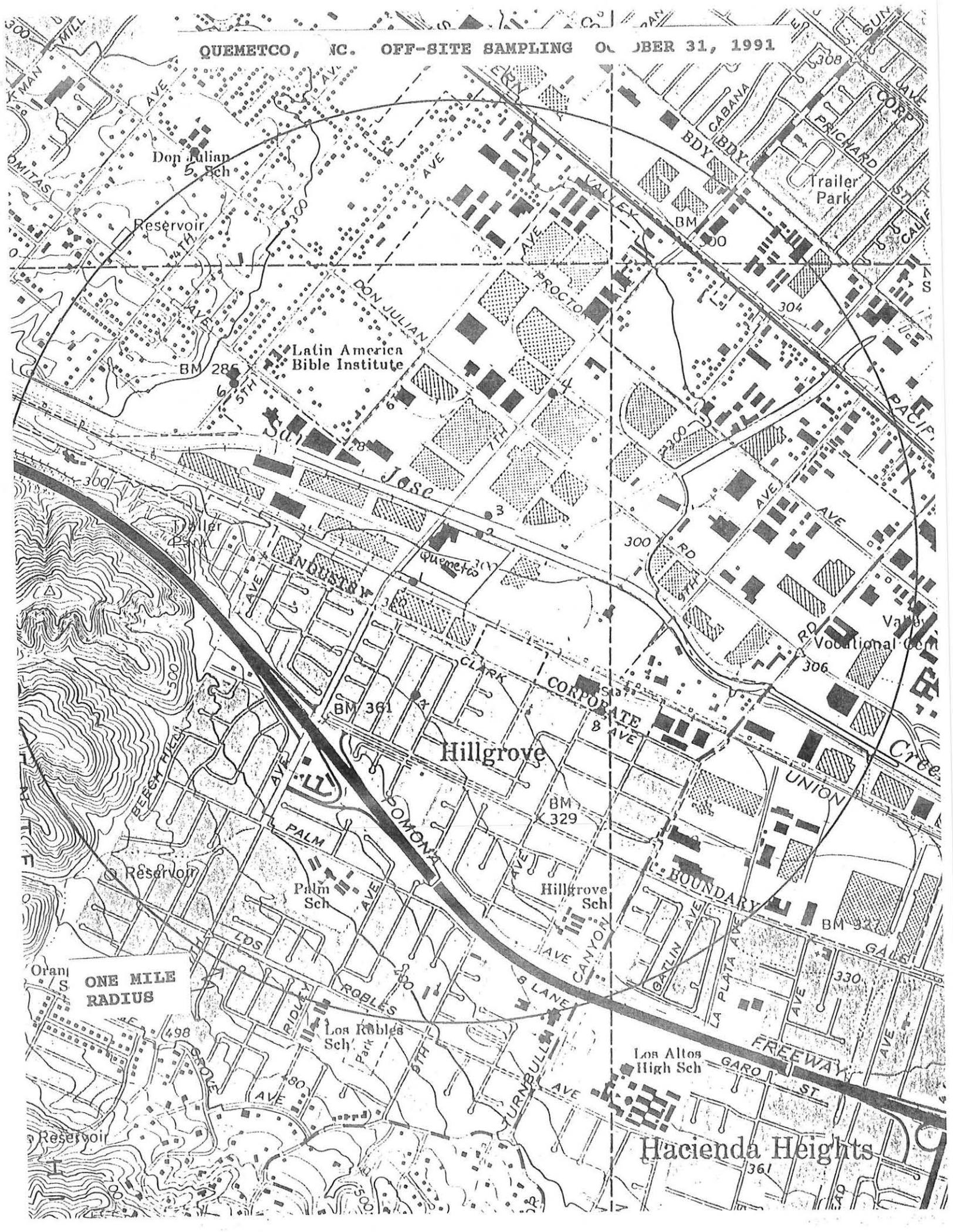
DECEMBER 6, 20, 23, 1991



ONE MILE RADIUS

Hacienda Heights

QUEMETCO, NC. OFF-SITE SAMPLING OCTOBER 31, 1991



Don Julian Sch

Reservoir

Latin America Bible Institute

Hillgrove

Hillgrove Sch

Los Robles Sch

Los Altos High Sch

Hacienda Heights

ONE MILE RADIUS

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

1405 N. SAN FERNANDO BLVD., SUITE 300
BURBANK, CA 91504
(818) 567-3000



July 29, 1992

Mr. and Mrs. James Philips
14545 Walbrook Drive
La Puente, California 91745

Dear Mr. and Mrs. Philips:

The Department of Toxic Substances Control (the Department) has recently completed a study of lead in soil in your area and we wish to advise you of relevant results. Additional information about lead in soil from the Los Angeles County and State Department of Health Services is enclosed.

Of the over 50 samples collected in the areas of City of Industry, La Puente, Bassett, and Hacienda Heights, one sample was collected from an area of bare soil at or near your property at 14545 Walbrook Drive. The level of lead in the soil collected from your property was 660 ppm.

As explained in the enclosed brochure, the amount of lead in soil is measured in parts per million (ppm). Levels of 200 to 500 ppm lead are commonly found in city soils. You are being notified because the amount of lead in the soil sampled from your property was 200 ppm or greater, which is a level at which the CDHS recommends that certain simple actions be taken. The recommended actions are outlined in the enclosed brochure.

We hope we will have your assistance should we need to take more samples on your property. If you should have any questions regarding these issues, please contact Nancy Steele of our Department at (818) 567-3020. Thank you for your assistance in our ongoing study.

Sincerely,

A handwritten signature in cursive script that reads "Scott Simpson".

Scott Simpson, Chief
Facilities Management Branch

Enclosures

cc: See next page

Mr. and Mrs. James R. Philips
July 29, 1992
Page 2

cc: Dr. Lynn Goldman
Acting Chief
Division of Environmental & Occupational Disease Control
Department of Health Services
5900 Hollis Street, Suite 6
Emeryville, California 94608

NSCC