GEOCON

GEOTECHNICAL
&
ENVIRONMENTAL
CONSULTANTS

SITE ASSESSMENT FOR LEAD

ROUTE 5
NOBEL DRIVE OVERCROSSING TO
GENESEE AVENUE OVERCROSSING
KP R45.4/R47.4
PM R28.22/R29.46
SAN DIEGO, CALIFORNIA
CONTRACT NO. 43A0012
TASK ORDER NO. 11-24370K-VL

PREPARED FOR

CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 11
SAN DIEGO, CALIFORNIA

PREPARED BY

GEOCON ENVIRONMENTAL CONSULTANTS, INC.
6970 FLANDERS DRIVE
SAN DIEGO, CALIFORNIA 92121
Tel. 858.558.6100
Fax. 858.558.8437
email: environmental@geoconinc.com

OCTOBER 31, 2000

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. 08900-06-99
Task Order No. 11-24370K-VL
October 31, 2000

HAND-DELIVERED

Mr. Joel Kloth
California Department of Transportation
District 11
2829 Juan Street
San Diego, California 92110

Subject: ROUTE 5 BETWEEN THE NOBEL DRIVE OVERCROSSING AND GENESEE AVENUE OVERCROSSING
CONTRACT NO. 43A0012
TASK ORDER NO. 11-24370K-VL
SITE ASSESSMENT FOR AERIALLY DEPOSITED LEAD

Dear Mr. Kloth:

Geocon Environmental Consultants, Inc. (Geocon) has performed a site assessment for aerially deposited lead at the site consisting of the exposed soil one meter from the edge of the pavement in the median on Route 5 between the Nobel Drive Overcrossing and Genesee Avenue Overcrossing in San Diego, California (site). The accompanying report summarizes the services performed, including the advancement of hand auger borings, limited soil sampling, statistical analyses, and laboratory analyses. Please call us if you have any questions.

Sincerely,

GEOCON ENVIRONMENTAL CONSULTANTS, INC.

Ronald J. Kofron, CEG 1527
Senior Geologist

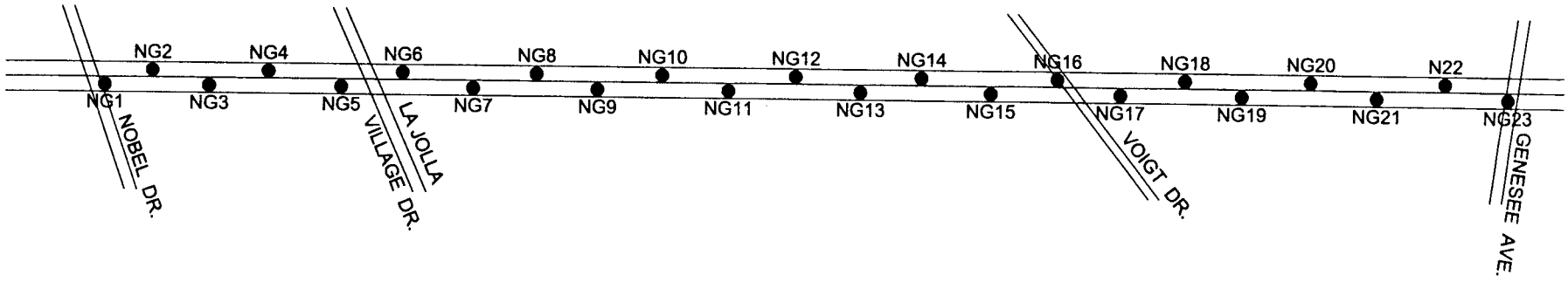
REGISTERED GEOLOGIST
RONALD J KOFRON
#1527
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Tim W. Leonard
Staff Scientist

TWL:RJK:lek

(5) Addressee

ROUTE 5, NOBEL DR. OVERCROSSING TO GENESEE AVE. OVERCROSSING SAN DIEGO, CALIFORNIA



RECOMMENDATIONS FOR REUSE

Geocon recommends that if the soil excavated along the median of the roadway is to be reused onsite, the upper 0.15 meters of soil be placed under at least 0.3 meters of clean-fill material or pavement, at least 1.5 meters above maximum groundwater in accordance with the ~~draft~~ DTSC Lead Variance. Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in onsite soil and that appropriate health and safety measures should be taken to minimize the exposure to lead. If the excavated soil is to be disposed, it should be handled as a hazardous material with respect to lead content.

GEOCON LEGEND

NG23 ●.....HAND AUGER LOCATIONS

SITE PLAN

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ▪ GEOTECHNICAL ▪ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437
PROJECT NO. 08900 - 06 - 99
FIGURE 2
DATE 10-31-2000

E:/SITEPLAN/89000699.DWG/aml

TABLE I
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample Identification	Depth in Meters	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead - WET Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045
NG1-S	0.15	149	12	ND	6.13
NG1-1	0.30	21	---	---	---
NG1-2	0.60	12	0.8	---	---
NG2-S	0.15	452	14	ND	---
NG2-1	0.30	57	10	ND	---
NG2-2	0.60	16	---	---	---
NG3-S	0.15	23	---	---	---
NG3-1	0.30	78	10	ND	---
NG3-2	0.60	300	25	ND	---
NG4-S	0.15	56	6.4	ND	---
NG4-1	0.30	32	---	---	7.23
NG4-2	0.60	25	1.9	---	---
NG5-S	0.15	315	39	ND	---
NG5-1	0.30	208	9.9	ND	---
NG5-2	0.60	133	9.5	ND	---
NG6-S	0.15	520	44	ND	---
NG6-1	0.30	705	45	ND	---
NG6-2	0.60	1160	---	---	---
NG7-S	0.15	656	45	ND	---
NG7-1	0.30	98	10	ND	---
NG7-2	0.60	181	11	0.21	7.85
NG8-S	0.15	772	72	0.17	---
NG8-1	0.30	255	22	ND	---
NG8-2	0.60	114	8.8	0.16	---
NG9-S	0.15	1900	---	---	---
NG9-1	0.30	265	25	ND	---
NG9-2	0.60	86	14	ND	---
NG10-S	0.15	842	99	ND	---
NG11-S	0.15	1970	---	---	---
NG11-1	0.30	256	22	0.31	---
NG11-2	0.60	73	7.5	ND	8.11
NG12-S	0.15	266	17	ND	---
NG12-1	0.30	10	1.3	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample Identification	Depth in Meters	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead - WET Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045
NG12-2	0.60	19	---	---	---
NG13-S	0.15	1440	---	---	---
NG13-1	0.30	11	---	---	---
NG13-2	0.60	9.6	---	---	---
NG14-S	0.15	455	36	0.15	---
NG14-1	0.30	57	4	---	---
NG14-2	0.60	7.4	1	---	---
NG15-S	0.15	204	23	0.18	7.22
NG15-1	0.30	162	19	ND	---
NG15-2	0.60	139	17	ND	---
NG16-S	0.15	1890	---	---	---
NG17-S	0.15	545	63	0.15	---
NG17-1	0.30	369	37	0.15	---
NG18-S	0.15	274	27	ND	---
NG18-1	0.30	71	7.8	ND	---
NG19-S	0.15	16	1.8	---	---
NG19-1	0.30	20	---	---	---
NG19-2	0.60	4.2	---	---	7.41
NG20-S	0.15	4460	---	---	---
NG20-1	0.45	473	91	1.2	---
NG21-S	0.15	64	5.3	ND	---
NG21-1	0.30	55	3.7	---	---
NG21-2	0.60	48	---	---	---
NG22-S	0.15	2150	---	---	---
NG22-1	0.30	425	90	0.18	---
NG22-2	0.60	338	45	0.15	---
NG23-S	0.15	1120	---	1.3	---
NG23-1	0.30	555	35	0.28	6.94
NG23-1.5	0.60	414	30	0.24	---

Note:

mg/kg = milligrams per kilogram
mg/l = milligrams per liter
--- = analysis not performed
EPA = United States Environmental Protection Agency

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Digested: 09/25/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-001	NG1-S	EPA 6010 (Lead)	09/25/00	149	Soil, mg/kg	0.25	0.25	DJ
46820-002	NG1-1	EPA 6010 (Lead)	09/25/00	21	Soil, mg/kg	0.25	0.25	DJ
46820-003	NG1-2	EPA 6010 (Lead)	09/25/00	12	Soil, mg/kg	0.25	0.25	DJ
46820-004	NG2-S	EPA 6010 (Lead)	09/25/00	452	Soil, mg/kg	0.25	0.25	DJ
46820-005	NG2-1	EPA 6010 (Lead)	09/25/00	57	Soil, mg/kg	0.25	0.25	DJ
46820-006	NG2-2	EPA 6010 (Lead)	09/25/00	16	Soil, mg/kg	0.25	0.25	DJ
46820-007	NG3-S	EPA 6010 (Lead)	09/25/00	23	Soil, mg/kg	0.25	0.25	DJ
46820-008	NG3-1	EPA 6010 (Lead)	09/25/00	78	Soil, mg/kg	0.25	0.25	DJ
46820-009	NG3-2	EPA 6010 (Lead)	09/25/00	300	Soil, mg/kg	0.25	0.25	DJ
46820-010	NG4-S	EPA 6010 (Lead)	09/25/00	56	Soil, mg/kg	0.25	0.25	DJ
46820-010Dup	NG4-S	EPA 6010 (Lead)	09/25/00	61	Soil, mg/kg	0.25	0.25	DJ
46820-011	NG4-1	EPA 6010 (Lead)	09/25/00	32	Soil, mg/kg	0.25	0.25	DJ
46820-012	NG4-2	EPA 6010 (Lead)	09/25/00	25	Soil, mg/kg	0.25	0.25	DJ
46820-013	NG5-S	EPA 6010 (Lead)	09/25/00	315	Soil, mg/kg	0.25	0.25	DJ
46820-014	NG5-1	EPA 6010 (Lead)	09/25/00	208	Soil, mg/kg	0.25	0.25	DJ
46820-015	NG5-2	EPA 6010 (Lead)	09/25/00	133	Soil, mg/kg	0.25	0.25	DJ
46820-016	NG6-S	EPA 6010 (Lead)	09/25/00	520	Soil, mg/kg	0.25	0.25	DJ
46820-017	NG6-1	EPA 6010 (Lead)	09/25/00	705	Soil, mg/kg	0.25	0.25	DJ
46820-018	NG6-2	EPA 6010 (Lead)	09/25/00	1160	Soil, mg/kg	0.25	0.25	DJ
46820-019	NG7-S	EPA 6010 (Lead)	09/25/00	656	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 9/27/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Digested: 09/25/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-020	NG7-1	EPA 6010 (Lead)	09/25/00	98	Soil, mg/kg	0.25	0.25	DJ
46820-020Dup	NG7-1	EPA 6010 (Lead)	09/25/00	115	Soil, mg/kg	0.25	0.25	DJ
46820-021	NG7-2	EPA 6010 (Lead)	09/25/00	181	Soil, mg/kg	0.25	0.25	DJ
46820-022	NG8-S	EPA 6010 (Lead)	09/25/00	772	Soil, mg/kg	0.25	0.25	DJ
46820-023	NG8-1	EPA 6010 (Lead)	09/25/00	255	Soil, mg/kg	0.25	0.25	DJ
46820-024	NG8-2	EPA 6010 (Lead)	09/25/00	114	Soil, mg/kg	0.25	0.25	DJ
46820-025	NG9-S	EPA 6010 (Lead)	09/25/00	1900	Soil, mg/kg	0.25	0.25	DJ
46820-026	NG9-1	EPA 6010 (Lead)	09/25/00	265	Soil, mg/kg	0.25	0.25	DJ
46820-027	NG9-2	EPA 6010 (Lead)	09/25/00	86	Soil, mg/kg	0.25	0.25	DJ
46820-028	NG10-S	EPA 6010 (Lead)	09/25/00	842	Soil, mg/kg	0.25	0.25	DJ
46820-029	NG11-S	EPA 6010 (Lead)	09/25/00	1970	Soil, mg/kg	0.25	0.25	DJ
46820-030	NG11-1	EPA 6010 (Lead)	09/25/00	256	Soil, mg/kg	0.25	0.25	DJ
46820-030Dup	NG11-1	EPA 6010 (Lead)	09/25/00	305	Soil, mg/kg	0.25	0.25	DJ
46820-031	NG11-2	EPA 6010 (Lead)	09/25/00	73	Soil, mg/kg	0.25	0.25	DJ
46820-032	NG12-S	EPA 6010 (Lead)	09/25/00	266	Soil, mg/kg	0.25	0.25	DJ
46820-033	NG12-1	EPA 6010 (Lead)	09/25/00	10	Soil, mg/kg	0.25	0.25	DJ
46820-034	NG12-2	EPA 6010 (Lead)	09/25/00	19	Soil, mg/kg	0.25	0.25	DJ
46820-035	NG13-S	EPA 6010 (Lead)	09/25/00	1440	Soil, mg/kg	0.25	0.25	DJ
46820-036	NG13-1	EPA 6010 (Lead)	09/25/00	11	Soil, mg/kg	0.25	0.25	DJ
46820-037	NG13-2	EPA 6010 (Lead)	09/25/00	9.6	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 9/27/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Digested: 09/25/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-038	NG14-S	EPA 6010 (Lead)	09/25/00	455	Soil, mg/kg	0.25	0.25	DJ
46820-039	NG14-1	EPA 6010 (Lead)	09/25/00	57	Soil, mg/kg	0.25	0.25	DJ
46820-040	NG14-2	EPA 6010 (Lead)	09/25/00	7.4	Soil, mg/kg	0.25	0.25	DJ
46820-040Dup	NG14-2	EPA 6010 (Lead)	09/25/00	7.5	Soil, mg/kg	0.25	0.25	DJ
46820-041	NG15-S	EPA 6010 (Lead)	09/25/00	204	Soil, mg/kg	0.25	0.25	DJ
46820-042	NG15-1	EPA 6010 (Lead)	09/25/00	162	Soil, mg/kg	0.25	0.25	DJ
46820-043	NG15-2	EPA 6010 (Lead)	09/25/00	139	Soil, mg/kg	0.25	0.25	DJ
46820-044	NG16-S	EPA 6010 (Lead)	09/25/00	1890	Soil, mg/kg	0.25	0.25	DJ
46820-045	NG17-S	EPA 6010 (Lead)	09/25/00	545	Soil, mg/kg	0.25	0.25	DJ
46820-046	NG17-1	EPA 6010 (Lead)	09/25/00	369	Soil, mg/kg	0.25	0.25	DJ
46820-047	NG18-S	EPA 6010 (Lead)	09/25/00	274	Soil, mg/kg	0.25	0.25	DJ
46820-048	NG18-1	EPA 6010 (Lead)	09/25/00	71	Soil, mg/kg	0.25	0.25	DJ
46820-049	NG19-S	EPA 6010 (Lead)	09/25/00	16	Soil, mg/kg	0.25	0.25	DJ
46820-050	NG19-1	EPA 6010 (Lead)	09/25/00	20	Soil, mg/kg	0.25	0.25	DJ
46820-050Dup	NG19-1	EPA 6010 (Lead)	09/25/00	18	Soil, mg/kg	0.25	0.25	DJ
46820-051	NG19-2	EPA 6010 (Lead)	09/25/00	4.2	Soil, mg/kg	0.25	0.25	DJ
46820-052	NG20-S	EPA 6010 (Lead)	09/25/00	4460	Soil, mg/kg	0.25	0.25	DJ
46820-053	NG20-1	EPA 6010 (Lead)	09/25/00	473	Soil, mg/kg	0.25	0.25	DJ
46820-054	NG21-S	EPA 6010 (Lead)	09/25/00	64	Soil, mg/kg	0.25	0.25	DJ
46820-055	NG21-1	EPA 6010 (Lead)	09/25/00	55	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ **Date:** 9/27/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Digested: 09/25/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-056	NG21-2	EPA 6010 (Lead)	09/25/00	48	Soil, mg/kg	0.25	0.25	DJ
46820-057	NG22-S	EPA 6010 (Lead)	09/25/00	2150	Soil, mg/kg	0.25	0.25	DJ
46820-058	NG22-1	EPA 6010 (Lead)	09/25/00	425	Soil, mg/kg	0.25	0.25	DJ
46820-059	NG22-2	EPA 6010 (Lead)	09/25/00	338	Soil, mg/kg	0.25	0.25	DJ
46820-060	NG23-S	EPA 6010 (Lead)	09/25/00	1120	Soil, mg/kg	0.25	0.25	DJ
46820-060Dup	NG23-S	EPA 6010 (Lead)	09/25/00	792	Soil, mg/kg	0.25	0.25	DJ
46820-061	NG23-1	EPA 6010 (Lead)	09/25/00	555	Soil, mg/kg	0.25	0.25	DJ
46820-062	NG23-1.5	EPA 6010 (Lead)	09/25/00	414	Soil, mg/kg	0.25	0.25	DJ
46820-062Dup	NG23-1.5	EPA 6010 (Lead)	09/25/00	307	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 9/27/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Extracted: 09/27/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-001	NG1-S	EPA 7420 (Lead)	09/29/00	12	STLC Extract, mg/L	0.15	0.15	NS
46820-003	NG1-2	EPA 7420 (Lead)	09/29/00	0.8	STLC Extract, mg/L	0.15	0.15	NS
46820-004	NG2-S	EPA 7420 (Lead)	09/29/00	14	STLC Extract, mg/L	0.15	0.15	NS
46820-005	NG2-1	EPA 7420 (Lead)	09/29/00	10	STLC Extract, mg/L	0.15	0.15	NS
46820-008	NG3-1	EPA 7420 (Lead)	09/29/00	10	STLC Extract, mg/L	0.15	0.15	NS
46820-009	NG3-2	EPA 7420 (Lead)	09/29/00	25	STLC Extract, mg/L	0.15	0.30	NS
46820-010	NG4-S	EPA 7420 (Lead)	09/29/00	6.4	STLC Extract, mg/L	0.15	0.15	NS
46820-012	NG4-2	EPA 7420 (Lead)	09/29/00	1.9	STLC Extract, mg/L	0.15	0.15	NS
46820-013	NG5-S	EPA 7420 (Lead)	09/29/00	39	STLC Extract, mg/L	0.15	0.45	NS
46820-014	NG5-1	EPA 7420 (Lead)	09/29/00	9.9	STLC Extract, mg/L	0.15	0.15	NS
46820-014Dup	NG5-1	EPA 7420 (Lead)	09/29/00	8.6	STLC Extract, mg/L	0.15	0.15	NS
46820-015	NG5-2	EPA 7420 (Lead)	09/29/00	9.5	STLC Extract, mg/L	0.15	0.15	NS
46820-016	NG6-S	EPA 7420 (Lead)	09/29/00	44	STLC Extract, mg/L	0.15	0.75	NS
46820-017	NG6-1	EPA 7420 (Lead)	09/29/00	45	STLC Extract, mg/L	0.15	0.45	NS
46820-019	NG7-S	EPA 7420 (Lead)	09/29/00	45	STLC Extract, mg/L	0.15	0.45	NS
46820-020	NG7-1	EPA 7420 (Lead)	09/29/00	10	STLC Extract, mg/L	0.15	0.15	NS
46820-021	NG7-2	EPA 7420 (Lead)	09/29/00	11	STLC Extract, mg/L	0.15	0.15	NS
46820-022	NG8-S	EPA 7420 (Lead)	09/29/00	72	STLC Extract, mg/L	0.15	0.75	NS
46820-023	NG8-1	EPA 7420 (Lead)	09/29/00	22	STLC Extract, mg/L	0.15	0.30	NS
46820-024	NG8-2	EPA 7420 (Lead)	09/29/00	8.8	STLC Extract, mg/L	0.15	0.15	NS
46820-026	NG9-1	EPA 7420 (Lead)	09/29/00	25	STLC Extract, mg/L	0.15	0.30	NS
46820-026Dup	NG9-1	EPA 7420 (Lead)	09/29/00	22	STLC Extract, mg/L	0.15	0.30	NS

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 10/6/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Extracted: 09/27/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-027	NG9-2	EPA 7420 (Lead)	09/29/00	14	STLC Extract, mg/L	0.15	0.15	NS
46820-028	NG10-S	EPA 7420 (Lead)	09/29/00	99	STLC Extract, mg/L	0.15	1.2	NS
46820-030	NG11-1	EPA 7420 (Lead)	09/29/00	22	STLC Extract, mg/L	0.15	0.30	NS
46820-031	NG11-2	EPA 7420 (Lead)	09/29/00	7.5	STLC Extract, mg/L	0.15	0.15	NS
46820-032	NG12-S	EPA 7420 (Lead)	09/29/00	17	STLC Extract, mg/L	0.15	0.30	NS
46820-033	NG12-1	EPA 7420 (Lead)	09/29/00	1.3	STLC Extract, mg/L	0.15	0.15	NS
46820-036	NG13-1	EPA 7420 (Lead)	09/29/00	2.1	STLC Extract, mg/L	0.15	0.15	NS
46820-038	NG14-S	EPA 7420 (Lead)	09/29/00	36	STLC Extract, mg/L	0.15	0.45	NS
46820-039	NG14-1	EPA 7420 (Lead)	09/29/00	4	STLC Extract, mg/L	0.15	0.15	NS
46820-040	NG14-2	EPA 7420 (Lead)	09/29/00	1	STLC Extract, mg/L	0.15	0.15	NS
46820-040Dup	NG14-2	EPA 7420 (Lead)	09/29/00	1.1	STLC Extract, mg/L	0.15	0.15	NS
46820-041	NG15-S	EPA 7420 (Lead)	09/29/00	23	STLC Extract, mg/L	0.15	0.30	NS
46820-042	NG15-1	EPA 7420 (Lead)	09/29/00	19	STLC Extract, mg/L	0.15	0.30	NS
46820-043	NG15-2	EPA 7420 (Lead)	09/29/00	17	STLC Extract, mg/L	0.15	0.30	NS
46820-045	NG17-S	EPA 7420 (Lead)	09/29/00	63	STLC Extract, mg/L	0.15	0.75	NS
46820-046	NG17-1	EPA 7420 (Lead)	09/29/00	37	STLC Extract, mg/L	0.15	0.45	NS
46820-047	NG18-S	EPA 7420 (Lead)	09/29/00	27	STLC Extract, mg/L	0.15	0.30	NS
46820-048	NG18-1	EPA 7420 (Lead)	09/29/00	7.8	STLC Extract, mg/L	0.15	0.15	NS
46820-049	NG19-S	EPA 7420 (Lead)	09/29/00	1.8	STLC Extract, mg/L	0.15	0.15	NS
46820-053	NG20-1	EPA 7420 (Lead)	09/29/00	91	STLC Extract, mg/L	0.15	1.2	NS
46820-054	NG21-S	EPA 7420 (Lead)	09/29/00	5.3	STLC Extract, mg/L	0.15	0.15	NS
46820-054Dup	NG21-S	EPA 7420 (Lead)	09/29/00	4.3	STLC Extract, mg/L	0.15	0.15	NS

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 10/6/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Tim Leonard

Client's Project: Rte 5 Nobel to Genesee, #8900-06-99

Date Received: 09/20/00
Date Sampled: 09/20/00
Date Extracted: 09/27/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
46820-055	NG21-1	EPA 7420 (Lead)	09/29/00	3.7	STLC Extract, mg/L	0.15	0.15	NS
46820-056	NG21-2	EPA 7420 (Lead)	09/29/00	3.2	STLC Extract, mg/L	0.15	0.15	NS
46820-058	NG22-1	EPA 7420 (Lead)	09/29/00	90	STLC Extract, mg/L	0.15	1.2	NS
46820-059	NG22-2	EPA 7420 (Lead)	09/29/00	45	STLC Extract, mg/L	0.15	0.45	NS
46820-060	NG23-S	EPA 7420 (Lead)	09/29/00	86	STLC Extract, mg/L	0.15	1.2	NS
46820-061	NG23-1	EPA 7420 (Lead)	09/29/00	35	STLC Extract, mg/L	0.15	0.45	NS
46820-062	NG23-1.5	EPA 7420 (Lead)	09/29/00	30	STLC Extract, mg/L	0.15	0.30	NS
46820-062Dup	NG23-1.5	EPA 7420 (Lead)	09/29/00	28	STLC Extract, mg/L	0.15	0.30	NS

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ **Date:** 10/6/00
Eddie Rodriguez
Inorganics Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040