25 March 2005

RO 29

We have re-issued the attached report. The previous version did not accurately plot the well locations — causing an error in the gradient interpretation.

Please replace your previous version with the attached.

Regards

Doug Lovell

STREAMBORN

Douglas W. Lovell, PE
Geoenvironmental Engineer

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R029

Jeffrey M. Eandi
Eandi Metal Works
976 Twenty-Third Avenue
Oakland CA 94606

11 February 2005 (Revised 25 March 2005)

Project No. P279 GW

Letter Report (Revised 25 March 2005)
Groundwater Investigation Conducted 12 August 2004
2440 East Eleventh Street
Oakland CA
RO No. 29

Dear Mr. Eandi:

This letter report describes groundwater investigation activities performed on 12 August 2004 at and around 2440 East Eleventh Street, Oakland CA (Figures 1 and 2). Work was performed in accordance with our workplan dated 28 June 2002 (Streamborn 2002), subsequently revised 12 February 2003 (Streamborn 2003) and approved by Alameda County. Activities included drilling 7 borings and the collection and analysis of soil and groundwater samples. Groundwater samples were also collected from three existing monitoring wells.

BACKGROUND

An environmental chronology for the property is presented in Table 1.

Eandi Metal Works formerly operated three underground tanks. In May 1992, the three underground tanks were removed. Two of the tanks were removed with nondetectable or insignificant levels of contamination, with no further action required by Alameda County Health Care Services. These two tanks were located at the main Eandi property on Twenty-Third Avenue.

The third tank, a 1,000-gallon underground gasoline tank, was removed from an area immediately outside the northeast corner of the building at 2440 East Eleventh Street. TPH-gasoline, benzene, toluene, ethylbenzene, xylenes, and lead were detected in soil from this excavation. The soil was spread nearby the excavation and allowed to aerate for approximately 9 months. The aerated soil was then replaced in the excavation and trench plates were placed over the top of the excavation. The soil in the sidewalls and base of the tank excavation was sampled in June 2004 and the excavation was closed in September 2004 (Streamborn 2004).

In July 1995, five soil borings were drilled in the vicinity of the former 1,000-gallon underground gasoline tank. Three of the borings were completed as monitoring wells (MW1, MW2, and MW3). Two of the borings were within the previous tank excavation (E-1 and E-2).

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Alameda County Health Care Services mandated further exploration to determine the lateral and vertical extent of contamination. A groundwater investigation workplan was initially prepared on 28 June 2002 (Streamborn 2002). ACHCS verbally mandated a revision of boring locations and Streamborn prepared a revised boring location figure (Streamborn 2003). Alameda County Health Care Services approved the revised workplan (ACHCS 2003).

PURPOSE AND SCOPE

The purpose of our work was to determine if releases associated with the former 1,000-gallon underground gasoline tank are impacting groundwater and, if so, also determine the lateral extent of the impact. Our scope of work included the following:

- We drilled seven borings (B1, B2, B3, B4, B5, B6, and B7) to depths between 20 and 32 feet. Soil samples were collected continuously during drilling. Selected samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead.
- 0.75-inch diameter SCH 40 PVC slotted temporary well casing was installed in each borehole and allowed to sit for at least one hour. We subsequently measured water levels and collected groundwater samples. Groundwater samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead.
- The temporary well casings were removed and the borings were grouted.
- Water levels (Table 2) were measured in the three existing monitoring wells (MW-1, MW-2, and MW-3). The water levels were interpreted with respect to gradient direction and magnitude (Figure 5).
- Purged groundwater samples were collected from the three existing monitoring wells. Groundwater samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead.

INVESTIGATION

Prior to initiating fieldwork, we performed the following activities:

- A drilling permit was obtained from the Alameda County Public Works Agency – Water Resources Section (Attachment 3).
- Encroachment permits were obtained from the California Department of Transportation and the City of Oakland – Community and Economic Development Agency (Attachment 3).
- Underground Service Alert (USA) was notified to check for buried utilities at the proposed boring locations.

- A private underground utility locator was retained to clear the proposed boring locations.

Drilling and Soil Sampling

On 12 August 2004, seven borings (B1, B2, B3, B4, B5, B6, and B7) were drilled using direct-push technology. Precision Sampling (Richmond CA) provided drilling services. Boring locations are shown on Figure 3 and a dimensioned boring map is attached.

Soils encountered during drilling typically consisted of fine-grained soil with thin, intermittent coarse-grained lenses. Observed fine-grained soils included lean and fat clay, silt, fat clay with sand, sandy fat clay, and sandy fat clay with gravel. Observed coarse-grained soils included clayey sand with gravel, clayey gravel with sand, silty sand with gravel, well-graded sand with silt and gravel, and poorly-graded sand with clay and gravel. Fine-grained soils predominated near the ground surface while coarse-grained seams were more prevalent at depth.

During drilling, soil samples were collected continuously by driving a split-spoon sampler fitted with acetylene liners. Samples were classified in the field in approximate accordance with ASTM D2488-00 (Standard Practice for Description and Identification of Soils, Visual-Manual Procedure). Samples were examined for chemical odor and chemical staining. As well, the samples were screened in the field with an organic vapor meter (RAE Systems, Model MiniRAE Plus Classic PGM-76, equipped with a 10.6 eV photoionization detector, and calibrated to 100-ppm v/v isobutylene).

Chemical staining, chemical odors, and organic vapors were not detected in any of the borings.

The boring logs and legend are attached.

Groundwater Level Measurements and Groundwater Sampling

After drilling each boring to the total depth, a 0.75-inch diameter SCH 40 PVC slotted temporary well casing was inserted into the borehole. The well casings were left in the borings for at least one hour.

After at least one hour, the depth to water was measured relative to ground surface (Table 7) and each boring was purged and sampled. The temporary well casing was purged using a peristaltic pump and low-flow techniques. Field parameters were measured during purging and recorded at the time of sampling (Table 5).

Existing monitoring wells MW-1, MW-2, and MW-3 were also sampled. Water levels were measured. A submersible pump was used to purge the wells. Field parameters were measured during purging and recorded at the time of sampling (Table 4).

The field data sheets are attached.

Laboratory Analysis

Soil samples were retained for chemical analysis from (1) a depth coincident with the depth that groundwater was first observed during drilling, and (2) the bottom of the boring. Soil samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead (Table 3). Groundwater samples from were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead (Tables 6 and 7).

Laboratory reports and chain-of-custody forms are attached.

Investigation-Derived Waste

Soil cuttings and excess soil samples were removed and stored offsite by the driller; these wastes were later disposed of by the driller. Purge water was containerized in labeled drums and stored onsite. Decontamination wastewater was used in the mixture to grout the borings. The remaining wastes (well casings, excess liners, etc.) were disposed of as municipal waste.

A waste profile for the soil cuttings and excess soil samples is attached.

CONCLUSIONS AND RECOMMENDATIONS

On the basis of the work described herein, we conclude and recommend the following:

- Soils encountered during drilling predominantly consisted of clay with layers of coarse-grained sandy soils. The groundwater table existed at a depth of approximately 11 to 13 feet. The direction of groundwater gradient was N 115° W (west-southwest).
- Analysis of soil samples from borings B1 through B7 drilling revealed nondetectable concentrations of TPH-gasoline, BTEX, and fuel oxygenates. Total lead concentrations were consistent with expected background levels.
- Analysis of groundwater samples in existing monitoring wells revealed elevated concentrations of TPH-gasoline and BTEX; fuel oxygenates and lead concentrations were either very low or nondetect.
- Analysis of groundwater samples in borings revealed low concentrations of TPH-gasoline at B3 and B7; otherwise, TPH-gasoline, BTEX, and fuel oxygenates were nondetect. Total lead concentrations were consistent with expected background levels.
- Using the taste and odor threshold of 100 µg/L TPH-gasoline as a reference, we have estimated the lateral extent of groundwater contamination (Figure 6). Groundwater contamination above this threshold appears confined to a ±1-acre area in the vicinity of the former 1,000-gallon underground gasoline tank. The maximum lateral extent of groundwater above this threshold is approximately 200 feet downgradient of the former tank. These data indicate that natural

attenuation mechanisms are effective in limiting the migration of contaminants.

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Please contact us with any questions or comments.

Sincerely,

STREAMBORN

Douglas W. Lovell, PE
Geoenvironmental Engineer

Attachment

cc: Chuck Hedley/San Francisco Bay RWQCB, Oakland CA
Amir Gholami/Alameda County Health Care Services, Alameda CA

Table 1

Environmental Chronology

2440 East Eleventh Street
Oakland CA

Date	Performed By	Event
Unknown	Unknown	• 1,000-gallon underground leaded gasoline tank installed.
15 August 1991	Eandi Metal Works	• The 1,000-gallon tank was emptied of product. Use of the tank was discontinued.
11 May 1992	Unknown	• The 1,000-gallon tank was removed. • Contamination was discovered.
10 July 1995	AGI Technologies	• Five soil borings were drilled. Soil samples were collected and analyzed for TPH-gasoline, BTEX, MtBE (EPA Method 8020), and total metals. • Three of the borings were completed as monitoring wells (MW-1, MW-2, and MW-3). The other two borings (E-1 and E-2) were grouted. • Water levels were measured in wells MW-1, MW-2, and MW-3. • MW-1, MW-2, and MW-3 were developed and groundwater samples were collected. Samples were analyzed for TPH-gasoline, BTEX, MtBE (EPA Method 8020), and total lead. • Elevation survey was conducted for MW-1, MW-2, and MW-3.
17 July 1995	AGI Technologies	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline, BTEX, MtBE (EPA Method 8020), and total lead.
20 October 1995	AGI Technologies	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline, BTEX, and total lead.
25 January 1996	AGI Technologies	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline, BTEX, MtBE (EPA Method 8020), and total lead.
25 April 1996	AGI Technologies	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline, BTEX, MtBE (EPA Method 8020), and total lead.
11 - 12 June 2001	Kleinfelder	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline, BTEX, and total lead.
5 February 2002	Kleinfelder	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline, BTEX, MtBE (EPA Method 8020), and total lead.
9 June 2004	Streamborn	• Using a backhoe, the excavation for the former tank was partially excavated. • Soil samples were collected from the base (7.5-8 feet below ground surface) and each of the four sidewalls (5-5.5 feet below ground surface) by exposing native soil and driving a 6-inch diameter brass liner into the soil. • Soil samples were laboratory analyzed for TPH-diesel/kerosene/stoddard solvent, TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260), and total lead.
12 August 2004	Streamborn	• Groundwater levels were measured in MW-1, MW-2, and MW-3. • Groundwater samples were collected from MW-1, MW-2, and MW-3. Samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead. • Seven geoprobe borings (B1, B2, B3, B4, B5, B6, and B7) were drilled to depths between 20 and 32 feet). Soil samples were collected continuously in the borings. • Two soil samples were retained from each of the borings for chemical analysis. One soil sample approximately coincided with the depth of groundwater observed during drilling and the other soil sample coincided with the bottom of the boring. Soil samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead. • Temporary casings were installed in the borings and allowed to stabilize for at least one hour. Water levels were measured. • Purged groundwater samples were collected from the temporary casings. Samples were analyzed for TPH-gasoline/BTEX/fuel oxygenates (EPA Method 8260) and total lead. • The temporary casings were removed from the borings and the borings were grouted.
17-23 September 2004	Streamborn	• Using a backhoe, the excavation for the former tank was completely re-excavated. The excavated soil was air-dried and replaced in excavation in ±2-foot lifts. Each lift was compacted using a whacker. Six-inches of imported Class II aggregate base was placed as the last lift of soil. • The pavement and sidewalk were repaved with reinforced concrete. The concrete thickness was 8 inches. The reinforcement was #5 rebar on 12-inch centers.

General Notes

(a) AGI Technologies = AGI Technologies (Bellevue WA).

(b) Kleinfelder = Kleinfelder (Oakland CA).

(c) Streamborn = Streamborn (Berkeley CA).

(d) TPH-gasoline = total petroleum hydrocarbons as gasoline. BTEX = benzene, toluene, xylenes, and total xylenes. MtBE = methyl tert-butyl ether.

Table 2

Groundwater Level and Gradient Data

2440 East Eleventh Street
Oakland CA

Location	MW-1		MW-2		MW-3		Groundwater Gradient	
Ground Surface Elevation	NM		NM		NM			
Measuring Point GPS Coordinates	NM		NM		NM			
Measuring Point Elevation	TOC N Side = 99.90		TOC N Side = 99.57		TOC N Side = 98.45			
	Depth	Elev	Depth	Elev	Depth	Elev		
Intercepted Interval	10 to 20	NM	10 to 20	NM	10 to 20	NM	Direction	Magnitude
14 July 1995	9.72	90.18	10.74	88.83	10.95	87.50	-	-
17 July 1995	11.11	88.79	10.93	88.64	11.04	87 41	-	-
20 October 1995	11.96	87 94	11.92	87.65	12.11	86 34	-	-
25 January 1996	8.14	91.76	8.23	91.34	8.83	89.62	-	-
11-12 June 2001	10.35	89.55	11.50	88.07	11.08	87.37	-	-
5 February 2002	11.00	88.90	11.10	88.47	11.30	87.15	-	-
12 August 2004	10.95	88.95	11.17	88.40	11.77	86 68	N 115° W	0.02
Total Depth (Last Measurement)	19.7		19.8		19.6			

General Notes

(a) Measurements cited in units of feet.

(b) NM = not measured.

(c) TOC = top of PVC casing. N = north Measuring points are the tops of the PVC casing, north side.

(d) Depth to groundwater and total depth measured from the measuring point

(e) Groundwater level measurements in 1995 through 1996 and elevation surveying performed by AGI Technologies (Bellevue WA).

(f) Groundwater level measurements in 2001 and 2002 performed by Kleinfelder (Oakland CA).

(g) Groundwater level measurements since 2004 performed by Streamborn (Berkeley CA).

(h) Elevations referenced to site-specific datum (not Mean Sea Level).

(i) Intercepted intervals correspond to the sand pack interval. Depths of intercepted intervals measured relative to the adjacent pavement or ground surface

Table 3

Soil Analytical Data

2440 East Eleventh Street
Oakland CA

Location	Sample Date	Sample Type	Sample Depth (feet)	TPH-Diesel (mg/kg)	TPH-Kerosene (mg/kg)	TPH-Stoddard Solvent (mg/kg)	TPH-Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	Other Fuel Oxygenates (EPA Method 8260) (mg/kg)	Total Lead (mg/kg)
[illegible]	10 July 1995	Grab (liner)	6	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005 [1]	NM	15.9
		Grab (liner)	12.5	NM	NM	NM	1.4	0.058	0.15	0.059	0.30	0.017 [1]	NM	10.5
[illegible]	10 July 1995	Grab (liner)	12.5	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005 [1]	NM	12.8
Base	9 June 2004	Grab (liner)	7.5-8	<1	<1	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	43
Sidewall NW	9 June 2004	Grab (liner)	5-5.5	<1	<1	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	5.5
Sidewall NE	9 June 2004	Grab (liner)	5-5.5	<1	<1	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	22
Sidewall SW	9 June 2004	Grab (liner)	5-5.5	<1	<1	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	7.9
Sidewall SE	9 June 2004	Grab (liner)	5-5.5	<1	<1	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	42
MW-1	10 July 1995	Grab (liner)	11	NM	NM	NM	45	<0.05	<0.05	0.33	1.5	<0.05	NM	15.6
		Grab (liner)	16	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	NM	10.8
MW-2	10 July 1995	Grab (liner)	11	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	NM	10.7
		Grab (liner)	16	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	NM	11.2
MW-3	10 July 1995	Grab (liner)	11	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	NM	13.5
		Grab (liner)	16	NM	NM	NM	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	NM	9.1
B1	12 August 2004	Grab (liner)	12-12.5	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	2.0
		Grab (liner)	19.5-20	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	3.8
B2	12 August 2004	Grab (liner)	11.5-12	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	6.0
		Grab (liner)	31.5-32	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	5.3
B3	12 August 2004	Grab (liner)	19.5-20	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	4.7
		Grab (liner)	28.5-29	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	10
B4	12 August 2004	Grab (liner)	16-16.5	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	13
		Grab (liner)	19.5-20	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	6.6
B5	12 August 2004	Grab (liner)	11.5-12	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	5.0
		Grab (liner)	27.5-28	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	5.9
B6	12 August 2004	Grab (liner)	11.5-12	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	8.4
		Grab (liner)	23.5-24	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	61
B7	12 August 2004	Grab (liner)	18-18.5	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	11
		Grab (liner)	19.5-20	NM	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.01	5.1

General Notes

(a) TPH = Total petroleum hydrocarbons. MtBE = methyl-tert-butyl ether.

(b) 10 July 1995 samples were collected by AGI Technologies (Bellevue WA), 2004 samples were collected by Streamborn (Berkeley CA).

(c) 10 July 1995 samples were analyzed by Anametrix Laboratories (San Jose CA), 2004 samples were analyzed by STL San Francisco (Pleasanton CA).

(d) Depth measured from adjacent ground or pavement surface

(e) NM = not measured

Footnote

(1) For the 10 July 1995 samples, MtBE was analyzed by EPA Method 8020 and other fuel oxygenates were not analyzed for.

Table 4

Well Purging and Sampling Information Since 2001

2440 East Eleventh Street
Oakland CA

Well No.	Sample Date	Sample Time	Purge Method	Purge Duration (minutes)	Approximate Volume Purged (gallons)	Volume Purged (static water casing volumes)	Purged Dry?	Dissolved Oxygen (mg/L)	pH	Specific Conductance (µS/cm)	Temp (°C)	ORP (mV)	Turbidity/ Color
MW1	11 Jun 01	NM	Purge Pump	NM	20	NC	no	NM	6.8	310	21.4	NM	NM
	5 Feb 02	NM	Purge Pump	NM	4	NC	no	NM	6.6	290	18.8	NM	NM
	12 Aug 04	12:40	Submersible Pump	4	5	±3	no	1.1	7.0	230	18.8	-130	Clear/none
MW2	12 Jun 01	NM	Purge Pump	NM	15	NC	no	NM	7.1	430	17.2	NM	NM
	5 Feb 02	NM	Purge Pump	NM	4	NC	no	NM	6.6	400	16.8	NM	NM
	12 Aug 04	12:09	Submersible Pump	4	5	±3	no	2.0	6.8	510	18.9	-170	Turbid/grey
MW3	12 Jun 01	NM	Purge Pump	NM	12	NC	no	NM	7.4	440	17.2	NM	NM
	5 Feb 02	NM	Purge Pump	NM	4	NC	no	NM	6.6	410	17 8	NM	NM
	12 Aug 04	11:15	Submersible Pump	8	4	±3	no	1.7	6.6	440	19.0	-150	Clear/None

General Notes

(a) NM = not measured.

(b) NC = not calculated.

(c) ORP = oxygen-reduction potential.

(d) Measurements prior to 2004 by Kleinfelder (Oakland CA).

(e) Measurements since 2004 by Streamborn (Berkeley CA).

Table 5

Groundwater Purging and Sampling Information for Borings

2440 East Eleventh Street
Oakland CA

Boring No.	Sample Date	Sample Time	Purge Method	Purge Duration (minutes)	Approximate Volume Purged (gallons)	Volume Purged (static water casing volumes)	Purged Dry?	Dissolved Oxygen (mg/L)	pH	Specific Conductance (µS/cm)	Temp (°C)	ORP (mV)	Turbidity/ Color
B1	12 Aug 04	2:00	Peristaltic Pump	35	3	9.3	No	3.8	6.7	530	17.8	89	Clear/none
B2	12 Aug 04	4:10	Peristaltic Pump	60	4	6.0	Yes	4.7	6.2	380	18.8	140	Translucent/ brown
B3	12 Aug 04	8:40	Peristaltic Pump	40	3	3.8	Yes	3.8	6.7	460	17.2	180	Turbid/ brown
B4	12 Aug 04	5:00	Peristaltic Pump	29	2	83	No	3.4	6.5	460	18.9	190	Clear/none
B5	12 Aug 04	7:00	Peristaltic Pump	20	1.5	2.5	Yes	2.2	6.3	440	19.9	-270	Opaque/ brown
B6	12 Aug 04	6:00	Peristaltic Pump	38	3	7.1	No	2.4	6.1	440	20.0	-140	Translucent/ brown
B7	12 Aug 04	7:53	Peristaltic Pump	23	1.5	5.4	Yes	1.6	6.1	600	19.9	140	Turbid/ brown

General Notes

(a) ORP = oxygen-reduction potential.

(b) Sampling performed by Streamborn (Berkeley CA).

(c) Purging performed using low-flow procedures.

Table 6

Groundwater Analytical Data from Monitoring Wells

2440 East Eleventh Street
Oakland CA

Location	Sample Date	Sample Type	Total Lead (µg/L)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Other Fuel Oxygenates (EPA Method 8260) (µg/L)
MW-1	17 Jul 1995	Grab	<40	22,000	390	2,000	800	5,300	<125	NM
	20 Oct 1995	Grab	<40	14,000	270	540	360	1,800	NM	NM
	25 Jan 1996	Grab	<40	16,000	740	1,300	490	2,700	<500	NM
	25 Apr 1996	Grab	<40	4,600	180	450	190	1,000	<250	NM
	11 Jun 2001	Grab	14	7,100	14	35	240	720	NM	NM
	5 Feb 2002	Grab	3.7	9,300	6.3	11	230	560	<0.7	NM
	12 Aug 2004	Grab	<5	2,900	9.1	6.0	130	160	0.72	<0.5 to <5
MW-2	17 Jul 1995	Grab	56.4	21,000	370	1,700	930	5,100	<125	NM
	20 Oct 1995	Grab	<40	730	18	27	26	7.9	NM	NM
	25 Jan 1996	Grab	<40	14,000	74	660	1,000	2,600	670	NM
	25 Apr 1996	Grab	<40	13,000	370	440	1,000	2,900	<500	NM
	12 Jun 2001	Grab	7.7	3,200	11	6.2	170	270	NM	NM
	5 Feb 2002	Grab	3.5	2,900	7.6	3.8	220	160	<0.7	NM
	12 Aug 2004	Grab	<5	3,100	2.6	1.8	<0.5	13	<0.5	<0.5 to <5
MW-3	17 Jul 1995	Grab	153	8,400	1,200	150	1,000	1,700	<125	NM
	20 Oct 1995	Grab	<40	5,800	600	590	43	340	NM	NM
	25 Jan 1996	Grab	<40	10,000	1,200	290	870	1,300	<250	NM
	25 Apr 1996	Grab	<40	8,900	830	140	1,000	1,000	400	NM
	12 Jun 2001	Grab	7.4	1,800	37	4.5	98	19	NM	NM
	5 Feb 2002	Grab	4.4	1,100	32	2.1	76	9.5	<0.5	NM
	12 Aug 2004	Grab	<5	1,100	4.5	<0.5	6.0	1.8	1.4	<0.5 to <5

General Notes

(a) TPH = total petroleum hydrocarbons.

(b) 1995-1996 samples were collected by AGI Technologies (Bellevue WA).

(c) 2001 and 2002 samples were collected by Kleinfelder, Inc (Oakland CA).

(d) Samples since 2004 were collected by Streamborn (Berkeley CA).

(e) Samples since 2004 were analyzed by STL San Francisco (Pleasanton CA).

(f) NM = not measured

(g) 2002 and later MtBE samples analyzed by EPA Method 8260. 1995 and 1995 MtBE samples were analyzed by EPA Method 8020.

Table 7

Groundwater Analytical Data from Borings

2440 East Eleventh Street
Oakland CA

Location	Sample Date	Water Depth (feet)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Other Fuel Oxygenates (EPA Method 8260b) (µg/L)	Total Lead (µg/L)
B1	12 August 2004	10.7	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	26
B2	12 August 2004	13.0	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	71
B3	12 August 2004	11.2	58 (1)	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	12
B4	12 August 2004	12.5	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	<5
B5	12 August 2004	12.3	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	180
B6	12 August 2004	12.6	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	83
B7	12 August 2004	12.9	81 (1)	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5 to <5	83

General Notes

(a) TPH = total petroleum hydrocarbons.

(b) MtBE = methyl tert-butyl ether.

(c) Samples collected by Streamborn (Berkeley CA).

(d) Samples analyzed by STL San Francisco (Pleasanton CA).

(e) Samples consisted of grab samples from within temporary casings collected using a teflon bailer. Low-flow purge techniques were employed.

(f) Depth to water measured relative to the adjacent ground surface after placing the temporary casing in the boring and waiting at least one hour.

Footnote

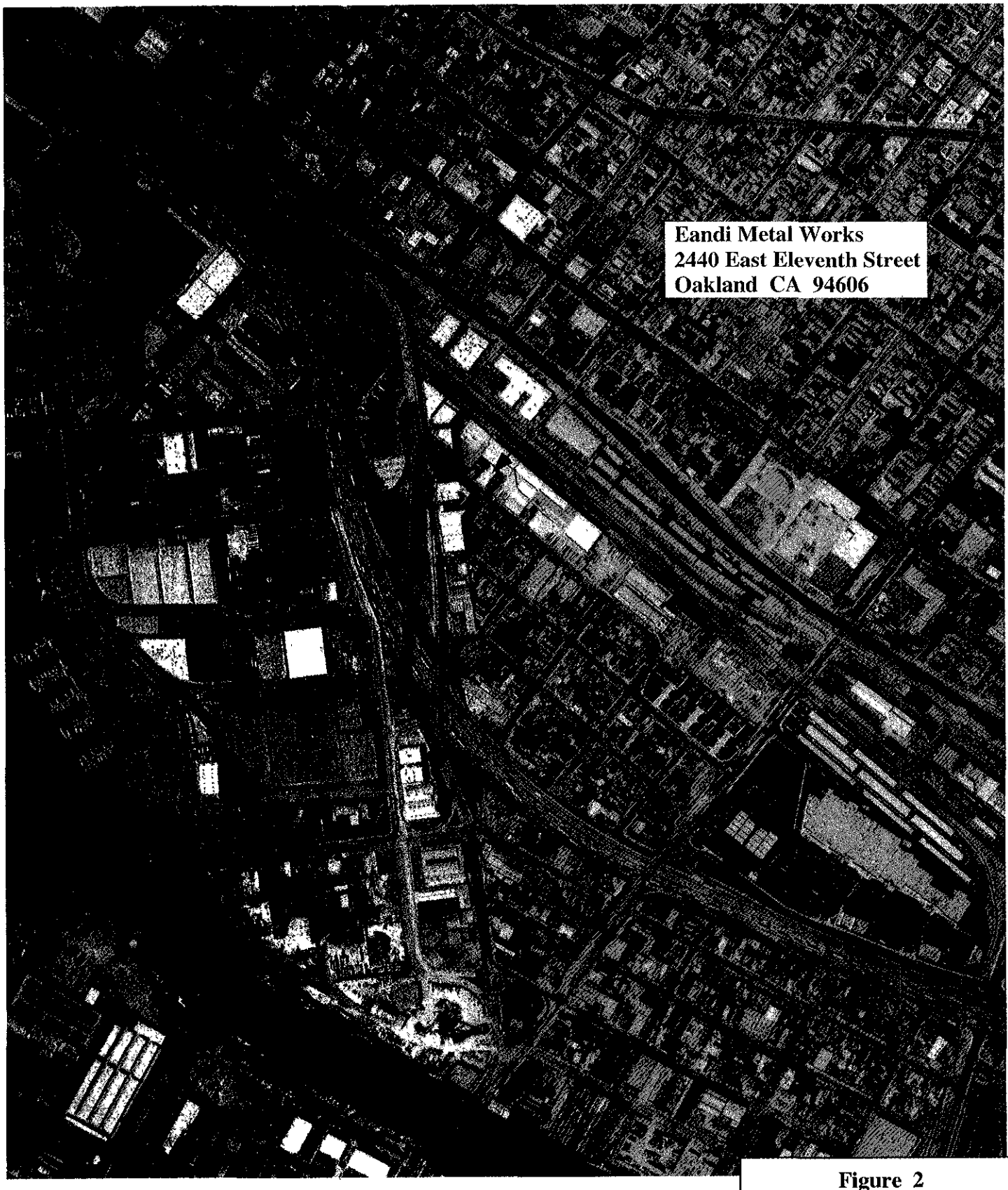
(1) The laboratory reported that the sample result did not match the standard.

Figure 1

Location Map

2440 East Eleventh Street
Oakland CA

STREAMBORN



N

0 100 200

Approximate Scale in Feet

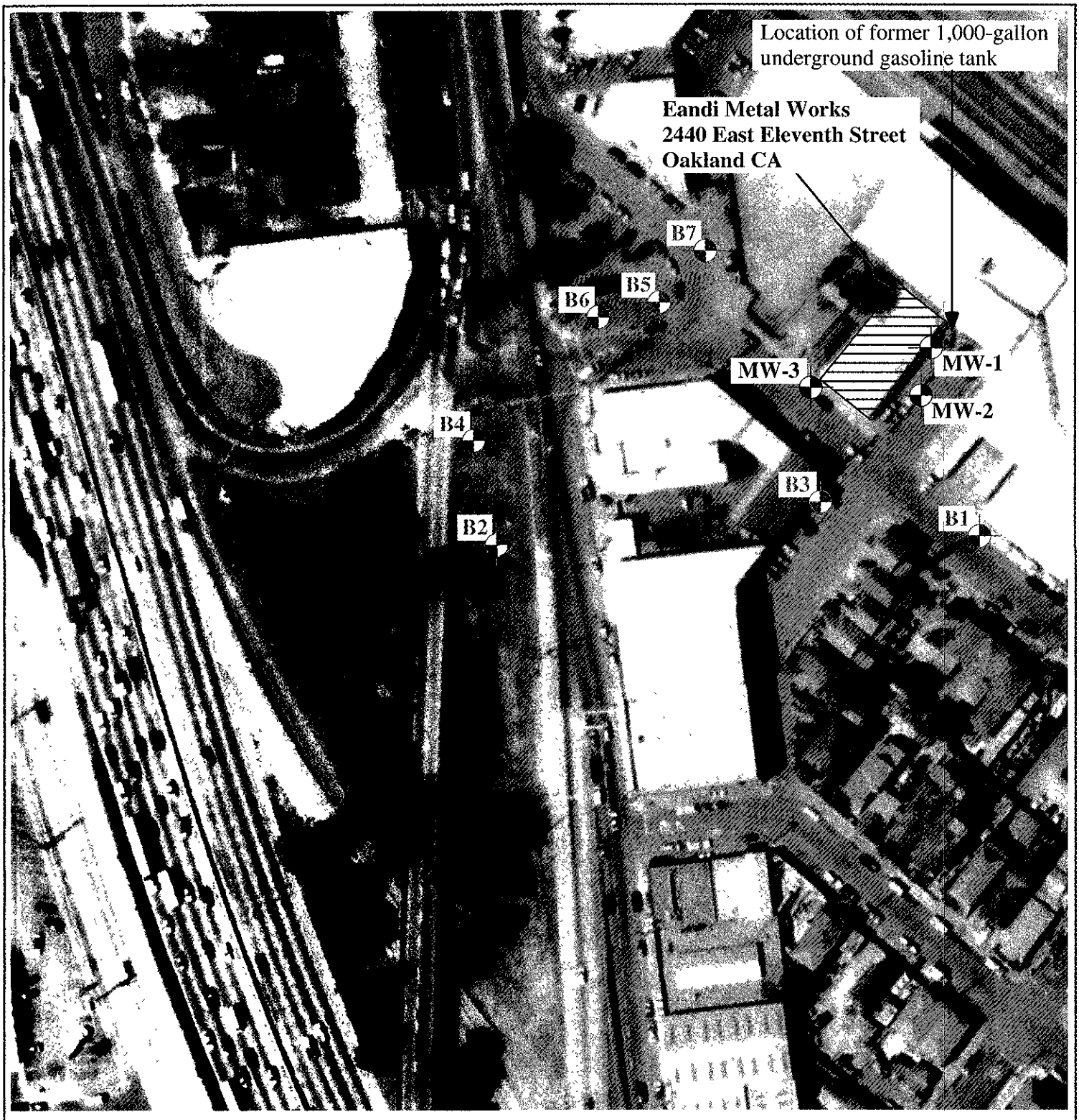
Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

Figure 2

Vicinity Map

2440 East Eleventh Street
Oakland CA

STREAMBORN



Legend

Monitoring well

Direct-push boring

N

0 100 200

Approximate Scale in Feet

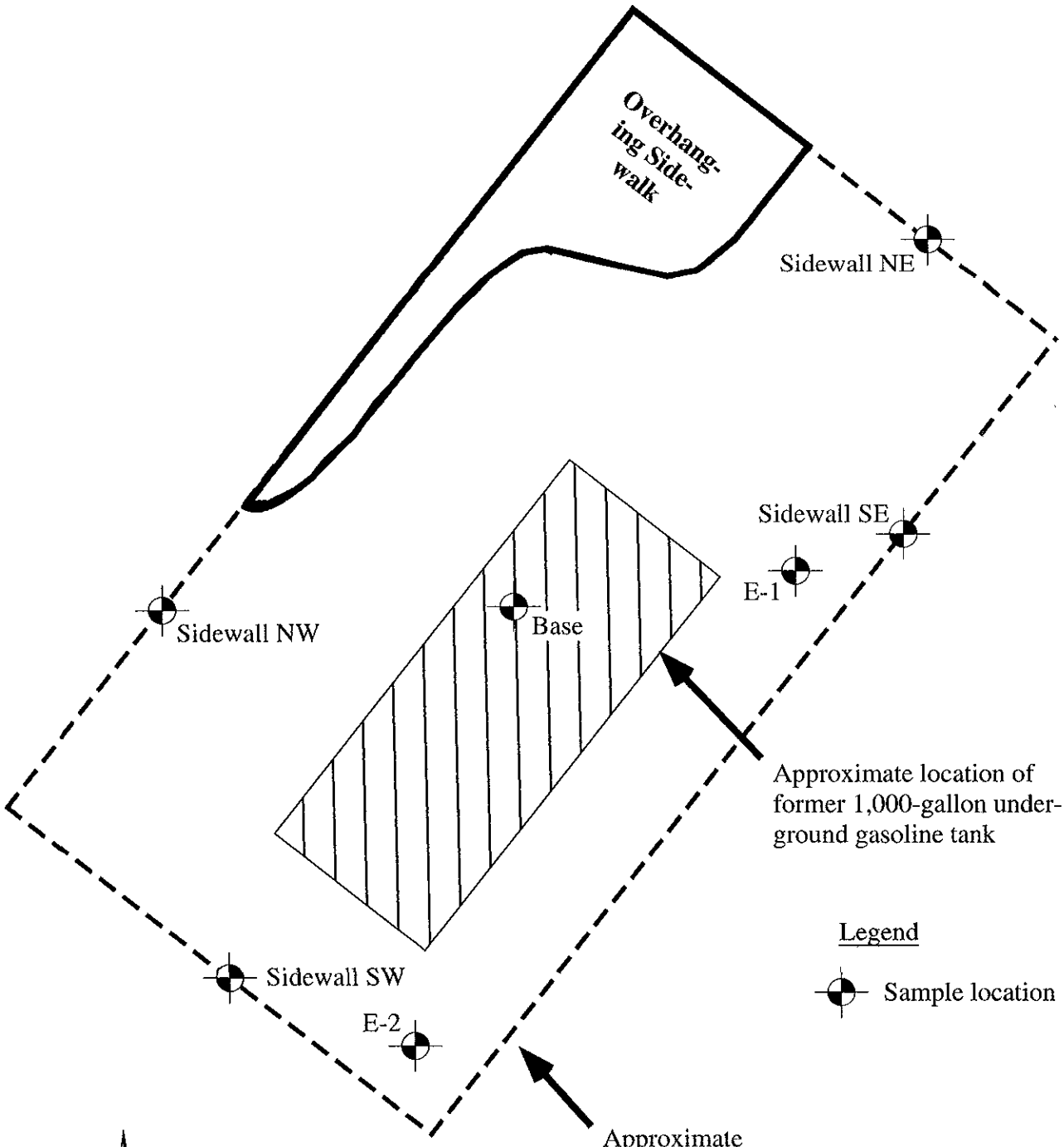
Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

Figure 3

Site Plan

2440 East Eleventh Street Oakland CA

STREAMBORN



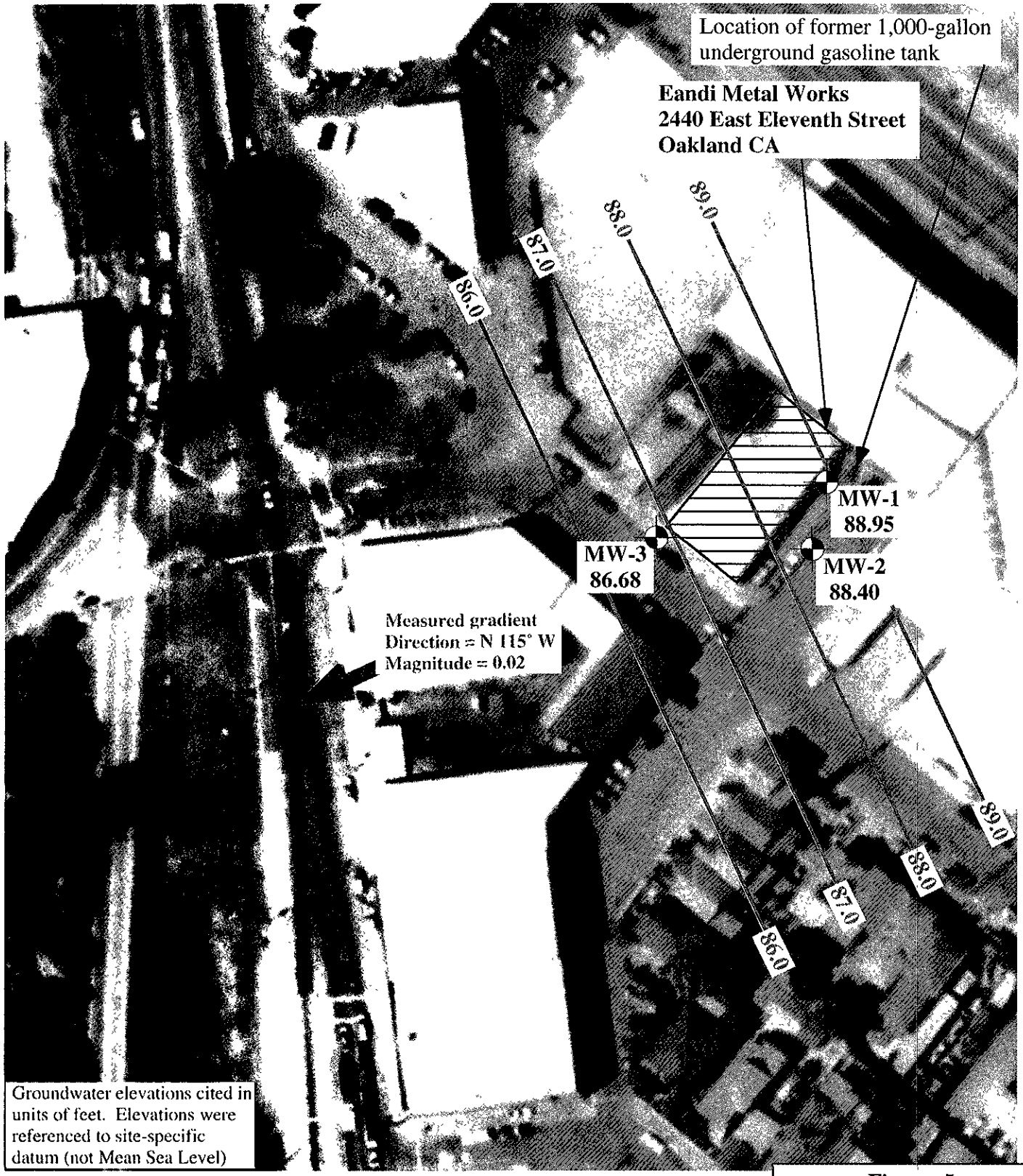
Note: This figure is based on field measurements made by Streamborn on 9 June 2004. The measurements should be considered approximate.

Figure 4

Excavation Sampling Locations

2440 East Eleventh Lane Oakland CA

STREAMBORN



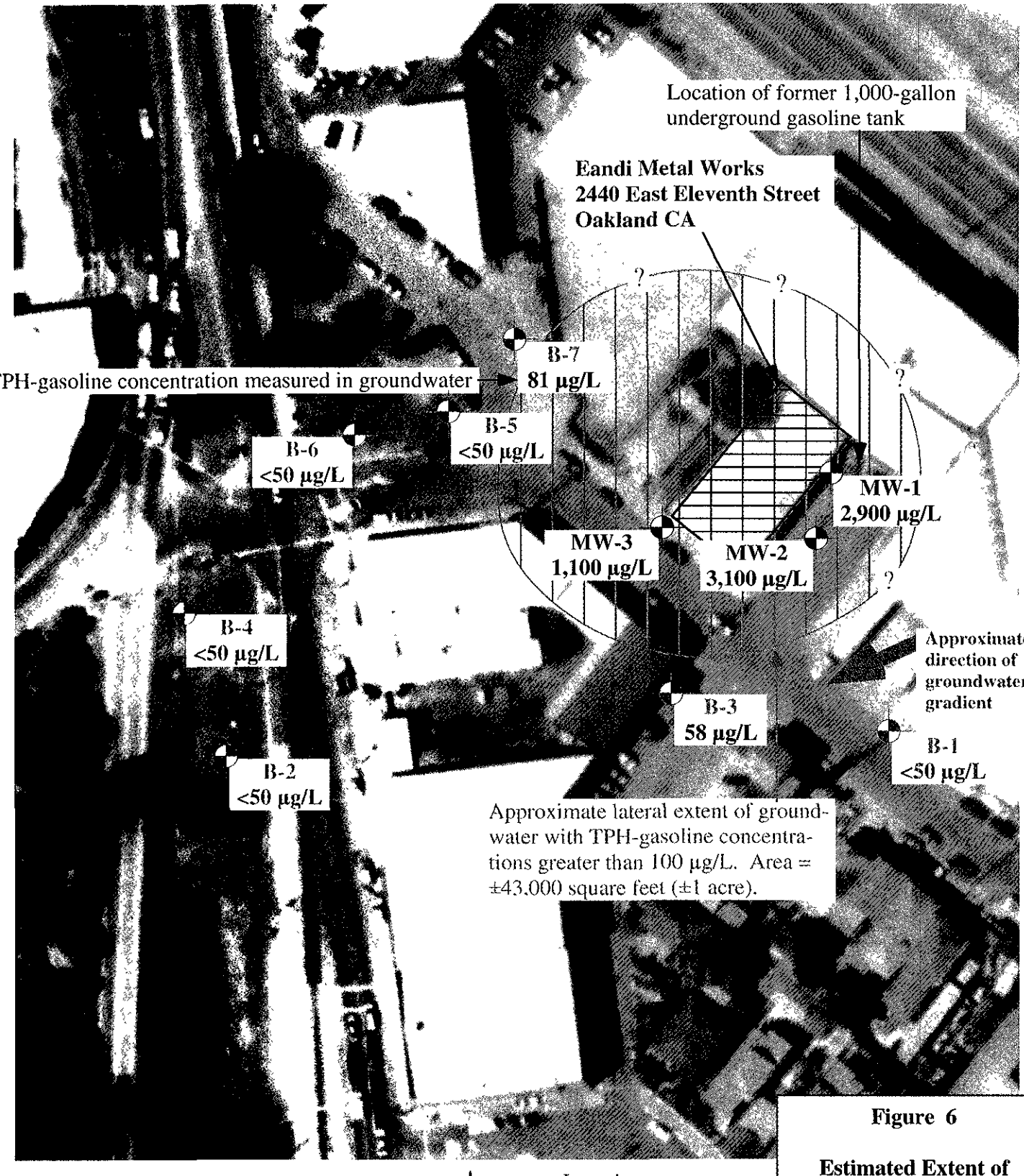
Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

Figure 5

Groundwater Levels and Gradient (12 August 2004)

2440 East Eleventh Street Oakland CA

STREAMBORN



Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

Figure 6

Estimated Extent of Contamination in Groundwater (August 2004)

2440 East Eleventh Street Oakland CA

STREAMBORN

ATTACHMENT 1

Boring Logs and Legend

BORING LOG LEGEND AND NOTES

Soil Classification

Soils were classified in the field in approximate accordance with ASTM D 2488-00 (Standard Practice for Description and Identification of Soils, Visual-Manual Procedure).

Textural classifications represent the opinion of the field geologist or field engineer regarding the nature and character of encountered materials. Proportions of textural categories (gravel, sand, silt, clay) cited on the logs should be considered approximate. Laboratory classification tests were not performed to verify the field classifications. In general, mixtures of soil types and gradual transitions between soil types may more accurately represent the subsurface materials, instead of the distinct divisions depicted on the logs. Soils were necessarily classified only at depths where samples were examined; extrapolation to other depths, as depicted on the logs, adds uncertainty.

Textural Classification

Lean Clay (CL), Sandy Lean Clay (CL), Lean Clay with Sand (CL), Lean Clay with Gravel (CL), Fat Clay (CH), Sandy Fat Clay (CH), Sandy Fat Clay with Gravel (CH), Fat Clay with Sand (CH), Fat Clay with Gravel (CH).

Silty Sand with Gravel (SM), Well-Graded Sand with Silt and Gravel (SW-SM).

Silt (ML), Sandy Silt (ML), Silt with Sand (ML).

Clayey Sand with Gravel (SC), Well-Graded Sand with Clay and Gravel (SW-SC), Poorly-Graded Sand with Clay and Gravel (SP-SC), Well-Graded Gravel with Clay and Sand (GW-GC), Clayey Gravel with Sand (GP-GC).

Textural Transitions

– – – – – – – Observed or inferred location of contact between soil types

Sampling

Sampling Interval

General Notes and References

(a) OVM (ppm v/v) = Measurement by field organic vapor monitor in ppm volume/volume. Measurements performed using Thermo Environmental Instruments Model 580B OVM, 10.0 eV photoionization detector, calibrated to 100 ppm v/v isobutylene. Measurements performed by screening the ends of the freshly cut liners. Value cited on log represents the maximum reading obtained at either end of the liner.

(b) Depths measured from the adjacent pavement or ground surface.

(c) 2003 Annual Book of ASTM Standards, Volume 04.08, Soil and Rock (1): D 420 - D 5770. American Society of Testing and Materials, Philadelphia PA. 2001.

Boring No. B1 (Page 1 of 2)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.785' W 122° 14.137'	Logged By	Matthew B. Hall STREAMBORN (Berkeley CA)
Location	Boring on north side of 11th Street, approximately 125 feet south of 25th Avenue intersection.	Project No.	P279 GW
Elevation	Not measured	Start Finish	8:00 am, 12 August 2004 9:00 am, 12 August 2004
Drill Method	Direct-push (Geoprobe)	Driller	Precision Sampling(Ernesto)
Drill Rig	6610 DT Portable	Drilled Depth	± 20 feet
Completion	Backfilled with grout	Groundwater (during drilling)	± 12 feet
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 10.7 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Asphalt.	
						Fill. No staining, no odor. Drilled using hand auger.	<5
1.0							
2.0						Lean Clay (CL). Dry, gray. Moderate plasticity, moderate dilatancy. <10% fine grained sand. No staining, no odor. Drilled using hand auger.	<5
3.0							
4.0		CL				Same as above except color change to brown. No staining, no odor.	<5
5.0							
6.0				NA	48		
						Poorly-Graded Sand with Clay and Gravel (SP-SC). Dry, brown. Fine to medium-grained sand. <20% subangular gravel up to 0.25-inch. <10% fines.	<5
7.0						No staining, no odor.	
8.0		SP-SC				Same as above except gravel increases to <30%. No staining, no odor.	<5
9.0							
10.0				NA	48		

STREAMBORN

Boring No. B1 (Page 2 of 2)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0						Same as previous page. No staining, no odor	<5
11.0		SP-SC					
12.0						Clayey Sand with Gravel (SC). Wet, brown. Fine to medium-grained sand. <20% subangular gravel up to 0.25-inch. ±20% fines. No staining, no odor.	<5
13.0							
14.0		SC		NA	36		
15.0							
16.0						Clayey Gravel with Sand (GP-GC). Wet, brown. Subangular gravel up to 0.25-inch. <20% medium to coarse-grained sand. ±15% fines. No staining, no odor.	<5
17.0		GP-GC				Poorly-Graded Sand with Clay and Gravel (SP-SC). Wet, brown. Fine to medium grained sand. ±15% small subangular gravel. ±10% fines. No staining, no odor.	<5
18.0				NA	48		
19.0		SP-SC					
20.0						Total drilled depth = 20 feet. A 0.75-inch diameter slotted PVC temporary well casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
21.0							
22.0							
23.0							
24.0							
25.0							

STREAMBORN

Boring No. B2 (Page 1 of 3)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.779' W 122° 14.219'	Logged By	Matthew B. Hall STREAMBORN (Berkeley CA)
Location	±100 feet south of southwest corner of intersection of 23rd Avenue and 11th Street (in the median)	Project No.	P279 GW
Elevation	Not measured	Start Finish	10:40 am, 12 August 2004 12:30 am, 12 August 2004
Drill Method	Direct-push (Geoprobe)	Driller	Precision Sampling (Ernesto)
Drill Rig	6610 DT Portable	Drilled Depth	± 32 feet
Completion	Backfilled with grout	Groundwater (during drilling)	± 23 feet
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 13.02 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Lean Clay with Gravel (CL). Dry, grey. Low plasticity, low dilatency. <20% poorly-graded gravel up to 1-inch. No staining, no odor.	<5
1.0		CL					
2.0				NA	48	Lean Clay (CL). Dry, gray. Low plasticity, low dilatancy. <10% fine-grained sand. No staining, no odor.	<5
3.0							
4.0						Lean Clay (CL). Dry, brown. Low to moderate plasticity, low dilatency. <10% fine grained-sand. <10% well sorted medium gravels. No staining, no odor.	<5
5.0							
6.0		CL		NA	48		
7.0							
8.0						Same as above except gravel increases to <30%. No staining, no odor.	<5
9.0							
10.0				NA	48		

STREAMBORN

Boring No. B2 (Page 2 of 3)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0						Fat Clay with Sand (CH). Dry, brown. Moderate plasticity, moderate dilatency. <20% fine-grained sand. <5% well sorted medium gravels. No staining, no odor.	<5
11.0							
12.0						Same as above. No staining, no odor.	<5
13.0							
14.0				NA	36		
15.0							
16.0		CH				Same as above. No staining, no odor.	<5
17.0							
18.0				NA	48		
19.0							
20.0						Same as above. No staining, no odor.	<5
21.0							
22.0				NA	48		
23.0						Sandy Fat Clay (CH). Wet, brown. Low plasticity, low dilatency. <30% fine to medium-grained sand. <10% medium gravels. No staining, no odor.	<5
24.0		CH					
25.0							

STREAMBORN

Boring No. B2 (Page 3 of 3)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
25.0						Fat Clay with Sand (CH). Wet, brown. Moderate plasticity, moderate dilatancy. <20% fine-grained sand. <5% well sorted medium gravels. No staining, no odor.	<5
26.0		CH					
27.0		CH				Fat Clay (CH). Wet, light brown. High plasticity, high dilatancy. <5% fine-grained sand. No staining, no odor.	<5
28.0		CH		NA	48	Fat Clay with Sand (CH). Wet, brown. Moderate plasticity, moderate dilatancy. <20% fine to medium-grained sand. <5% gravels. No staining, no odor.	<5
29.0		CH				Fat Clay (CH). Wet, light brown. High plasticity, high dilatancy. <5% fine-grained sand. No staining, no odor.	<5
30.0		CH				Sandy Fat Clay (CH). Wet, light brown. Moderate plasticity, moderate dilatancy. <30% fine to medium-grained sand. <5% gravels. No staining, no odor.	<5
31.0		CH		NA	24	Fat Clay (CH). Wet, light brown. High plasticity, high dilatancy. <5% fine-grained sand. No staining, no odor.	<5
32.0						Total drilled depth = 32-feet. A 0.75-inch diameter slotted PVC temporary casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
33.0							
34.0							
35.0							
36.0							
37.0							
38.0							
39.0							
40.0							

STREAMBORN

Boring No. B3 (Page 1 of 3)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.790' W 122° 14.168'	Logged By	Michael D. Chendorain STREAMBORN (Berkeley CA)
Location	Boring on the north side of 25th Avenue, approximately 20 feet southwest of the 11th Street intersection.	Project No.	P279 GW
Elevation	Not measured	Start Finish	9:00 am, 12 August 2004 10:20 pm, 12 August 2004
Drill Method	Direct-push (Geoprobe)	Driller	Precision Sampling (Ernesto)
Drill Rig	6610 DT Portable	Drilled Depth	± 32 feet
Completion	Backfilled with grout	Groundwater (during drilling)	None
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 10.7 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Fill. No staining, no odor. Drilled using hand auger.	<5
						Sandy Lean Clay (CL). Dry, gray. Low plasticity, low dilatancy. <5% fine to medium-grained sand. No staining, no odor.	
1.0							
2.0				NA	48		
3.0							
4.0						Same as above. No staining, no odor.	<5
		CL					
5.0							
6.0				NA	48		
7.0						Lean Clay with Sand (CL). Dry, brown. Moderate plasticity, low dilatancy. <10% fine-grained sand. <5% angular gravel. No staining, no odor.	<5
8.0						Same as above. No staining, no odor.	<5
9.0							
10.0				NA	48		

STREAMBORN

Boring No. B3 (Page 2 of 3)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0						Fat Clay with Sand (CH). Moist, brown. High plasticity, moderate dilatancy. <15% fine-grained sand. <5% fine gravels. No staining, no odor.	<5
11.0							
12.0						Same as above. No staining, no odor.	<5
13.0		CH					
14.0				NA	48		
15.0							
16.0						Fat Clay (CH). Moist, brown. High plasticity, moderate dilatancy. <10% fine-grained sand. Trace gravel. No staining, no odor.	<5
17.0		CH					
18.0				NA	48		
19.0							
20.0						Fat Clay with Sand (CH). Moist, brown. Moderate plasticity, moderate dilatancy. <15% fine to coarse-grained sand. <10% fine-grained, round gravel. No staining, no odor.	<5
21.0							
22.0		CH		NA	48		
23.0							
24.0						Fat Clay (CH). Moist, brown. High plasticity, moderate dilatancy. <5% fine-grained sand. <5% fine grained gravel. No staining, no odor.	<5
25.0		CH					

STREAMBORN

Boring No. B3 (Page 3 of 3)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
25.0						Same as previous page No staining, no odor.	<5
26.0		CH		NA	48		
27.0							
28.0						Fat Clay with Sand (CH). Moist, brown. High plasticity, moderate dilatancy. <10% fine-grained sand. <5% fine-grained gravel. No staining, no odor.	<5
29.0							
30.0		CH		NA	48		
31.0							
32.0						Total drilled depth = 32 feet. A 0.75-inch diameter slotted PVC temporary well casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
33.0							
34.0							
35.0							
36.0							
37.0							
38.0							
39.0							
40.0							

STREAMBORN

Boring No. B4 (Page 1 of 2)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.800' W 122° 14.225'	Logged By	Michael D. Chendorain STREAMBORN (Berkeley CA)
Location	Boring in the median, west of 23rd Avenue, approximately 25 feet south of the 11th Street intersection.	Project No.	P279 GW
Elevation	Not measured	Start Finish	12:45 am, 12 August 2004 2:00 pm, 12 August 2004
Drill Method	Direct-push (Geoprobe)	Driller	Precision Sampling (Ernesto)
Drill Rig	6610 DT Portable	Drilled Depth	± 20 feet
Completion	Backfilled with grout	Groundwater (during drilling)	± 16 feet
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 10.7 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Sandy Lean Clay (CL). Dry, dark grey. Moderate plasticity, moderate dilatancy. <30% fine to coarse-grained sand. <5% round gravel up to 1 inch. No staining, no odor.	<5
1.0							
2.0				NA	48	Sandy Lean Clay (CL). Dry, dark brown. Moderate plasticity, moderate dilatancy. <30% fine to medium-grained sand. No staining, no odor.	<5
3.0							
4.0						Same as above. No staining, no odor.	<5
5.0		CL					
6.0				NA	48		
7.0							
8.0						Same as above. No staining, no odor.	<5
9.0							
10.0				NA	48		

STREAMBORN

Boring No. B4 (Page 2 of 2)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0						Same as previous page. No staining, no odor.	<5
		CL					
11.0							
						Sandy Fat Clay (CH). Moist, brown. Moderate plasticity, moderate dilatancy. <30% fine to coarse-grained sand. <10% fine-grained, round gravel. No staining, no odor.	
12.0							<5
13.0							
14.0				NA	48		
15.0							
		CH					
16.0						Sandy Fat Clay (CH). Wet, brown. Moderate plasticity, moderate dilatancy. <30% fine to coarse-grained sand <15% fine to coarse-grained, round gravel. No staining, no odor.	<5
17.0							
18.0				NA	48	Same as above except soil moisture change to moist. No staining, no odor.	<5
19.0							
20.0						Total drilled depth = 20 feet. A 0.75-inch diameter slotted PVC temporary well casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
21.0							
22.0							
23.0							
24.0							
25.0							

STREAMBORN

Boring No. B-5 (page 1 of 3)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.817' W 122° 14.194'	Logged By	Michael D. Chendorain STREAMBORN (Berkeley CA)
Location	Boring on the west side of Calcot Avenue, approximately 50 feet north of the 23rd Avenue intersection.	Project No.	P279 GW
Elevation	Not measured	Start Finish	3:04 pm, 12 August 2004 3:50 pm, 12 August 2004
Drill Method	Direct Push (Geoprobe)	Driller	Ernesto (Precision Sampling)
Drill Rig	6610 DT Portable	Drilled Depth	± 28 feet
Completion	Backfilled with grout	Groundwater (during drilling)	± 24 feet
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 10.7 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Lean Clay with Sand (CL). Dry, dark brown. Low plasticity, low dilatancy. <10 % fine grained sand. <5% coarse grained gravel up to 1 inch. No staining, no odor.	<5
1.0							
2.0				NA	42		
3.0							
		CL					
4.0						Lean Clay (CL). Dry, dark brown. Moderate plasticity, moderate dilatancy. <10% fine grained sand. No staining, no odor.	<5
5.0							
6.0				NA	48		
7.0							
		SW-SC				Well-Graded Sand with Clay and Gravel (SW-SC). Dry, brown. <20% fine grained gravel. <10% fines. No staining, no odor.	<5
8.0						Fat Clay (CH). Dry, brown. High plasticity, moderate dilatancy. <10% fine grained sand. No staining, no odor.	<5
9.0		CL					
				NA	48		
10.0							

STREAMBORN

Boring No. B5 (Page 2 of 3)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0		CH				Same as previous page. No staining, no odor.	<5
11.0		CH				Sandy Fat Clay (CH). Dry, brown. High plasticity, moderate dilatancy. <15% fine to coarse-grained sand. <15% coarse-grained, round gravel. No staining, no odor	<5
12.0						Fat Clay (CH). Dry, light grey. Moderate plasticity, moderate dilatancy. <10% fine-grained sand. No staining, no odor.	<5
13.0							
14.0				NA	48		
15.0		CH					
16.0						Same as above. No staining, no odor.	<5
						Fat Clay (CH) Dry, light grey. Moderate plasticity, moderate dilatancy. <10% coarse-grained, round gravel. No staining, no odor.	<5
17.0							
18.0				NA	48	Fat Clay with Sand (CH). Moist, brown Moderate plasticity, moderate dilatancy. <15% fine-grained sand. No staining no odor.	<5
19.0							
20.0		CH				Fat Clay with Sand (CH). Moist, light brown. Moderate plasticity, moderate dilatancy. <15% fine-grained sand. No staining no odor.	<5
21.0							
22.0				NA	48	Fat Clay with Sand (CH). Moist, brown. Moderate plasticity, moderate dilatancy. <15% fine-grained sand. No staining no odor.	<5
23.0		SC				Clayey Sand with Gravel (SC). Wet, brown. <20% fine to coarse-grained, round gravel. <15% fines. No staining no odor.	<5
24.0		CH				Sandy Fat Clay (CH). Wet, light brown. Moderate plasticity, moderate dilatancy. <25% fine-grained sand. <10% fine-grained, subangular gravel. No staining, no odor.	<5
25.0				NA	48		

STREAMBORN

Boring No. B5 (Page 3 of 3)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
25.0						Same as previous page. No staining, no odor	<5
26.0		CH		NA	48	Fat Clay with Sand (CH). Wet, brown. Moderate plasticity, moderate dilatancy. <10% fine-grained sand. <10% fine to coarse-grained, round gravel. No staining, no odor.	<5
27.0							
28.0						Total drilled depth = 28 feet. A 0.75-inch diameter slotted PVC temporary well casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
29.0							
30.0							
31.0							
32.0							
33.0							
34.0							
35.0							
36.0							
37.0							
38.0							
39.0							
40.0							

STREAMBORN

Boring No. B6 (Page 1 of 2)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.814' W 122° 14.204'	Logged By	Michael D. Chendorain STREAMBORN (Berkeley CA)
Location	Boring is north of 11th Street, approximately 25 feet east of 23rd Avenue intersection.	Project No.	P279 GW
Elevation	Not measured	Start Finish	2:12 pm, 12 August 2004 2:55 pm, 12 August 2004
Drill Method	Direct-push (Geoprobe)	Driller	Precision Sampling (Ernesto)
Drill Rig	6610 DT Portable	Drilled Depth	± 24 feet
Completion	Backfilled with grout	Groundwater (during drilling)	± 20 feet
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 10.7 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Sandy Silt (ML). Dry, dark gray. Low plasticity, low dilatancy. <30% fine-grained sand. <10% fine to coarse-grained, subangular gravel. No staining, no odor.	<5
1.0		ML					
2.0				NA	42	Silt (ML). Dry, dark gray. Low plasticity, low dilatancy. <5% fine-grained sand. No staining, no odor.	<5
3.0		ML					
4.0						Fat clay (CH). Dry, dark brown. Moderate plasticity, moderate dilatancy. <5% find-grained sand. No staining, no odor.	<5
5.0							
6.0				NA	48		
7.0		CH					
8.0						Same as above. No staining, no odor.	<5
9.0							
10.0				NA	48		

STREAMBORN

Boring No. B6 (Page 2 of 2)

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6-inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0		CH				Same as previous page. No staining, no odor.	<5
						Well-Graded Gravel with Clay and Sand (GW-GC). Dry, brown. <25% fine to coarse-grained sand. <10% fines. No staining, no odor.	<5
11.0		GW-GC					
12.0						Sandy Fat Clay with Gravel (CH). Moist, brown. Moderate plasticity, moderate dilatancy. <30% fine to coarse-grained sand. <15% coarse-grained gravel. No staining, no odor.	<5
13.0		CH					
14.0				NA	48	Fat Clay (CH). Moist, light brown. Moderate plasticity, moderate dilatancy. <30% fine-grained sand. No staining, no odor	<5
15.0							
16.0		CH				Same as above. No staining, no odor.	<5
17.0							
18.0				NA	48	Same as above except soil moisture change to moist. No staining, no odor.	<5
19.0		CH				Fat Clay with Gravel (CH). Wet, brown. Moderate plasticity, moderate dilatancy. <15% fine to coarse-grained sand. <20% fine to coarse-grained gravel No staining, no odor.	<5
20.0		CH				Fat Clay (CH). Wet, grey. High plasticity, moderate dilatancy. <5% fine-grained sand. No staining, no odor.	<5
21.0							
22.0		CH		NA	48	Sandy Fat Clay with Gravel (CH). Wet, brown. High plasticity, moderate dilatancy. <25% fine to medium-grained sand. <15% coarse-grained, round gravel. No staining, no odor.	<5
23.0							
24.0						Total drilled depth = 24 feet. A 0.75-inch diameter slotted PVC temporary well casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
25.0							

STREAMBORN

Boring No. B7 (Page 1 of 2)

Project	Soil and Groundwater Investigation 2440 East Eleventh Street	Address	2440 East Eleventh Street Oakland CA
GPS Coordinates	N 37° 46.827' W 122° 14.190'	Logged By	Michael D. Chendorain STREAMBORN (Berkeley CA)
Location	Boring in the asphalt north east of Calcot Avenue approximately 10 feet from the southern end of the sidewalk.	Project No.	P279 GW
Elevation	Not measured	Start Finish	4:10 pm, 12 August 2004 4:35 pm, 12 August 2004
Drill Method	Direct-push (Geoprobe)	Driller	Precision Sampling (Ernesto)
Drill Rig	6610 DT Portable	Drilled Depth	± 20 feet
Completion	Backfilled with grout	Groundwater (during drilling)	± 18 feet
Sampling	1.5-inch diameter by 4-foot long acetylene liners placed inside a push tube.	Groundwater (stabilized)	± 10.7 feet

Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
0.0						Asphalt.	
						Silt with Sand (ML). Dry, dark gray. Moderate plasticity, moderate dilatancy. <15% fine-grained sand. No staining, no odor.	<5
1.0							
2.0				NA	48		
3.0							
4.0						Same as above except color change to dark brown. No staining, no odor.	<5
5.0		ML					
6.0				NA	48		
7.0							
8.0						Lean Clay with Sand (CL). Dry, gray with brown mottles High plasticity, moderate dilatancy. <15% fine-grained sand. No staining, no odor.	<5
9.0							
10.0				NA	48		

STREAMBORN

Boring No. B7 (Page 2 of 2)

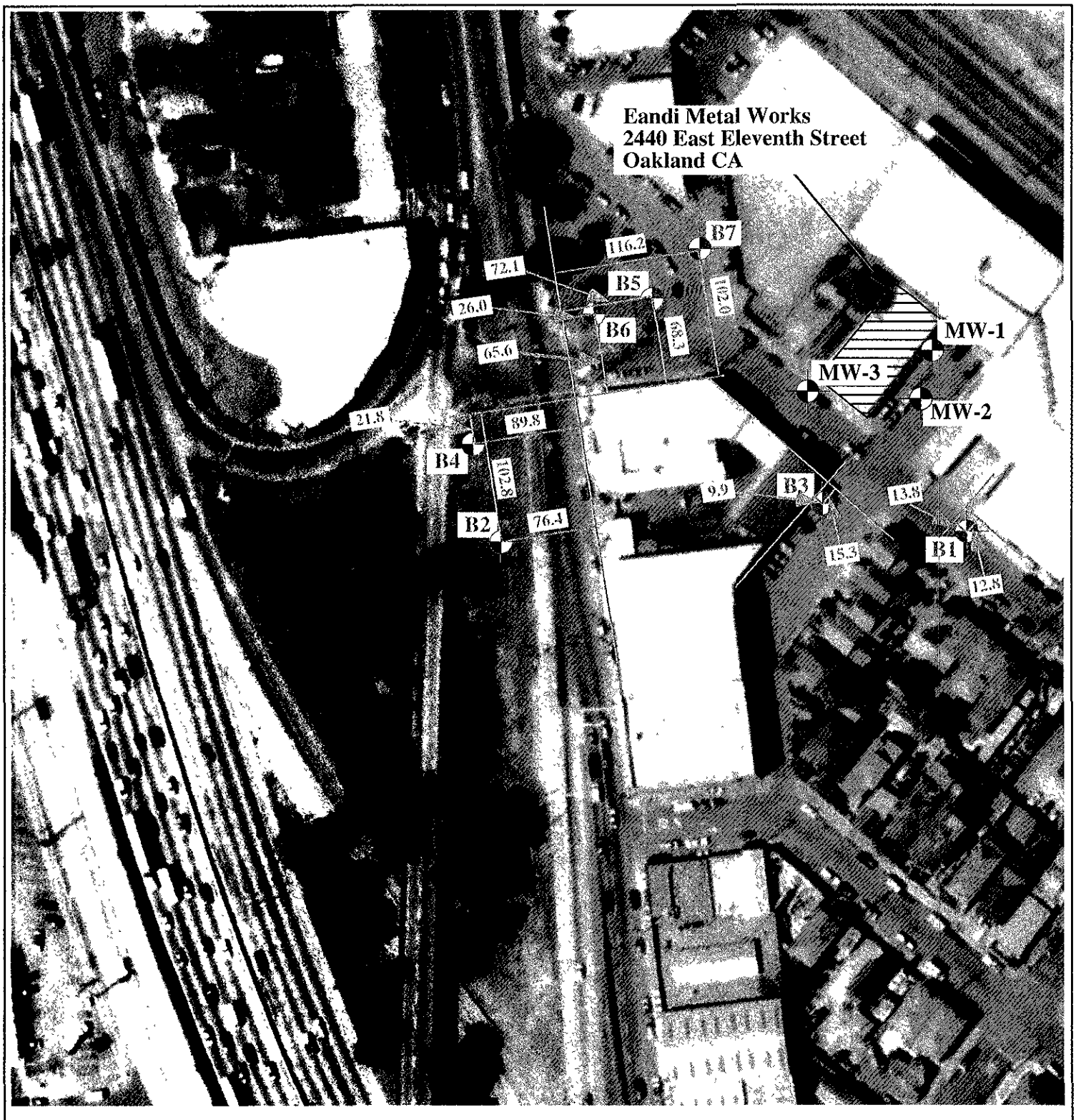
Depth (feet)	Graphic Log	USCS	Sample Interval	Blows per 6 inches	Recovery (inches)	Soil Description, Observations, Comments	OVM (ppm v/v)
10.0						Same as previous page. No staining, no odor.	<5
11.0							
12.0						Same as above. No staining, no odor.	<5
13.0		CL					
14.0				NA	42		
15.0							
16.0						Silty Sand with Gravel (SM). Moist, brown. Moderate plasticity, moderate dilatancy. <15% fine-grained gravel. <15% fines. No staining, no odor.	<5
17.0		SM					
18.0				NA	42	Well-Graded Sand with Silt and Gravel (SW-SM) Wet, brown. Moderate plasticity, moderate dilatancy. <15% fine-grained gravel. <10% fines. No staining, no odor.	<5
19.0		SW-SM					
20.0						Total drilled depth = 20 feet. A 0.75-inch diameter slotted PVC temporary well casing was placed in the borehole and allowed to sit for at least 1 hour. Water levels were measured and groundwater samples were collected. The well casing was then withdrawn and the borehole was backfilled with grout.	
21.0							
22.0							
23.0							
24.0							
25.0							

STREAMBORN

ATTACHMENT 2

Dimensioned Exploration Locations

STREAMBORN



Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

Dimensioned Boring Locations

2440 East Eleventh Street Oakland CA

STREAMBORN

ATTACHMENT 3

Permits

STREAMBORN

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT
2440 East Eleventh Street
Oakland CA 94606

CLIENT
Name *Eandi Metal Works*
Address *976 23rd Avenue* Phone *510/532-8311*
City *Oakland* Zip *94606*

APPLICANT
Name *Streamborn*
Fax *510/528-2613*
Address *PO Box 8330* Phone *510/528-4234*
City *Berkeley* Zip *94707*

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☒

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐
Cable	☐	Other ☒ *Geoprobe*	Auger ☐

DRILLER'S NAME *Precision Sampling*

DRILLER'S LICENSE NO. *636387*

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Owner's Well Number _____

GEOTECHNICAL PROJECTS
Number of Borings *7* Maximum
Hole Diameter *2* in. Depth *20* ft.

STARTING DATE *12 August 2004*

COMPLETION DATE *12 August 2004*

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE *Douglas W Lovell* DATE *9 July 2004*

PLEASE PRINT NAME *Douglas W. Lovell* Rev.9-18-02

FOR OFFICE USE
PERMIT NUMBER *W04-0777*
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL *Contamination*
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS *-8 A1*

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE *8-2-04*

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD, CA. 94544-1395
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W04-0777

WATER RESOURCES SECTION
GROUNDWATER PROTECTION ORDINANCE
GP # 1-GENERAL CONDITIONS: CONTAMINATION INVESTIGATION

1. Prior to any drilling activities shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances No work shall begin until all the permits and requirements have been approved or obtained.

2. Bornings shall be sealed within **24 hours** following completion of testing or sampling activities. Borings shall not be left in a condition as to allow for the introduction of surface waters or foreign materials into them. No borehole(s) shall be left in a manner to act as a conduit at any time. Borings shall be secured such that they do not endanger public health. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes.

3. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

4. Permit is valid only for the purpose specified herein on **August 12 to August 12, 2004**. No changes in construction procedures, as described on this permit application. Geoprobes shall not be converted to monitoring wells, without a permit application process.

5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

6. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). **Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including Permit number and site map.**

7. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

8. This permit may be voided if it contains incorrect information.

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 2434 E 11TH ST Parcel# 019 -0098-005-06 Appl# X0402403

Descr two soil borings on the northern block of e.11th and 23rd av Permit Issued 08/05/04
(see attached plan)

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	EANDI FAMILY PROPERTIES LP				
Contractor	PRECISION SAMPLING INC	X	(510)237-4575	636387	C57
Arch/Engr					
Agent					

Applic Addr 1400 SOUTH 50TH ST, RICHMOND, CA, 94804

$297.21 TOTAL FEES PAID AT ISSUANCE

$54.00	Applic	$205.00	Permit
$.00	Process	$24.61	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$13.60	Tech Enh

ADDRESS:

DIST:

JOB SITE

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERIN

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 4 0 2 4 0 3	2434 EAST ELEVENTH OAKLAND CA
APPROX. START DATE: 12 Aug 2004 / APPROX. END DATE: 13 Aug 2004	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): 415/250-4158
CONTRACTOR'S LICENSE # AND CLASS: C-57: 636387	CITY BUSINESS TAX #: 3110419

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than tw uctures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee: _____ ☒ Agent for Precision Sampling ☐ Contractor ☐ Owner — Date: 8-5-04

DATE STREET LAST SURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED: 8-5-04	

forms/ops/excavate.pg2 (04/98)

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 2434 E 11TH ST Parcel# 019 -0098-005-06 Appl# X0402404

Descr one soil boring on the southern block of e.11th and miller Permit Issued 08/05/04
(see attached plan)

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	EANDI FAMILY PROPERTIES LP				
Contractor	PRECISION SAMPLING INC	X	(510)237-4575	636387	C57
Arch/Engr					
Agent					

Applic Addr 1400 SOUTH 50TH ST, RICHMOND, CA, 94804

$297.21 TOTAL FEES PAID AT ISSUANCE

$54.00	Applic	$205.00	Permit
$.00	Process	$24.61	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$13.60	Tech Enh

HESS:

DIST:

JOB SITE

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X040 2404	2434 EAST ELEVENTH OAKLAND CA.
APPROX. START DATE: 12 Aug 2004 / APPROX. END DATE: 13 Aug 2004	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): 415/250-4158
CONTRACTOR'S LICENSE # AND CLASS: C-57: 636387	CITY BUSINESS TAX #: 3110419

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee: _____ ☒ Agent for ☐ Contractor ☐ Owner — Precision Sampling — Date: 8-5-04

DATE STREET LAST SURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO

ISSUED BY	DATE ISSUED
	8-5-04

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 2434 E 11TH ST Parcel# 019 -0098-005-06 Appl# X0402405

Descr one soil boring on 25th av off e 11th Permit Issued 08/05/04
(see attached plan)

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	EANDI FAMILY PROPERTIES LP				
Contractor	PRECISION SAMPLING INC	X	(510)237-4575	636387	C57
Arch/Engr					
Agent					

Applic Addr 1400 SOUTH 50TH ST, RICHMOND, CA, 94804

$297.21 TOTAL FEES PAID AT ISSUANCE

$54.00 Applic	$205.00 Permit
$.00 Process	$24.61 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$13.60 Tech Enh

DRESS:

DIST:

JOB SITE

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X040 2405	2434 EAST ELEVENTH OAKLAND CA
APPROX. START DATE: 12 Aug 2004 / APPROX. END DATE: 13 Aug 2004	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): 415/250-4158
CONTRACTOR'S LICENSE # AND CLASS: C-57: 636387	CITY BUSINESS TAX #: 3110419

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) #_____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two ructures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

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Signature of Permittee ☒ Agent for ☐ Contractor ☐ Owner — Precision Sampling — Date 8-5-04

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UED BY		DATE ISSUED 8-5-04	

forms/ops/excavate.pg2 (04/98)

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 2434 E 11TH ST Parcel# 019 -0098-005-06 Appl# X0402406

Descr one soil boring on e.11th off 25th av
(see attached plan)

Permit Issued 08/05/04

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	EANDI FAMILY PROPERTIES LP				
Contractor	PRECISION SAMPLING INC	X	(510)237-4575	636387	C57
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Applic Addr 1400 SOUTH 50TH ST, RICHMOND, CA, 94804

$297.21 TOTAL FEES PAID AT ISSUANCE

$54.00	Applic	$205.00	Permit
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$.00	Gen Plan	$.00	Invstg
$.00	Other	$13.60	Tech Enh

ADDRESS:

DIST:

JOB SITE

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 4 0 2406	2434 EAST ELEVENTH OAKLAND CA
APPROX. START DATE: 12 Aug 2004 / APPROX. END DATE: 13 Aug 2004	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): 415/250-4158
CONTRACTOR'S LICENSE # AND CLASS: C-57: 636387	CITY BUSINESS TAX #: 3110419

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☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

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Signature of Permittee [X] Agent for ☐ Contractor ☐ Owner — Precision Sampling — Date 8-5-04

DATE STREET LAST SURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO

ISSUED BY _____ DATE ISSUED 8-5-04

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120

Permit No.	0404-6SV1214
Dist/Co/Rte/PM	04-Ala-880-29.0
Date	July 27, 2004
Fee Paid	$410.00
Deposit	$
Performance Bond Amount (1)	
Payment Bond Amount (2)	
Bond Company	
Bond Number (1)	
Bond Number (2)	

In compliance with (*Check one*):

☒ Your application of July 19, 2004

Utility Notice No. _____ of _____

☐ Agreement No. _____ of _____

☐ R/W Contract No. _____ of _____

TO: EANDI METAL WORKS
976 Twenty Third Avenue
Oakland, CA 94606

Attn: Jeffrey Eandi
Phone: (510) 532-8311

, **PERMITTEE**

and subject to the following, **PERMISSION IS HEREBY GRANTED** to:

Perform two soil borings for soil investigation, on State Highway 04-Ala-880, Post Mile 29.0, at 23rd Avenue, in the City of Oakland.

A minimum of one week prior to start of work under this permit, notice shall be given to, and approval of construction details, operations, public safety, and traffic control shall be obtained from State Representative N. Freitag, 600 Lewelling Blvd., San Leandro, 94579, 510-614 5951, weekdays, between 7:30 AM and 4:00 PM.

All permitted work requires the Permittee to apply for and obtain a work authorization number prior to start of work. See the attached "Encroachment Permit Project Work Scheduling Procedures" and the attached "Permit Project Work Scheduling Request Form". Additional time beyond the minimum seven-day advanced notice required in the above paragraph may be required for obtaining the traffic control approval.

The following attachments are also included as part of this permit (*Check applicable*):

☒ Yes	☐ No	General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☐ Yes	☒ No	Special Previsions
☒ Yes	☐ No	A Cal-OSHA permit required prior to beginning work: # _____

In addition to fee, the permittee will be billed actual costs for:

☐ Yes	☒ No	Review
☒ Yes	☐ No	Inspection
☒ Yes	---------	Field Work

(If any Caltrans effort expended)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before October 30, 2004

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

APB
CC LMc(2), N.Freitag,
DTM – B.Loo, J. Richardson,
City of Oakland,
Douglas Lovell-Streanborn

APPROVED:

BIJAN SARTIPI, District Director

BY:

S. S. NOZZARI, District Permit Engineer

Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of completion attached to this permit.

All Permittee's personnel shall wear appropriate personal protective equipment, including hard hats and bright colored vests, shirts, or jackets with retro-reflective material while on State highway right of way.

The site of the work shall be enclosed by suitable barricades, signs and lights, as approved by State's representative, to warn and protect traffic effectively.

No traffic control or lane closure is authorized as part of this permit.

Location of borings shall be authorized by State Representative.

No boring holes shall be left open overnight without written permission from the Caltrans representative or unless otherwise specified herein.

No borings shall be done on traffic lanes, or travel way.

Certain details of work authorized hereby are shown on permittee's plan submitted with request for permit

Any collected survey data requested by Caltrans shall be furnished to Caltrans without charge.

The boring holes shall be backfilled per Caltrans requirements or as directed by the State representative.

When boring operations are being conducted , the permittee shall furnish, place and maintain signs and safety equipment in accordance with the latest edition of the "Manual of Traffic Controls for Construction and maintenance Work Zones".

All painted markings shall be made with water-soluble paint.

Permission is granted to park survey vehicles temporarily within the right of way, outside the shoulders , while surveying work is in progress.

This permit does not authorize any excavation or trenching in State's right of way.

Any damage to existing facilities, landscaping or irrigation within the State's Right of Way shall be replaced in kind by the permittee at permittee's expense.

Your contractor, Precision Sampling, of Richmond/California, is authorized to perform work permitted herein. Inspection fees have been collected as part of this permit. Additional fees, required, shall be based on Caltrans standard hourly rate of $82.00/hour.

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 8/98)

1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.

2. **REVOCATION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.

3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.

4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.

5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.

6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.

7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "Permittee and Department representative."

8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.

9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.

10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.

11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g., relocation, alteration, removal, etc.).

12. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.

13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 1.21 meter (4') shall be maintained through the work area at existing pedestrian or bicycle facilities . At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street.

14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. Day and night time lane closures shall comply with the Manuals of Traffic Controls, Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care, greater than or different from, as required by law.

15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the Manual of Traffic Controls and Instructions to Flaggers Pamphlet.

16. **STORAGE OF EQUIPMENT AND MATERIALS:** Equipment and material storage in State right of way shall comply with Standard Specifications, Standard Plans, and Special Provisions. Whenever the permittee places an obstacle within 3.63 m (12') feet of the traveled way, the permittee shall place temporary railing (Type K).

17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.

18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et. seq.).

19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.

20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waives all claims for indemnification or contribution from the State.

21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.

22 **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of as-built plans in compliance with Department's requirements. Plans shall be submitted within thirty (30) days after completion and approval of work.

As-Built plans or accompanying correspondence shall not include disclaimer statements of any kind. Such statements shall constitute non-compliance with these provisions. Failure to provide complete and signed As-Built plans shall be cause for bond or deposit retention by the Department.

23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.

24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.

25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to rearrange a permitted installation upon request by the Department, for State construction, reconstruction, or maintenance

work on the highway. The permittee at his sole expense, unless under a prior agreement, JUA, or a CCUA, shall comply with said request.

26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.

27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.

28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.

The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director , from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit.

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**
A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:
1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
2. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.
4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A, Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.
B. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.

33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State. The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.

35. **Notification of Department and TMC:** The permittee shall notify the Department's representative and the Traffic Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.

36. **Underground Service Alert (USA) Notification:** Any excavation requires compliance with the provisions of Government Code Section 4216 et. seq., including , but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.

STANDARD STORM WATER POLLUTION PREVENTION SPECIAL PROVISIONS

TR-XXXX (Rev. 4/21/2004)

1. NPDES REQUIREMENTS: Permittee shall be responsible for full compliance with the Caltrans Storm Water Program and the Caltrans NPDES permit requirements. For additional information, visit the Caltrans Stormwater Website at http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm

2. RESPONSIBILITY FOR DEBRIS: Permittee shall be responsible for preventing all dirt, trash, debris and other construction waste from entering storm drains, local creeks, or other bodies of water.

3. VEHICLES AT THE WORK SITE: Permittee shall prevent all vehicles, equipment, etc. from leakage or mud tracking onto roadways.

4. VEHICLE FUEL AT THE WORKSITE: Permittee equipment fueling and maintenance activities shall not result in any pollution at the job site.

5. CLEANING VEHICLES AT WORKSITE: Permittee shall clean all equipment with clean water only in a bermed area or over a drip pan large enough to prevent run-off. No soaps, solvents, degreasers, etc shall be used in State right of way. Any water from this operation shall be collected and disposed of at an appropriate site.

6. WEATHER CONDITIONS AT WORKSITE: All paving, painting, grinding, and saw-cutting operations shall be performed during dry weather.

7. FRESH AC: Fresh AC shall not be washed.

8. PROTECTION OF DRAINAGE: Permittee shall protect/cover gutters, ditches, drainage courses, and inlets with sand/gravel bags, fiber rolls, etc., to the satisfaction of the State representative during paving operations, saw-cutting, etc.

9. SAW CUTTING: No dry saw-cutting shall be allowed.

10. SPOILS & RESIDUE: Permittee shall vacuum or sweep any saw-cut spoils, debris, residue, etc. No spoils, debris, residue, etc. shall be washed into a drainage system.

11. PAINT: Rinsing of paintbrushes or materials is not permitted in state right-of-way. Oil based paint sludge and unusable thinner shall be disposed of at an approved hazardous waste site.

12. GROUT & MORTAR: All construction materials including concrete, grout, cement containing premixes and mortar shall be stored under cover and separated away from drainage areas. Stored materials shall not reach a storm drain.

13. CONCRETE EQUIPMENT/VEHICLES: Concrete equipment/trucks shall be washed out off of State right of way or in a designated washing area as required by Caltrans Standards.

14. SOIL DISTURBANCE: Soil disturbing activities shall be avoided during the rainy season. If grading activities during wet weather are allowed in your permit, all control measures necessary to prevent erosion shall be implemented.

15. EXISTING VEGETATION: Mature vegetation is the best form of erosion control. Disturbance to existing vegetation shall be minimized whenever possible.

16. SLOPES: In cases where slopes are disturbed during construction, soil shall be secured with erosion control and soil stabilization measures. Fiber rolls shall be placed downslope until the soil is secure.

17. CATCH BASINS: Sand, dirt, and similar materials shall be stored at least 3-meters (10-feet) from catch basins and covered with a tarp during wet weather or when rain is forecast.

18. SWEEPING: Roadways and other paved areas shall be swept daily. Roadways or work areas shall not be washed down with water.

19. CONTAMINATED WATER: The State representative shall be notified in case any unusual discoloration, odor, texture in ground water, in excavated material or abandoned underground tanks, pipes, or buried debris are encountered.

20. DIESEL FUELS: Use of diesel as a form-oil shall not be Permitted.

21. DEWATERING: Any effluent discharged into any storm water system requires a waste discharge permit from the Regional Water Quality Control Board. The permittee shall provide the State Representative with a copy of the Waste Discharge Permit.

ATTACHMENT 4

Groundwater Sampling Forms

STREAMBORN

MONITORING WELL PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	MW1	Sample Type:	Grab
Purging Equipment:	Submersible pump	Depth to Water:	10.95
Sampling Equipment:	Bailer with bottom-emptying device	Total Depth:	19.7
Measuring Point:	Top of casing, north side	Odor:	None
Free Product:	None	Sample Number:	MW1 (12 Aug 04)
Comments:	None		

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)		Three Casing Volumes (gallons)
19.7	-	10.95	x	0.16	=	1.4	x 3	4.2

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	12:36	1.11	6.95	238	19.4	-148	Clear	None	No	Start purge
2.5	12:38	1.57	6.96	222	18.7	-123	Clear	None	No	
5	12:40	1.10	6.96	232	18.8	-134	Clear	None	No	
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

MONITORING WELL PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	MW2	Sample Type:	Grab
Purging Equipment:	Submersible pump	Depth to Water:	11.17
Sampling Equipment:	Bailer with bottom-emptying device	Total Depth:	19.8
Measuring Point:	Top of casing, north side	Odor:	Slight petroleum
Free Product:	None	Sample Number:	MW2 (12 Aug 04)
Comments:	None		

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)		Three Casing Volumes (gallons)
19.8	-	11.17	x	0.16	=	1.4	x 3	4.2

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	12:05	1.98	6.39	523	19.8	-177	Clear	None	No	Start purge
2.5	12:07	1.07	6.70	507	19.0	-202	Turbid	Grey	No	
5	12:09	1.97	6.75	510	18.9	-171	Turbid	Grey	No	
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

MONITORING WELL PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	MW3	Sample Type:	Grab
Purging Equipment:	Submersible pump	Depth to Water:	11.77
Sampling Equipment:	Bailer with bottom-emptying device	Total Depth:	19.6
Measuring Point:	Top of casing, north side	Odor:	Slight Petroleum
Free Product:	None	Sample Number:	MW3 (12 Aug 04)
Comments:	None		

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)		Three Casing Volumes (gallons)
19.6	-	11.77	x	0.16	=	1.25	x 3	3.75

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	11:07	2.60	5.98	450	18.5	-121	Turbid	Grey	No	Start purge
2	11:09	1.87	6.52	436	18.9	-158	Clear	None	No	
4	11:15	1.74	6.61	438	19.0	-152	Clear	None	No	
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B1	Depth to Water:	10.7
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	18.8
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
18.8	-	10.7	x	0.04	=	.324

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	1:25	4.49	5.73	460	19.5	-186.2	Opaque	Brown	No	Start development
0.5	1:31	3.15	6.10	444	18.0	-311.9	Opaque	Brown	No	
1	1:38	3.86	6.20	406	16.8	17	Cloudy	Brown	No	
1.5	1:46	3.65	6.53	406	17.3	47.1	Turbid	Brown	No	
2	1:52	3.64	6.73	402	16.6	51.2	Clear	None	No	
2.5	1:55	3.80	6.71	403	16.8	62.5	Clear	None	No	
3	2:00	3.77	6.74	532	17.8	88.9	Clear	None	No	Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B2	Depth to Water:	13.02
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	29.85
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
29.85	-	13.02	x	0.04	=	0.67

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	3:10	6.12	6.67	410	20.2	40.8	Opaque	Brown	Yes	Start development
1.5	3;17	5.72	6.36	400	19.3	19.6	Opaque	Brown	Yes	
2	3:37	4.82	6.41	396	19.6	30.2	Opaque	Brown	Yes	
3	3:50	4.84	6.22	393	19.2	102	Opaque	Brown	Yes	
4	4:10	4.74	6.19	383	18.8	144	Translucent	Brown	Yes	Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B3	Depth to Water:	11.20
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	31.3
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
31.3	-	11.20	x	0.04	=	0.8

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	8:00	5.27	7.00	536	17.5	148.4	Opaque	Brown	Yes	Start development
1	8:15	4.07	6.89	480	17.6	135	Translucent	Brown	Yes	
2	8:30	3.84	6.78	471	17.4	149	Cloudy	Brown	Yes	
3	8:40	3.82	6.68	459	17.2	181	Turbid	Brown	Yes	Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B4	Depth to Water:	12.5
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	18.5
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
18.5	-	12.5	x	0.04	=	0.024

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	4:31	3.24	6.04	443	19.2	130.6	Opaque	Brown	No	Start development
0.5	4:38	3.25	6.16	440	19.4	158.4	Translucent	Brown	No	
1	4:46	3.99	6.39	430	18.7	179.4	Cloudy	Brown	No	
2	5:00	3.41	6.51	459	18.9	192	Clear	None	No	Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B5	Depth to Water:	12.30
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	27.0
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
27.0	-	12.30	x	0.04	=	0.59

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	6:40	3.01	6.06	460	19.8	-307	Opaque	Brown	No	Start development
1	6:50	2.26	6.10	455	19.9	-243	Opaque	Brown	No	
1.5	7:00	2.20	6.29	441	19.9	-265	Opaque	Brown	Yes	Ran dry. Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B6	Depth to Water:	12.60
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	23.1
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
23.1	-	12.60	x	0.04	=	0.42

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	5:22	2.05	6.10	532	20.2	-416.5	Opaque	Brown	No	Start development
0.5	5:26	2.72	6.25	490	20.0	-394.0	Opaque	Brown	No	
1	5:31	2.10	6.34	467	19.8	-270.0	Opaque	Brown	No	
1.5	5:37	1.77	6.33	462	19.9	-348.9	Opaque	Brown	No	
2	5:44	2.43	6.18	453	20.0	NM	Opaque	Brown	No	
3	6:00	2.40	6.06	443	20.0	-142.0	Translucent	Brown	No	Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

BORING PURGE DATA

Project Name/Number:	Eandi Metal Works / P279	Logged By:	Matthew B. Hall
Property Location:	2440 East Eleventh Street, Oakland CA	Date:	12 August 2004
Well Number:	B7	Depth to Water:	12.87
Development Equipment:	Peristaltic pump (Geotech Geopump 2)	Total Depth:	19.9
Measuring Point:	Ground Surface	Odor:	None
Free Product:	None	Comments:	None

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)
19.9	-	12.87	x	0.04	=	0.28

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	7:30	1.90	5.91	606	19.4	51.5	Opaque	Brown	Yes	Start development
0.5	7:37	1.46	6.11	606	19.9	81.7	Translucent	Brown	Yes	
1	7:44	1.66	6.08	603	19.9	105	Cloudy	Brown	Yes	
1.5	7:53	1.62	6.07	602	19.9	139.4	Turbid	Brown	Yes	Sample collected.

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

ATTACHMENT 5

Laboratory Data Sheets and Chain of Custody Forms

SEVERN TRENT STL

Submission#: 2004-08-0429

Streamborn Consulting Services

August 30, 2004

900 Sante Fe Avenue
Albany, CA 94706

Attn.: Matthew Hall

Project#: P279
Project: Eandi Metal Works
Site: 2440 East Eleventh Street, Oakland, CA

Attached is our report for your samples received on 08/16/2004 18:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/30/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-08-0429

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1 (12 AUG 04)	08/12/2004 14:00	Water	1
B-2 (12 AUG 04)	08/12/2004 16:10	Water	2
B-3 (12 AUG 04)	08/12/2004 08:40	Water	3
B-4 (12 AUG 04)	08/12/2004 05:00	Water	4
B-5 (12 AUG 04)	08/12/2004 07:00	Water	5
B-6 (12 AUG 04)	08/12/2004 06:12	Water	6
B-7 (12 AUG 04)	08/12/2004 07:53	Water	7
MW-1 (12 AUG 04)	08/12/2004 12:40	Water	8
MW-2 (12 AUG 04)	08/12/2004 12:09	Water	9
MW-3 (12 AUG 04)	08/12/2004 11:15	Water	10

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s): 3010A
Test(s): 6010B
Sample ID: **B-1 (12 AUG 04)**
Lab ID: 2004-08-0429 - 1
Sampled: 08/12/2004 14:00
Extracted: 8/17/2004 09:13
Matrix: Water
QC Batch#: 2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.026	0.0050	mg/L	1.00	08/18/2004 12:48	

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**B-2 (12 AUG 04)**	Lab ID:	2004-08-0429 - 2
Sampled:	08/12/2004 16:10	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.071	0.0050	mg/L	1.00	08/18/2004 12:52	

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**B-3 (12 AUG 04)**	Lab ID:	2004-08-0429 - 3
Sampled:	08/12/2004 08:40	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.012	0.0050	mg/L	1.00	08/18/2004 12:56	

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**B-4 (12 AUG 04)**	Lab ID:	2004-08-0429 - 4
Sampled:	08/12/2004 05:00	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/18/2004 13:00	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**B-5 (12 AUG 04)**	Lab ID:	2004-08-0429 - 5
Sampled:	08/12/2004 07:00	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.18	0.0050	mg/L	1.00	08/18/2004 13:05	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s): 3010A
Test(s): 6010B
Sample ID: **B-6 (12 AUG 04)**
Lab ID: 2004-08-0429 - 6
Sampled: 08/12/2004 06:12
Extracted: 8/17/2004 09:13
Matrix: Water
QC Batch#: 2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.083	0.0050	mg/L	1.00	08/18/2004 13:08	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**B-7 (12 AUG 04)**	Lab ID:	2004-08-0429 - 7
Sampled:	08/12/2004 07:53	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	0.083	0.0050	mg/L	1.00	08/18/2004 13:12	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-1 (12 AUG 04)**	Lab ID:	2004-08-0429 - 8
Sampled:	08/12/2004 12:40	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/18/2004 13:16	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s): 3010A
Test(s): 6010B
Sample ID: **MW-2 (12 AUG 04)**
Lab ID: 2004-08-0429 - 9
Sampled: 08/12/2004 12:09
Extracted: 8/17/2004 09:13
Matrix: Water
QC Batch#: 2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/18/2004 13:21	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-3 (12 AUG 04)**	Lab ID:	2004-08-0429 - 10
Sampled:	08/12/2004 11:15	Extracted:	8/17/2004 09:13
Matrix:	Water	QC Batch#:	2004/08/17-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/18/2004 13:48	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 3010A
Method Blank
MB: 2004/08/17-01.15-074

Water

Test(s): 6010B
QC Batch # 2004/08/17-01.15
Date Extracted: 08/17/2004 09:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.0050	mg/L	08/18/2004 11:46	

Total Lead

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike **Water** **QC Batch # 2004/08/17-01.15**

LCS 2004/08/17-01.15-075 Extracted: 08/17/2004 Analyzed: 08/18/2004 11:51

LCSD 2004/08/17-01.15-076 Extracted: 08/17/2004 Analyzed: 08/18/2004 11:55

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	0.493	0.491	0.500	98.6	98.2	0.4	80-120	20		

SEVERN TRENT STL

Submission: 2004-08-0429

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1 (12 AUG 04)	08/12/2004 14:00	Water	1
B-2 (12 AUG 04)	08/12/2004 16:10	Water	2
B-3 (12 AUG 04)	08/12/2004 08:40	Water	3
B-4 (12 AUG 04)	08/12/2004 05:00	Water	4
B-5 (12 AUG 04)	08/12/2004 07:00	Water	5
B-6 (12 AUG 04)	08/12/2004 06:12	Water	6
B-7 (12 AUG 04)	08/12/2004 07:53	Water	7
MW-1 (12 AUG 04)	08/12/2004 12:40	Water	8
MW-2 (12 AUG 04)	08/12/2004 12:09	Water	9
MW-3 (12 AUG 04)	08/12/2004 11:15	Water	10

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-1 (12 AUG 04)**	Lab ID:	2004-08-0429 - 1
Sampled:	08/12/2004 14:00	Extracted:	8/24/2004 13:10
Matrix:	Water	QC Batch#:	2004/08/24-01.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/24/2004 13:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/24/2004 13:10	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/24/2004 13:10	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/24/2004 13:10	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/24/2004 13:10	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/24/2004 13:10	
Benzene	ND	0.50	ug/L	1.00	08/24/2004 13:10	
Toluene	ND	0.50	ug/L	1.00	08/24/2004 13:10	
Ethylbenzene	ND	0.50	ug/L	1.00	08/24/2004 13:10	
Total xylenes	ND	1.0	ug/L	1.00	08/24/2004 13:10	
Surrogate(s)						
1,2-Dichloroethane-d4	109.3	72-128	%	1.00	08/24/2004 13:10	
Toluene-d8	101.7	80-113	%	1.00	08/24/2004 13:10	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-2 (12 AUG 04)**	Lab ID:	2004-08-0429 - 2
Sampled:	08/12/2004 16:10	Extracted:	8/26/2004 11:59
Matrix:	Water	QC Batch#:	2004/08/26-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/26/2004 11:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/26/2004 11:59	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/26/2004 11:59	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/26/2004 11:59	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/26/2004 11:59	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/26/2004 11:59	
Benzene	ND	0.50	ug/L	1.00	08/26/2004 11:59	
Toluene	ND	0.50	ug/L	1.00	08/26/2004 11:59	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2004 11:59	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2004 11:59	
Surrogate(s)						
1,2-Dichloroethane-d4	116.9	72-128	%	1.00	08/26/2004 11:59	
Toluene-d8	102.0	80-113	%	1.00	08/26/2004 11:59	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-3 (12 AUG 04)**	Lab ID:	2004-08-0429 - 3
Sampled:	08/12/2004 08:40	Extracted:	8/24/2004 13:48
Matrix:	Water	QC Batch#:	2004/08/24-01.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	58	50	ug/L	1.00	08/24/2004 13:48	g
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/24/2004 13:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/24/2004 13:48	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/24/2004 13:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/24/2004 13:48	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/24/2004 13:48	
Benzene	ND	0.50	ug/L	1.00	08/24/2004 13:48	
Toluene	ND	0.50	ug/L	1.00	08/24/2004 13:48	
Ethylbenzene	ND	0.50	ug/L	1.00	08/24/2004 13:48	
Total xylenes	ND	1.0	ug/L	1.00	08/24/2004 13:48	
Surrogate(s)						
1,2-Dichloroethane-d4	101.9	72-128	%	1.00	08/24/2004 13:48	
Toluene-d8	105.5	80-113	%	1.00	08/24/2004 13:48	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-4 (12 AUG 04)**	Lab ID:	2004-08-0429 - 4
Sampled:	08/12/2004 05:00	Extracted:	8/24/2004 16:01
Matrix:	Water	QC Batch#:	2004/08/24-01.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/24/2004 16:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/24/2004 16:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/24/2004 16:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/24/2004 16:01	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/24/2004 16:01	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/24/2004 16:01	
Benzene	ND	0.50	ug/L	1.00	08/24/2004 16:01	
Toluene	ND	0.50	ug/L	1.00	08/24/2004 16:01	
Ethylbenzene	ND	0.50	ug/L	1.00	08/24/2004 16:01	
Total xylenes	ND	1.0	ug/L	1.00	08/24/2004 16:01	
Surrogate(s)						
1,2-Dichloroethane-d4	106.8	72-128	%	1.00	08/24/2004 16:01	
Toluene-d8	99.0	80-113	%	1.00	08/24/2004 16:01	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-5 (12 AUG 04)**	Lab ID:	2004-08-0429 - 5
Sampled:	08/12/2004 07:00	Extracted:	8/25/2004 04:08
Matrix:	Water	QC Batch#:	2004/08/24-03.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/25/2004 04:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2004 04:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/25/2004 04:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/25/2004 04:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/25/2004 04:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/25/2004 04:08	
Benzene	ND	0.50	ug/L	1.00	08/25/2004 04:08	
Toluene	ND	0.50	ug/L	1.00	08/25/2004 04:08	
Ethylbenzene	ND	0.50	ug/L	1.00	08/25/2004 04:08	
Total xylenes	ND	1.0	ug/L	1.00	08/25/2004 04:08	
Surrogate(s)						
1,2-Dichloroethane-d4	104.7	72-128	%	1.00	08/25/2004 04:08	
Toluene-d8	105.7	80-113	%	1.00	08/25/2004 04:08	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s): 5030B
Test(s): 8260B
Sample ID: **B-6 (12 AUG 04)**
Lab ID: 2004-08-0429 - 6
Sampled: 08/12/2004 06:12
Extracted: 8/25/2004 13:43
Matrix: Water
QC Batch#: 2004/08/25-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/25/2004 13:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2004 13:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/25/2004 13:43	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/25/2004 13:43	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/25/2004 13:43	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/25/2004 13:43	
Benzene	ND	0.50	ug/L	1.00	08/25/2004 13:43	
Toluene	ND	0.50	ug/L	1.00	08/25/2004 13:43	
Ethylbenzene	ND	0.50	ug/L	1.00	08/25/2004 13:43	
Total xylenes	ND	1.0	ug/L	1.00	08/25/2004 13:43	
Surrogate(s)						
1,2-Dichloroethane-d4	119.7	72-128	%	1.00	08/25/2004 13:43	
Toluene-d8	101.2	80-113	%	1.00	08/25/2004 13:43	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s): 5030B
Sample ID: **B-7 (12 AUG 04)**
Sampled: 08/12/2004 07:53
Matrix: Water

Test(s): 8260B
Lab ID: 2004-08-0429 - 7
Extracted: 8/26/2004 12:43
QC Batch#: 2004/08/26-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	81	50	ug/L	1.00	08/26/2004 12:43	g
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/26/2004 12:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/26/2004 12:43	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/26/2004 12:43	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/26/2004 12:43	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/26/2004 12:43	
Benzene	ND	0.50	ug/L	1.00	08/26/2004 12:43	
Toluene	ND	0.50	ug/L	1.00	08/26/2004 12:43	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2004 12:43	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2004 12:43	
Surrogate(s)						
1,2-Dichloroethane-d4	108.0	72-128	%	1.00	08/26/2004 12:43	
Toluene-d8	103.3	80-113	%	1.00	08/26/2004 12:43	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s): 5030B
Sample ID: **MW-1 (12 AUG 04)**
Sampled: 08/12/2004 12:40
Matrix: Water

Test(s): 8260B
Lab ID: 2004-08-0429 - 8
Extracted: 8/25/2004 14:27
QC Batch#: 2004/08/25-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2900	50	ug/L	1.00	08/25/2004 14:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2004 14:27	
Methyl tert-butyl ether (MTBE)	0.72	0.50	ug/L	1.00	08/25/2004 14:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/25/2004 14:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/25/2004 14:27	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/25/2004 14:27	
Benzene	9.1	0.50	ug/L	1.00	08/25/2004 14:27	
Toluene	6.0	0.50	ug/L	1.00	08/25/2004 14:27	
Ethylbenzene	130	0.50	ug/L	1.00	08/25/2004 14:27	
Total xylenes	160	1.0	ug/L	1.00	08/25/2004 14:27	
Surrogate(s)						
1,2-Dichloroethane-d4	116.5	72-128	%	1.00	08/25/2004 14:27	
Toluene-d8	102.2	80-113	%	1.00	08/25/2004 14:27	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2 (12 AUG 04)**	Lab ID:	2004-08-0429 - 9
Sampled:	08/12/2004 12:09	Extracted:	8/25/2004 14:50
Matrix:	Water	QC Batch#:	2004/08/25-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3100	50	ug/L	1.00	08/25/2004 14:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2004 14:50	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/25/2004 14:50	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/25/2004 14:50	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/25/2004 14:50	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/25/2004 14:50	
Benzene	2.6	0.50	ug/L	1.00	08/25/2004 14:50	
Toluene	1.8	0.50	ug/L	1.00	08/25/2004 14:50	
Ethylbenzene	ND	0.50	ug/L	1.00	08/25/2004 14:50	
Total xylenes	13	1.0	ug/L	1.00	08/25/2004 14:50	
Surrogate(s)						
1,2-Dichloroethane-d4	121.2	72-128	%	1.00	08/25/2004 14:50	
Toluene-d8	98.5	80-113	%	1.00	08/25/2004 14:50	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3 (12 AUG 04)**	Lab ID:	2004-08-0429 - 10
Sampled:	08/12/2004 11:15	Extracted:	8/25/2004 15:12
Matrix:	Water	QC Batch#:	2004/08/25-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	50	ug/L	1.00	08/25/2004 15:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2004 15:12	
Methyl tert-butyl ether (MTBE)	1.4	0.50	ug/L	1.00	08/25/2004 15:12	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	08/25/2004 15:12	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/25/2004 15:12	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/25/2004 15:12	
Benzene	4.5	0.50	ug/L	1.00	08/25/2004 15:12	
Toluene	ND	0.50	ug/L	1.00	08/25/2004 15:12	
Ethylbenzene	6.0	0.50	ug/L	1.00	08/25/2004 15:12	
Total xylenes	1.8	1.0	ug/L	1.00	08/25/2004 15:12	
Surrogate(s)						
1,2-Dichloroethane-d4	123.3	72-128	%	1.00	08/25/2004 15:12	
Toluene-d8	107.6	80-113	%	1.00	08/25/2004 15:12	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B
Test(s): 8260B

Method Blank
Water
QC Batch # 2004/08/24-01.68

MB: 2004/08/24-01.68-043
Date Extracted: 08/24/2004 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/24/2004 10:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/24/2004 10:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/24/2004 10:43	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	08/24/2004 10:43	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/24/2004 10:43	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/24/2004 10:43	
Benzene	ND	0.5	ug/L	08/24/2004 10:43	
Toluene	ND	0.5	ug/L	08/24/2004 10:43	
Ethylbenzene	ND	0.5	ug/L	08/24/2004 10:43	
Total xylenes	ND	1.0	ug/L	08/24/2004 10:43	
Surrogates(s)					
1,2-Dichloroethane-d4	100.2	72-128	%	08/24/2004 10:43	
Toluene-d8	100.8	80-113	%	08/24/2004 10:43	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/08/24-03.66-007

Water

Test(s): 8260B
QC Batch # 2004/08/24-03.66
Date Extracted: 08/24/2004 19:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/24/2004 19:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/24/2004 19:07	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/24/2004 19:07	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	08/24/2004 19:07	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/24/2004 19:07	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/24/2004 19:07	
Benzene	ND	0.5	ug/L	08/24/2004 19:07	
Toluene	ND	0.5	ug/L	08/24/2004 19:07	
Ethylbenzene	ND	0.5	ug/L	08/24/2004 19:07	
Total xylenes	ND	1.0	ug/L	08/24/2004 19:07	
Surrogates(s)					
1,2-Dichloroethane-d4	97.6	72-128	%	08/24/2004 19:07	
Toluene-d8	100.0	80-113	%	08/24/2004 19:07	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2004/08/25-01.64

MB: 2004/08/25-01.64-015

Date Extracted: 08/25/2004 07:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/25/2004 07:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/25/2004 07:15	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/25/2004 07:15	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	08/25/2004 07:15	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/25/2004 07:15	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/25/2004 07:15	
Benzene	ND	0.5	ug/L	08/25/2004 07:15	
Toluene	ND	0.5	ug/L	08/25/2004 07:15	
Ethylbenzene	ND	0.5	ug/L	08/25/2004 07:15	
Total xylenes	ND	1.0	ug/L	08/25/2004 07:15	
Surrogates(s)					
1,2-Dichloroethane-d4	107.2	72-128	%	08/25/2004 07:15	
Toluene-d8	104.8	80-113	%	08/25/2004 07:15	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/08/26-01.64-059

Water

Test(s): 8260B
QC Batch # 2004/08/26-01.64
Date Extracted: 08/26/2004 06:59

Compound	*Conc.*	*RL*	*Unit*	*Analyzed*	*Flag*
Gasoline	ND	50	ug/L	08/26/2004 06:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/26/2004 06:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/26/2004 06:59	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	08/26/2004 06:59	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/26/2004 06:59	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/26/2004 06:59	
Benzene	ND	0.5	ug/L	08/26/2004 06:59	
Toluene	ND	0.5	ug/L	08/26/2004 06:59	
Ethylbenzene	ND	0.5	ug/L	08/26/2004 06:59	
Total xylenes	ND	1.0	ug/L	08/26/2004 06:59	
Surrogates(s)					
1,2-Dichloroethane-d4	108.6	72-128	%	08/26/2004 06:59	
Toluene-d8	108.0	80-113	%	08/26/2004 06:59	

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/24-01.68**

LCS 2004/08/24-01.68-005 Extracted: 08/24/2004 Analyzed: 08/24/2004 10:05
LCSD 2004/08/24-01.68-024 Extracted: 08/24/2004 Analyzed: 08/24/2004 10:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.1	31.2	25.0	112.4	124.8	10.5	65-165	20		
Benzene	26.0	26.7	25.0	104.0	106.8	2.7	69-129	20		
Toluene	30.4	30.3	25.0	121.6	121.2	0.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	467	459	500	93.4	91.8		72-128			
Toluene-d8	507	479	500	101.4	95.8		80-113			

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/24-03.66**

LCS 2004/08/24-03.66-022 Extracted: 08/24/2004 Analyzed: 08/24/2004 18:22

LCSD 2004/08/24-03.66-045 Extracted: 08/24/2004 Analyzed: 08/24/2004 18:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.3	28.1	25.0	93.2	112.4	18.7	65-165	20		
Benzene	26.4	29.9	25.0	105.6	119.6	12.4	69-129	20		
Toluene	24.9	28.3	25.0	99.6	113.2	12.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	474	467	500	94.8	93.4		72-128			
Toluene-d8	500	517	500	100.0	103.4		80-113			

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/25-01.64**

LCS 2004/08/25-01.64-054 Extracted: 08/25/2004 Analyzed: 08/25/2004 06:31

LCSD 2004/08/25-01.64-053 Extracted: 08/25/2004 Analyzed: 08/25/2004 06:53

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.3	27.2	25.0	109.2	108.8	0.4	65-165	20		
Benzene	26.3	24.5	25.0	105.2	98.0	7.1	69-129	20		
Toluene	29.3	27.5	25.0	117.2	110.0	6.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	499	511	500	99.8	102.2		72-128	0		
Toluene-d8	543	518	500	108.6	103.6		80-113	0		

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/26-01.64**

LCS 2004/08/26-01.64-014 Extracted: 08/26/2004 Analyzed: 08/26/2004 06:14
LCSD 2004/08/26-01.64-036 Extracted: 08/26/2004 Analyzed: 08/26/2004 06:36

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.0	25.2	25.0	96.0	100.8	4.9	65-165	20		
Benzene	25.3	26.0	25.0	101.2	104.0	2.7	69-129	20		
Toluene	25.5	25.9	25.0	102.0	103.6	1.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	510	514	500	102.0	102.8		72-128			
Toluene-d8	522	522	500	104.4	104.4		80-113			

Fuel Oxygenates by 8260B

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Project: P279
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street, Oakland, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

2004-08-0429

40155

STREAMBORN
Chain-of-Custody Form

Project Name: Eandi Metal Works	Project Location: 2440 East Eleventh Street, Oakland CA	Project Number: P279
Sampler: Matthew B. Hall	Laboratory: STL San Francisco	Laboratory Number:

Sample Designation	Date	Time	Matrix			Type		Containers		Preservative	Field Filtration?	Turnaround			Analyses						Sampler Comments	Laboratory Comments
			Soil	Water	Vapor	Grab	Composite	Quantity	Type			48-Hour	5- Working Days	10-Working Days		TPH-gasoline/ BTEX/fuel oxygenates (EPA Method 8260)	Total lead					
B-1 (12 Aug 04)	12-Aug-04	2:00		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
B-1 (12 Aug 04)	12-Aug-04	2:00		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
B-2 (12 Aug 04)	12-Aug-04	4:10		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
B-2 (12 Aug 04)	12-Aug-04	4:10		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
B-3 (12 Aug 04)	12-Aug-04	8:40		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
B-3 (12 Aug 04)	12-Aug-04	8:40		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
B-4 (12 Aug 04)	12-Aug-04	5:00		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
B-4 (12 Aug 04)	12-Aug-04	5:00		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
B-5 (12 Aug 04)	12-Aug-04	7:00		x		x		3	40 mL VOAs	HCl, ice	no			x		x						4.0 c
B-5 (12 Aug 04)	12-Aug-04	7:00		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
B-6 (12 Aug 04)	12-Aug-04	6:12		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
B-6 (12 Aug 04)	12-Aug-04	6:12		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
B-7 (12 Aug 04)	12-Aug-04	7:53		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
B-7 (12 Aug 04)	12-Aug-04	7:53		x		x		1	250 mL poly	HNO_3, ice	no			x			x					

Note: Sampler and laboratory to observe preservative, condition, integrity, etc. of samples and record (under "Comments") any exceptions from standard protocols.

Relinquished By:	Received By:	Date: 8/16/04	Time: 1250
Relinquished By:	Received By:	Date: 8/16/04	Time: 1800

STREAMBORN Mail: PO Box 8330, Berkeley CA 94707-8330 Office: 900 Santa Fe Ave, Albany CA 94706 510-528-4234 Fax: 528-2613

Report results to info@streamborn.com

STREAMBORN
Chain-of-Custody Form

2004-08-0429

Project Name: Eandi Metal Works	Project Location: 2440 East Eleventh Street, Oakland CA	Project Number: P279
Sampler: Matthew B. Hall	Laboratory: STL San Francisco	Laboratory Number:

Sample Designation	Date	Time	Matrix: Soil	Matrix: Water	Matrix: Vapor	Type: Grab	Type: Composite	Containers: Quantity	Containers: Type	Preservative	Field Filtration?	Turnaround: 48-Hour	Turnaround: 5- Working Days	Turnaround: 10-Working Days	Analyses	Analyses: TPH-gasoline/ BTEX/fuel oxygenates (EPA Method 8260)	Analyses: Total lead	Analyses	Analyses	Analyses	Sampler Comments	Laboratory Comments
MW-1 (12 Aug 04)	12-Aug-04	12:10		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
MW-1 (12 Aug 04)	12-Aug-04	12:10		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
MW-2 (12 Aug 04)	12-Aug-04	12:09		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
MW-2 (12 Aug 04)	12-Aug-04	12:09		x		x		1	250 mL poly	HNO_3, ice	no			x			x					
MW-3 (12 Aug 04)	12-Aug-04	11:15		x		x		3	40 mL VOAs	HCl, ice	no			x		x						
MW-3 (12 Aug 04)	12-Aug-04	11:15		x		x		1	250 mL poly	HNO_3, ice	no			x			x					

Note: Sampler and laboratory to observe preservative, condition, integrity, etc. of samples and record (under "Comments") any exceptions from standard protocols.

Relinquished By:	Received By:	Date: 8/16/04	Time: 1250
Relinquished By:	Received By:	Date:	Time:

STREAMBORN Mail: PO Box 8330, Berkeley CA 94707-8330 Office: 900 Santa Fe Ave, Albany CA 94706 510-528-4234 Fax: 528-2613

Report results to info@streamborn.com

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 16 - 0429

Checklist completed by: (initials) MV Date: 08/17/04

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___	No___	Not Present ✓
Chain of custody present?	Yes ✓	No___	
Chain of custody signed when relinquished and received?	Yes ✓	No___	
Chain of custody agrees with sample labels?	Yes ✓	No___	
Samples in proper container/bottle?	Yes ✓	No___	
Sample containers intact?	Yes ✓	No___	
Sufficient sample volume for indicated test?	Yes ✓	No___	
All samples received within holding time?	Yes ✓	No___	

Container/Temp Blank temperature in compliance (4° C ± 2)? Temp 4.0 °C Yes ✓ No___

Potential reason for > 6 °C: Ice melted ☐ Ice in bags ☐ Not enough ice ☐ Not enough blue ice ☐ Samples in boxes ☐

Sampled < 4hr. ago? ☐ Ice not required (e.g. air or bulk sample) ☐

Ice Present: Yes ✓ No___

Water - VOA vials have zero headspace? No VOA vials submitted___ Yes ✓ No___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - **pH acceptable upon receipt?** ☐ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

SEVERN TRENT STL

Submission#: 2004-08-0426

Streamborn Consulting Services

August 31, 2004

900 Sante Fe Avenue
Albany, CA 94706

Attn.: Matthew Hall

Project#: P279 GW
Project: Eandi Metal Works
Site: 2440 East Eleventh Street Oakland CA

Attached is our report for your samples received on 08/16/2004 18:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/30/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-08-0426

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1 (12-12.5)	08/12/2004 08:30	Soil	1
B-1 (19.5-20)	08/12/2004 08:45	Soil	2
B-2 (11.5-12)	08/12/2004 11:00	Soil	3
B-2 (31.5-32)	08/12/2004 12:20	Soil	4
B-3 (19.5-20)	08/12/2004 09:45	Soil	5
B-3 (28.5-29)	08/12/2004 05:20	Soil	6
B-4 (16-16.5)	08/12/2004 01:30	Soil	7
B-4 (19.5-20)	08/12/2004 01:45	Soil	8
B-5 (11.5-12)	08/12/2004 03:15	Soil	9
B-5 (27.5-28)	08/12/2004 03:50	Soil	10
B-6 (11.5-12)	08/12/2004 02:30	Soil	11
B-6 (23.5-24)	08/12/2004 02:50	Soil	12
B-7 (18-18.5)	08/12/2004 04:30	Soil	13
B-7 (19.5-20)	08/12/2004 04:31	Soil	14

Total Lead

Streamborn Consulting Services
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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-1 (12-12.5)**
Sampled: 08/12/2004 08:30
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426 - 1
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.0	1.0	mg/Kg	1.00	08/18/2004 10:20	

Total Lead

Streamborn Consulting Services
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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**B-1 (19.5-20)**	Lab ID:	2004-08-0426 - 2
Sampled:	08/12/2004 08:45	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.8	1.0	mg/Kg	1.00	08/18/2004 10:23	

Total Lead

Streamborn Consulting Services
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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-2 (11.5-12)**
Sampled: 08/12/2004 11:00
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426.- 3
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.0	1.0	mg/Kg	1.00	08/18/2004 10:40	

Total Lead

Streamborn Consulting Services
Attn.: Matthew Hall

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-2 (31.5-32)**
Sampled: 08/12/2004 12:20
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426-4
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.3	1.0	mg/Kg	1.00	08/18/2004 10:43	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-3 (19.5-20)**
Sampled: 08/12/2004 09:45
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426 - 5
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.7	1.0	mg/Kg	1.00	08/18/2004 10:47	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Test(s): 6010B
Sample ID: **B-3 (28.5-29)**
Lab ID: 2004-08-0426 - 6
Sampled: 08/12/2004 05:20
Extracted: 8/17/2004 10:00
Matrix: Soil
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	10	1.0	mg/Kg	1.00	08/18/2004 10:50	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**B-4 (16-16.5)**	Lab ID:	2004-08-0426 - 7
Sampled:	08/12/2004 01:30	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	13	1.0	mg/Kg	1.00	08/18/2004 10:53	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-4 (19.5-20)**
Sampled: 08/12/2004 01:45
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426 - 8
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.6	1.0	mg/Kg	1.00	08/18/2004 10:57	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-5 (11.5-12)**
Sampled: 08/12/2004 03:15
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426 - 9
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.0	1.0	mg/Kg	1.00	08/18/2004 11:00	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-5 (27.5-28)**
Sampled: 08/12/2004 03:50
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426 - 10
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.9	1.0	mg/Kg	1.00	08/18/2004 11:03	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**B-6 (11.5-12)**	Lab ID:	2004-08-0426 - 11
Sampled:	08/12/2004 02:30	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.4	1.0	mg/Kg	1.00	08/18/2004 11:06	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-6 (23.5-24)**
Sampled: 08/12/2004 02:50
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426 - 12
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	61	1.0	mg/Kg	1.00	08/18/2004 11:09	

Total Lead

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Attn.: Matthew Hall

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 3050B
Sample ID: **B-7 (18-18.5)**
Sampled: 08/12/2004 04:30
Matrix: Soil

Test(s): 6010B
Lab ID: 2004-08-0426-13
Extracted: 8/17/2004 10:00
QC Batch#: 2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	11	1.0	mg/Kg	1.00	08/18/2004 11:25	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**B-7 (19.5-20)**	Lab ID:	2004-08-0426 - 14
Sampled:	08/12/2004 04:31	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.1	1.0	mg/Kg	1.00	08/18/2004 11:29	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 3050B
Method Blank
MB: 2004/08/17-04.15-042

Soil

Test(s): 6010B
QC Batch # 2004/08/17-04.15
Date Extracted: 08/17/2004 10:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	08/18/2004 09:24	

Total Lead

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2004/08/17-04.15**

LCS 2004/08/17-04.15-043 Extracted: 08/17/2004 Analyzed: 08/18/2004 09:29
LCSD 2004/08/17-04.15-044 Extracted: 08/17/2004 Analyzed: 08/18/2004 09:33

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	104	105	100.0	104.0	105.0	1.0	80-120	20		

SEVERN TRENT STL

Submission: 2004-08-0426

Fuel Oxygenates by 8260B

Streamborn Consulting Services
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Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-1 (12-12.5)	08/12/2004 08:30	Soil	1
B-1 (19.5-20)	08/12/2004 08:45	Soil	2
B-2 (11.5-12)	08/12/2004 11:00	Soil	3
B-2 (31.5-32)	08/12/2004 12:20	Soil	4
B-3 (19.5-20)	08/12/2004 09:45	Soil	5
B-3 (28.5-29)	08/12/2004 05:20	Soil	6
B-4 (16-16.5)	08/12/2004 01:30	Soil	7
B-4 (19.5-20)	08/12/2004 01:45	Soil	8
B-5 (11.5-12)	08/12/2004 03:15	Soil	9
B-5 (27.5-28)	08/12/2004 03:50	Soil	10
B-6 (11.5-12)	08/12/2004 02:30	Soil	11
B-6 (23.5-24)	08/12/2004 02:50	Soil	12
B-7 (18-18.5)	08/12/2004 04:30	Soil	13
B-7 (19.5-20)	08/12/2004 04:31	Soil	14

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-1 (12-12.5)**
Sampled: 08/12/2004 08:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 1
Extracted: 8/18/2004 12:16
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 12:16	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 12:16	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 12:16	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 12:16	
Surrogate(s)						
1,2-Dichloroethane-d4	89.0	72-124	%	1.00	08/18/2004 12:16	
Toluene-d8	102.6	75-116	%	1.00	08/18/2004 12:16	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-1 (19.5-20)**
Sampled: 08/12/2004 08:45
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 2
Extracted: 8/18/2004 12:34
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 12:34	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 12:34	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 12:34	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 12:34	
Surrogate(s)						
1,2-Dichloroethane-d4	87.9	72-124	%	1.00	08/18/2004 12:34	
Toluene-d8	97.3	75-116	%	1.00	08/18/2004 12:34	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-2 (11.5-12)**
Sampled: 08/12/2004 11:00
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 3
Extracted: 8/18/2004 12:53
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 12:53	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 12:53	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 12:53	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 12:53	
Surrogate(s)						
1,2-Dichloroethane-d4	89.1	72-124	%	1.00	08/18/2004 12:53	
Toluene-d8	112.9	75-116	%	1.00	08/18/2004 12:53	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-2 (31.5-32)**
Sampled: 08/12/2004 12:20
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 4
Extracted: 8/18/2004 13:11
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 13:11	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 13:11	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 13:11	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 13:11	
Surrogate(s)						
1,2-Dichloroethane-d4	91.7	72-124	%	1.00	08/18/2004 13:11	
Toluene-d8	96.1	75-116	%	1.00	08/18/2004 13:11	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-3 (19.5-20)**	Lab ID:	2004-08-0426 - 5
Sampled:	08/12/2004 09:45	Extracted:	8/18/2004 13:29
Matrix:	Soil	QC Batch#:	2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 13:29	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 13:29	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 13:29	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 13:29	
Surrogate(s)						
1,2-Dichloroethane-d4	88.5	72-124	%	1.00	08/18/2004 13:29	
Toluene-d8	91.7	75-116	%	1.00	08/18/2004 13:29	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-3 (28.5-29)**
Sampled: 08/12/2004 05:20
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 6
Extracted: 8/18/2004 13:47
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 13:47	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 13:47	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 13:47	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 13:47	
Surrogate(s)						
1,2-Dichloroethane-d4	92.8	72-124	%	1.00	08/18/2004 13:47	
Toluene-d8	103.9	75-116	%	1.00	08/18/2004 13:47	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-4 (16-16.5)**
Sampled: 08/12/2004 01:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 7
Extracted: 8/18/2004 14:06
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 14:06	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 14:06	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 14:06	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 14:06	
Surrogate(s)						
1,2-Dichloroethane-d4	92.6	72-124	%	1.00	08/18/2004 14:06	
Toluene-d8	98.0	75-116	%	1.00	08/18/2004 14:06	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-4 (19.5-20)**
Sampled: 08/12/2004 01:45
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 8
Extracted: 8/18/2004 15:47
QC Batch#: 2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 15:47	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 15:47	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 15:47	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 15:47	
Surrogate(s)						
1,2-Dichloroethane-d4	91.3	72-124	%	1.00	08/18/2004 15:47	
Toluene-d8	102.5	75-116	%	1.00	08/18/2004 15:47	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
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Albany, CA 94706
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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-5 (11.5-12)**
Sampled: 08/12/2004 03:15
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 9
Extracted: 8/19/2004 15:53
QC Batch#: 2004/08/19-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/19/2004 15:53	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/19/2004 15:53	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/19/2004 15:53	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
Benzene	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
Toluene	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
Total xylenes	ND	5.0	ug/Kg	1.00	08/19/2004 15:53	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	72-124	%	1.00	08/19/2004 15:53	
Toluene-d8	105.2	75-116	%	1.00	08/19/2004 15:53	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-5 (27.5-28)**	Lab ID:	2004-08-0426 - 10
Sampled:	08/12/2004 03:50	Extracted:	8/18/2004 14:24
Matrix:	Soil	QC Batch#:	2004/08/18-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/18/2004 14:24	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/18/2004 14:24	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/18/2004 14:24	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
Benzene	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
Toluene	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
Total xylenes	ND	5.0	ug/Kg	1.00	08/18/2004 14:24	
Surrogate(s)						
1,2-Dichloroethane-d4	91.5	72-124	%	1.00	08/18/2004 14:24	
Toluene-d8	93.5	75-116	%	1.00	08/18/2004 14:24	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-6 (11.5-12)**
Sampled: 08/12/2004 02:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 11
Extracted: 8/19/2004 11:23
QC Batch#: 2004/08/19-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/19/2004 11:23	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/19/2004 11:23	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/19/2004 11:23	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
Benzene	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
Toluene	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
Total xylenes	ND	5.0	ug/Kg	1.00	08/19/2004 11:23	
Surrogate(s)						
1,2-Dichloroethane-d4	98.6	72-124	%	1.00	08/19/2004 11:23	
Toluene-d8	94.0	75-116	%	1.00	08/19/2004 11:23	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
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Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-6 (23.5-24)**
Sampled: 08/12/2004 02:50
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 12
Extracted: 8/19/2004 11:46
QC Batch#: 2004/08/19-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/19/2004 11:46	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/19/2004 11:46	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/19/2004 11:46	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
Benzene	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
Toluene	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
Total xylenes	ND	5.0	ug/Kg	1.00	08/19/2004 11:46	
Surrogate(s)						
1,2-Dichloroethane-d4	108.5	72-124	%	1.00	08/19/2004 11:46	
Toluene-d8	102.3	75-116	%	1.00	08/19/2004 11:46	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-7 (18-18.5)**
Sampled: 08/12/2004 04:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 13
Extracted: 8/19/2004 12:08
QC Batch#: 2004/08/19-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/19/2004 12:08	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/19/2004 12:08	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/19/2004 12:08	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
Benzene	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
Toluene	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
Total xylenes	ND	5.0	ug/Kg	1.00	08/19/2004 12:08	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	72-124	%	1.00	08/19/2004 12:08	
Toluene-d8	94.1	75-116	%	1.00	08/19/2004 12:08	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

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Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Prep(s): 5030B
Sample ID: **B-7 (19.5-20)**
Sampled: 08/12/2004 04:31
Matrix: Soil

Test(s): 8260B
Lab ID: 2004-08-0426 - 14
Extracted: 8/19/2004 12:31
QC Batch#: 2004/08/19-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	08/19/2004 12:31	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	08/19/2004 12:31	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	08/19/2004 12:31	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
Benzene	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
Toluene	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
Ethyl benzene	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
Total xylenes	ND	5.0	ug/Kg	1.00	08/19/2004 12:31	
Surrogate(s)						
1,2-Dichloroethane-d4	102.2	72-124	%	1.00	08/19/2004 12:31	
Toluene-d8	104.2	75-116	%	1.00	08/19/2004 12:31	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

900 Sante Fe Avenue
Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/08/18-01.69-052

Soil

Test(s): 8260B
QC Batch # 2004/08/18-01.69
Date Extracted: 08/18/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	08/18/2004 07:52	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	08/18/2004 07:52	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	08/18/2004 07:52	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	08/18/2004 07:52	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	08/18/2004 07:52	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	08/18/2004 07:52	
Benzene	ND	5.0	ug/Kg	08/18/2004 07:52	
Toluene	ND	5.0	ug/Kg	08/18/2004 07:52	
Ethyl benzene	ND	5.0	ug/Kg	08/18/2004 07:52	
Total xylenes	ND	5.0	ug/Kg	08/18/2004 07:52	
Surrogates(s)					
1,2-Dichloroethane-d4	91.0	72-124	%	08/18/2004 07:52	
Toluene-d8	96.6	75-116	%	08/18/2004 07:52	

Fuel Oxygenates by 8260B

Streamborn Consulting Services
Attn.: Matthew Hall

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Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/08/19-01.62-052

Soil

Test(s): 8260B
QC Batch # 2004/08/19-01.62
Date Extracted: 08/19/2004 09:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	08/19/2004 09:52	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	08/19/2004 09:52	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	08/19/2004 09:52	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	08/19/2004 09:52	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	08/19/2004 09:52	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	08/19/2004 09:52	
Benzene	ND	5.0	ug/Kg	08/19/2004 09:52	
Toluene	ND	5.0	ug/Kg	08/19/2004 09:52	
Ethyl benzene	ND	5.0	ug/Kg	08/19/2004 09:52	
Total xylenes	ND	5.0	ug/Kg	08/19/2004 09:52	
Surrogates(s)					
1,2-Dichloroethane-d4	93.8	72-124	%	08/19/2004 09:52	
Toluene-d8	97.2	75-116	%	08/19/2004 09:52	

Fuel Oxygenates by 8260B

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Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/08/18-01.69**

LCS 2004/08/18-01.69-015 Extracted: 08/18/2004 Analyzed: 08/18/2004 07:15
LCSD 2004/08/18-01.69-034 Extracted: 08/18/2004 Analyzed: 08/18/2004 07:34

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	46.9	40.3	50.0	93.8	80.6	15.1	65-165	20		
Benzene	53.2	57.3	50.0	106.4	114.6	7.4	69-129	20		
Toluene	53.9	55.2	50.0	107.8	110.4	2.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	418	396	500	83.6	79.2		72-124			
Toluene-d8	515	519	500	103.0	103.8		75-116			

Fuel Oxygenates by 8260B

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Albany, CA 94706
Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/08/19-01.62**

LCS 2004/08/19-01.62-003 Extracted: 08/19/2004 Analyzed: 08/19/2004 08:03

LCSD 2004/08/19-01.62-029 Extracted: 08/19/2004 Analyzed: 08/19/2004 09:29

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	44.9	102	50.0	89.8	102.0	12.7	65-165	20		
Benzene	44.4	95.8	50.0	88.8	95.8	7.6	69-129	20		
Toluene	50.8	93.7	50.0	101.6	93.7	8.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	480	443	500	96.0	88.6		72-124			
Toluene-d8	516	505	500	103.2	101.0		75-116			

Fuel Oxygenates by 8260B

Streamborn Consulting Services
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Phone: (510) 528-4234 Fax: (510) 528-2613

Project: P279 GW
Eandi Metal Works

Received: 08/16/2004 18:00

Site: 2440 East Eleventh Street Oakland CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/08/18-01.69**

B-5 (27.5-28) >> MS

Lab ID: 2004-08-0426 - 010

MS: 2004/08/18-01.69-042 Extracted: 08/18/2004

Analyzed: 08/18/2004 14:42

Dilution: 1.00

MSD: 2004/08/18-01.69-029 Extracted: 08/18/2004

Analyzed: 08/18/2004 15:00

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	28.6	31.4	ND	49.2	58.1	64.7	10.7	65-165	20		
Benzene	34.6	45.5	ND	49.2	70.3	93.8	28.6	69-129	20		rpd
Toluene	37.5	42.2	ND	49.2	76.2	87.0	13.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	451	421		500	90.2	84.2		72-124			
Toluene-d8	551	496		500	110.2	99.2		75-116			

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 08 - 0426

Checklist completed by: (initials) MN Date: 08/17/04

Courier name: STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes ___	No ___	Not Present ✓
Chain of custody present?	Yes ✓	No ___	
Chain of custody signed when relinquished and received?	Yes ✓	No ___	
Chain of custody agrees with sample labels?	Yes ✓	No ___	
Samples in proper container/bottle?	Yes ✓	No ___	
Sample containers intact?	Yes ___	No ✓	
Sufficient sample volume for indicated test?	Yes ✓	No ___	
All samples received within holding time?	Yes ✓	No ___	
Container/Temp Blank temperature in compliance (4° C ± 2)?	Temp 4.0 C	Yes ✓	No ___
Potential reason for > 6 C: Ice melted ☐ Ice in bags ☐ Not enough ice ☐ No enough blue ice ☐ Samples in boxes ☐			
Sampled < 4hr. ago? ☐ Ice not required (e.g. air or bulk sample) ☐	Ice Present	Yes ✓	No ___
Water - VOA vials have zero headspace?	No VOA vials submitted ✓	Yes ___	No ___

So R

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - pH acceptable upon receipt? ☐ Yes ☐ No

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: SAMPLE B-3 (28.5-29) PLASTIC LINER HAS A CRACK (SMALL)

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: 8/17/04 Client contacted: ☒ Yes ☐ No

Summary of discussion: emailed Matt regarding crack in the liner.

Corrective Action (per PM/Client):

STREAMBORN
Chain-of-Custody Form

2004-08-0426

Project Name: Eandi Metal Works	Project Location: 2440 East Eleventh Street, Oakland CA	Project Number: P279 GW
Sampler: Matthew B. Hall	Laboratory: STL San Francisco	Laboratory Number:

Sample Designation	Date	Time	Matrix: Soil	Matrix: Water	Matrix: Vapor	Type: Grab	Type: Composite	Containers: Quantity	Containers: Type	Preservative	Field Filtration?	Turnaround: 48-Hour	Turnaround: 5- Working Days	Turnaround: 10-Working Days	Analyses	Analyses: TPH-gasoline/ BTEX/fuel oxygenates (EPA Method 8260)	Analyses: Total lead	Analyses	Analyses	Analyses	Sampler Comments	Laboratory Comments
B-1 (12-12.5)	12-Aug-04	8:30	x			x		1	liner	ice				x		x	x					
B-1 (19.5-20)	12-Aug-04	8:45	x			x		1	liner	ice				x		x	x					
B-2 (11.5-12)	12-Aug-04	11:00	x			x		1	liner	ice				x		x	x					
B-2 (31.5-32)	12-Aug-04	12:20	x			x		1	liner	ice				x		x	x					
B-3 (19.5-20)	12-Aug-04	9:45	x			x		1	liner	ice				x		x	x					4.0 e
B-3 (29.5-29)	12-Aug-04	5:20	x			x		1	liner	ice				x		x	x					
B-4 (16-16.5)	12-Aug-04	1:30	x			x		1	liner	ice				x		x	x					
B-4 (19.5-20)	12-Aug-04	1:46	x			x		1	liner	ice				x		x	x					
B-5 (11.5-12)	12-Aug-04	3:15	x			x		1	liner	ice				x		x	x					
B-5 (27.5-28)	12-Aug-04	3:50	x			x		1	liner	ice				x		x	x					
B-6 (11.5-12)	12-Aug-04	2:30	x			x		1	liner	ice				x		x	x					
B-6 (23.5-24)	12-Aug-04	2:50	x			x		1	liner	ice				x		x	x					
B-7 (18-18.5)	12-Aug-04	4:30	x			x		1	liner	ice				x		x	x					
B-7 (19.5-20)	12-Aug-04	4:31	x			x		1	liner	ice				x		x	x					

Note: Sampler and laboratory to observe preservative, condition, integrity, etc. of samples and record (under "Comments") any exceptions from standard protocols.

Relinquished By: M. Hall	Received By:	Date: 8/16/04	Time: 1250
Relinquished By:	Received By:	Date: 8/16/04	Time: 1800

STREAMBORN Mail: PO Box 8330, Berkeley CA 94707-8330 Office: 900 Santa Fe Ave, Albany CA 94706 510-528-4234 Fax: 528-2613

Report results to info@streamborn.com

ATTACHMENT 6

Nonhazardous Waste Profile

STREAMBORN

NON-HAZARDOUS SOIL SAMPLE / RINSATE DATA FORM

GENERATOR

NAME: EANDI METAL WORKS PHONE: (510) 532-8311

ADDRESS: 976 TWENTY-THIRD AVENUE FAX: _____

CITY: OAKLAND CA 94606 STATE: CA ZIP: 94606

SITE INFORMATION

NAME: EANDI METAL WORKS PHONE: _____

ADDRESS: 2440 EAST ELEVENTH ST.

CITY: OAKLAND STATE: CA ZIP: ?

COMPONENTS OF WASTE	PPM	# PAILS 5 GAL	# DRUMS 55 GAL	WATER	SOIL
1 INVESTIGATION SOIL	30	0	1		X
2					
3					
4					

By signing below, the generator or agent for generator certifies that the above information is correct and the material considered for disposal is NON-HAZARDOUS.

PRINT NAME: MATTHEW HALL SIGNATURE: _____ DATE: 12 AUG 04

TRANSPORTER

Precision Sampling Inc.
1400 South 50th Street
Richmond, CA 94804

PHONE 510-237-4575
FAX 510-237-4574
WEB http://www.precisionsampling.com

SAMPLING RIG: GP-6 RIG OPERATOR: Ernesto Jasso

DATE: 8-12-04 SIGNATURE: Ernesto Jasso

PROCESSING FACILITY

WATER		SOIL	
COMPANY NAME		COMPANY NAME	
ADDRESS		ADDRESS	
CITY, ST, ZIP		CITY, ST, ZIP	
PHONE		PHONE	
RECIPIENTS SIGNATURE		RECIPIENTS SIGNATURE	
DATE		DATE	

This material has not been accepted for disposal by a facility. The quoted prices are contingent upon acceptance of the waste material by the disposal facility. The disposal facility may require additional analytical tests.

DATA FORM NUMBER _____