QUESTA

ENGINEERING CORP.

Phase 2

Environmental Site Assessment

Stone Boatyard
2517 Blanding Avenue
Alameda, California

Prepared For

Danny A. Reynolds
Ken Lindberg
Power Engineering
1501 Viking Street #200
Alameda, CA 94501

November 2004

Civil,
Environmental
& Water
Resources

QUESTA ENGINEERING CORP.

Civil, Environmental & Water Resources

November 18, 2004

Mr. Ken Lindberg
Mr. Danny Reynolds
Power Engineering
1501 Viking Street, Suite 200
Alameda, CA

Subject: Results of Phase II Environmental Site Assessment, Stone Boatyard, Alameda, California

Dear Mr. Lindberg and Mr. Reynolds:

This letter presents results of the sampling and testing performed at the Stone Boatyard site, 2517 Blanding Avenue in Alameda, California. Questa performed a Phase 2 Environmental Site Assessment, which included the drilling, logging and sampling of nine boreholes and the grab water sampling of five of those boreholes. Selected samples were tested for the metals Cadmium, Chromium, Copper, Lead, Nickel and Zinc, total petroleum hydrocarbons (TPH) as gasoline, diesel and motor oil, the gasoline constituents benzene, toluene, ethylbenzene and xylenes (BTEX), and volatile organic compounds (VOCs). Results of this sampling and testing are presented in the attached **Tables 1** and **2** with borehole locations shown on **Figure 1.** Logs of boreholes B1 through B9 are presented on **Figures 2** through **10.**

DRILLING AND SAMPLING METHODS

Drilling was performed using a track-mounted continuous flight auger rig. Solid stem augers 3.0 inches in outside diameter were used to advance the boreholes. Augers were decontaminated between holes by removal of the bulk of the cuttings, then a system of three vats. The initial vat contained tap water and non-phosphate detergent with soil removed with brushes; the second and third vats contained tap water. The augers were scrubbed and then rinsed in the final two vats. Soil cuttings were placed in a 55-gallon metal drum for future disposition. Rinse water was also placed in 55-gallon metal drums. Drums were sealed following work completion and are currently stored on site in a covered area.

Soil samples were collected directly from the auger using plastic sampling implements. Soils were immediately placed in pre-cleaned glass jars, sealed with lined plastic lids, labeled, and placed in a cooler with blue ice. Chain of custody documentation was maintained from the time of collection to the analysis by the laboratory.

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Sampling implements were cleaned using a system of 3 buckets. The first bucket contained tap water and non-phosphate detergent and brushes. This was followed by a tap water rinse in consecutive buckets. A final rinse with distilled water from a plastic jug completed the decontamination procedure.

Samples of groundwater were collected using pre-cleaned disposable PVC bailers lowered into the holes using nylon cord. Samples were collected in the open borehole and significant sediment was present in the groundwater samples. Bailers were used only in one hole and then discarded.

All holes were grouted using lean Portland cement to the ground surface. The surface seal was finished flush with the ground surface.

ANALYTICAL TESTING

Analytical testing was performed at two state-certified analytical testing laboratories. Curtis and Tompkins, Ltd. performed soil and water testing for TPH as gasoline, diesel and motor oil (EPA 8015), the gasoline constituents benzene, toluene, ethylbenzene and xylenes, volatile organic compounds (EPA 8260), and filtered (0.425 micrometer) groundwater samples for the metals cadmium, chromium, copper, nickel, lead, and zinc (EPA 6010). Micro Analytical Laboratories performed analytical testing on soil and unfiltered groundwater samples for the metals cadmium, chromium, copper, nickel, lead, and zinc (EPA 6010). Results of soil and groundwater sample testing are presented on **Tables 1** and **2.** Complete laboratory testing reports are presented in the **Appendix.**

DISCUSSION OF SOIL SAMPLE RESULTS

Based on our review of the field sampling and analytical data, there are several areas of concern on the site from an environmental cleanup standpoint. Two primary areas of contamination were found at the site.

Boat Painting Area

The first area of concern is the Boat Painting Area as shown on **Figure 1.** One borehole, B2, was completed in this area. The results of testing revealed the presence of lead concentrations (67,000 mg/kg) above the State of California Hazardous Waste Level as established in Title 22 of the California Code of Regulations (Title 22). The borehole also revealed elevated concentrations of TPH as diesel and motor oil, and the metal Chromium at levels that exceed the State of California Regional Water Quality Control Board (RWQCB) Environmental Screening Levels for Commercial/Industrial sites. The ESLs are a set of guidelines for site cleanup, but are not mandated by law as cleanup levels. Regulators and Consultants often use these levels as cleanup goals in lieu of performing costly Human Health Risk Assessments and Environmental Risk

Assessments. Volatile organic compounds (VOCs) were also detected at low levels in the soil and include Naphthalene, a common solvent, but do not exceed the ESLs (Naphthalene is close to the ESL). The hazardous waste levels of lead may extend to depths of approximately four to five deep below ground surface.

Title 22 hazardous waste levels of copper were detected in the Trap Backfill material adjacent to Borehole 2; copper concentration was 3,600 mg/kg. These materials are considered hazardous waste and should be cleaned up in accordance with Title 22. The levels of contamination would require disposal to a Class I hazardous waste disposal facility such as at Kettleman Hills.

Lead exceeding the ESL was also found in Borehole 3 at one foot below ground surface. Borehole 3 was located to the south of the Boat Painting Area as shown on **Figure 1.** This level is not considered a hazardous waste level under Title 22, but would require removal from the site as Special Waste (disposal to a Class II landfill such as Altamont landfill) during future site development.

Area Adjacent to Boat Travelway

The second area of concern is located adjacent to the Boat Travelway and was detected in Boreholes 5 and 6 as shown on **Figure 1.** TPH as diesel and gasoline concentrations in Borehole 6 at five feet below ground surface (bgs) and TPH as diesel concentrations in Borehole 5 at five and eight feet bgs exceed the RWQCB environmental screening level, and are considered a potential hazard to future development. Additionally, hazardous waste levels of the metal copper were detected in Borehole 6 at a depth of one foot bgs. The soils with hazardous waste level contamination should be removed, as these exceed the Title 22 hazardous waste levels. The other contaminated soils would require removal during any future site redevelopment. TPH levels above 1,000 mg/kg are generally considered hazardous, although Title 22 does not address petroleum hydrocarbons as hazardous waste. Levels detected in Borehole 5 and 6 should be considered for removal in any plans for redevelopment on the southern portion of the site.

DISCUSSION OF GROUNDWATER RESULTS

The results of groundwater testing revealed low levels of TPH as diesel contamination over the entire site. Elevated concentrations of TPH as diesel above the RWQCB ESLs were only detected in Borehole 2 in the Boat Painting Area. TPH as gasoline was only detected in the B2 and B5 water samples, and was reported to be due to overlap from the TPH as diesel concentrations. No gasoline constituents (BTEX) were detected in the groundwater. No volatile organic compounds were detected in the any of the groundwater samples.

The B2 groundwater sample contained elevated metals concentrations in unfiltered sample specimens, but these are interpreted as being due to sediment in the unfiltered groundwater collected from the open borehole immediately following the completion of drilling. Re-analysis of unpreserved groundwater samples was performed following filtration through the 0.425-micrometer filter by the laboratory. Only lead at 3.5 micrograms per liter and zinc at 23 micrograms per liter were detected. The lead level barely exceeds the ESL level of 2.5 micrograms/liter.

The unfiltered groundwater samples from B3, B4, B5 and B9 contained metals, but in samples filtered through the 0.425-micrometer filter no metals were detected. This indicates that metal contamination was due to sediment falling into the groundwater from the open boreholes during sampling.

TPH as diesel in the B5 groundwater sample was near, but lower than, the ESL level. TPH as gasoline in the same hole is below the ESL level, and the lab reported that the gasoline appears to be due to overlap from the TPH as diesel concentrations. No gasoline constituents (BTEX) were detected in the groundwater.

CONCLUSIONS AND RECOMMENDATIONS

Hazardous waste concentrations of metals detected at the site should be removed, especially in the area of Borehole 2 in the Boat Painting Area and in the sand backfill in the adjacent trap. High metals concentrations detected in other boreholes appear to be isolated to the upper two feet of soil. Removal of the contaminated soil in the Borehole 2 area would reduce the potential for releases of the fuel and metals contamination in that area to groundwater by removing the source of the contamination. Current levels of lead and TPH as diesel in groundwater slightly exceed the RWQCB Environmental Screening Levels. Following removal of the soil contamination these levels would almost certainly be reduced. This would reduce potential liabilities for the site. Removal of contaminated soil from the Boreholes 5 and 6 areas would also remove the source of contamination, thus reducing potential property liabilities. The RWQCB Environmental Screening Levels are being used as general cleanup goals in lieu of site-specific cleanup goals based on Human Health and Ecological Risk Assessments. Removal of contaminants to levels below the ESLs would reduce the potential for future environmental liabilities for the property.

Removal of the contaminated soils at the site will require a Grading Permit from the City of Alameda and environmental oversight from either the Alameda County Environmental Health Department under the Toxic Release Program or from the State of California Department of Toxic Substances Control in order to receive a no further action letter. The voluntary cleanup process involves the execution of an agreement with the oversight agency and review by the agency of the cleanup process. Generally, the results of the site investigation indicating the contamination problem are submitted to the agency for review and a plan for site remediation, in this case a Removal Action Plan identifying the

proposed cleanup goals, is submitted for review along with a Health and Safety Plan. The agency then provides comments on the plans and revisions are required. Following plan approval the cleanup work can be performed by 40-hour Hazwoper trained personnel in accordance with requirements of the work plan under the observations and testing of the independent consulting Engineer/Geologist. Following completion of the cleanup, a Site Completion Report is submitted to the agency for review. Final site case closure would be granted by the oversight agency following their concurrence that the site cleanup goals have been met.

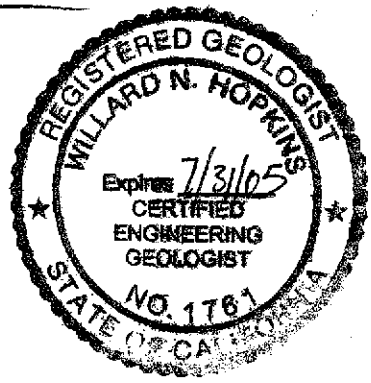
Disposal of contaminated soils may require additional testing and submittal of analytical testing results to the landfill(s) for review. The soils containing high lead and other metals levels would require disposal to a Class I hazardous waste landfill. The soils with TPH as diesel and low levels of metals contamination may qualify for disposal to a Class II special waste landfill.

We trust this is the information you require at this time. Should you have any questions please contact the undersigned at (510) 236-6114, extension 222.

Sincerely,

QUESTA ENGINEERING CORPORATION

Willard N. Hopkins, CEG
Senior Engineering Geologist



Ref: 240165_PhaseII_report

Table 1. Analytical Testing Results for Soil Samples

Constituent	B1-2'	B1-6'	B2-2'	B2-6'	B2-12'	B2-15'	Trap Backfill	B3-1'	B3-5'	B3-10'	B4-1'	B4-5'	B4-15'	B5-1'	B5-5'	B5-8'	B5-15'	B6-1'	B6-5'	B6-10'	B7-1'	B7-5'	B7-10'	B8-1'	B8-6'	B9-1'	B9-6'	Environmental Screening Levels (ESLs) (SFRWQCB) mg/kg	Total Treshhold Limit Concentrations (TTLC) (CCR Title 22) mg/kg
METALS																												Shallow Soil Screening Levels, Commercial/Industrial Land Use (Table B)	Levels at lower limit of what is considered hazardous waste under California law
Cadmium	3.4	2.5	7.9	2.9	2.6	na	3.8	4.4	3	na	3.3	2.6	na	2.5	3.1	3.5	na	5.3	3.2	na	2.3	<2.4	na	<2.4	2.8	na	na	7.4	100
Chromium (total)	36	36	***100***	42	44	na	15	32	40	na	39	42	na	32	38	44	na	43	40	na	30	33	na	28	36	na	na	58**	2,500-total (500-Cr VI)
Copper	32	12	220	9.2	5.4	na	**3,600**	89	11	na	140	16	na	45	7.7	8.1	na	**3,000**	73	na	67	6.8	na	9.2	6.7	na	na	230	2,500
Lead	110	5.7	**67,000**	95	11	na	84	**1,000**	12	na	630	27	na	93	<2.4	<2.4	na	360	3.3	na	24	<2.4	na	7.5	<2.4	na	na	750	1,000
Nickel	33	35	19	36	44		18	26	40	na	33	27	na	17	36	28	na	22	41	na	21	18	na	7.9	33	na	na	150	2,000
Zinc	120	5.7	330	26	21	na	420	130	36	na	240	35	na	91	26	25	na	***1,200***	42	na	56	22	na	15	24	na	na	600	5,000
TPH GASOLINE (mg/kg)	na	<1.1	150	46	<1.0	na	na	na	na	na	na	na	na	<1.1	85	13	na	<1.1	***840***	2	<1.0	<1.1	<1.1	<1.1	<1.0	na	<1.1	400	na
Benzene	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	0.38	na
Toluene	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	9.3	na
Ethylbenzene	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	13	na
m, p-xylenes	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	1.5	na
o-xylenes	na	ND	ND	ND	ND	na	na	na	na	na	na	na	na	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	1.5	na
TPH DIESEL (mg/kg)	na	1.5	***9,500***	***1,200***	4.8	na	na	na	na	na	na	na	na	120	***2,400***	***730***	na	170	***740***	5.5	150	1.7	<1.0	1.2	<1.0	na	100	500	na
TPH MOTOR OIL (mg/kg)	na	<5.0	***5,100***	400	<5.0	na	na	na	na	na	na	na	na	170	120	57	na	150	<25	<5.0	96	<5.0	<5.0	<5.0	<5.0	na	170	1,000	na
Volatile Organic Compounds (except as noted below)	na	na	ND	na	ND	na	na	na	na	na	na	na	na	na	ND	na	na	na	na	na	na						na			na
Acetone	na	na	ND	na	ND	na	na	na	na	na	na	na	na	na	0.025	na	na	na	na	na							na	ND	0.5	na
Methylene Chloride	na	na	ND	na	0.12	na	na	na	na	na	na	na	na	na	0.021	na	na	na	na	na							na	ND	1.5	na
2-Butanone	na	na	ND	na	ND	na	na	na	na	na	na	na	na	na	ND	na	na	na	na	na							na	ND	none	na
Ethylbenzene	na	na	ND	na	ND	na	na	na	na	na	na	na	na	na	0.007	na	na	na	na	na							na	ND	13	na
m,p-xylenes	na	na	ND	na	ND	na	na	na	na	na	na	na	na	na	0.005	na	na	na	na	na							na	ND	1.5	na
Isopropylbenzene	na	na	ND	na	ND	na	na	na	na	na	na	na	na	na	0.01	na	na	na	na	na							na	ND	none	na
Propylbenzene	na	na	0.22	na	ND	na	na	na	na	na	na	na	na	na	0.027	na	na	na	na	na							na	ND	none	na
1,3,5-Trimethylbenzene	na	na	0.21	na	ND	na	na	na	na	na	na	na	na	na	ND	na	na	na	na	na							na	ND	none	na
tert-Butylbenzene	na	na	0.15	na	ND	na	na	na	na	na	na	na	na	na	ND	na	na	na	na	na							na	ND	none	na
1,2,4-Trimethylbenzene	na	na	0.82	na	ND	na	na	na	na	na	na	na	na	na	0.17	na	na	na	na	na							na	ND	none	na
sec-Butylbenzene	na	na	0.38	na	ND	na	na	na	na	na	na	na	na	na	ND	na	na	na	na	na							na	ND	none	na
para-Isopropyl Toluene	na	na	0.41	na	ND	na	na	na	na	na	na	na	na	na	ND	na	na	na	na	na							na	ND	none	na
n-Butylbenzene	na	na	0.74	na	ND	na	na	na	na	na	na	na	na	na	0.067	na	na	na	na	na							na	ND	none	na
Napthalene	na	na	4.7	na	ND	na	na	na	na	na	na	na	na	na	0.053	na	na	na	na	na							na	ND	4.8	na

ND- None Detected; na- not analyzed; All results in Milligrams per Kilogram (mg/kg) unless

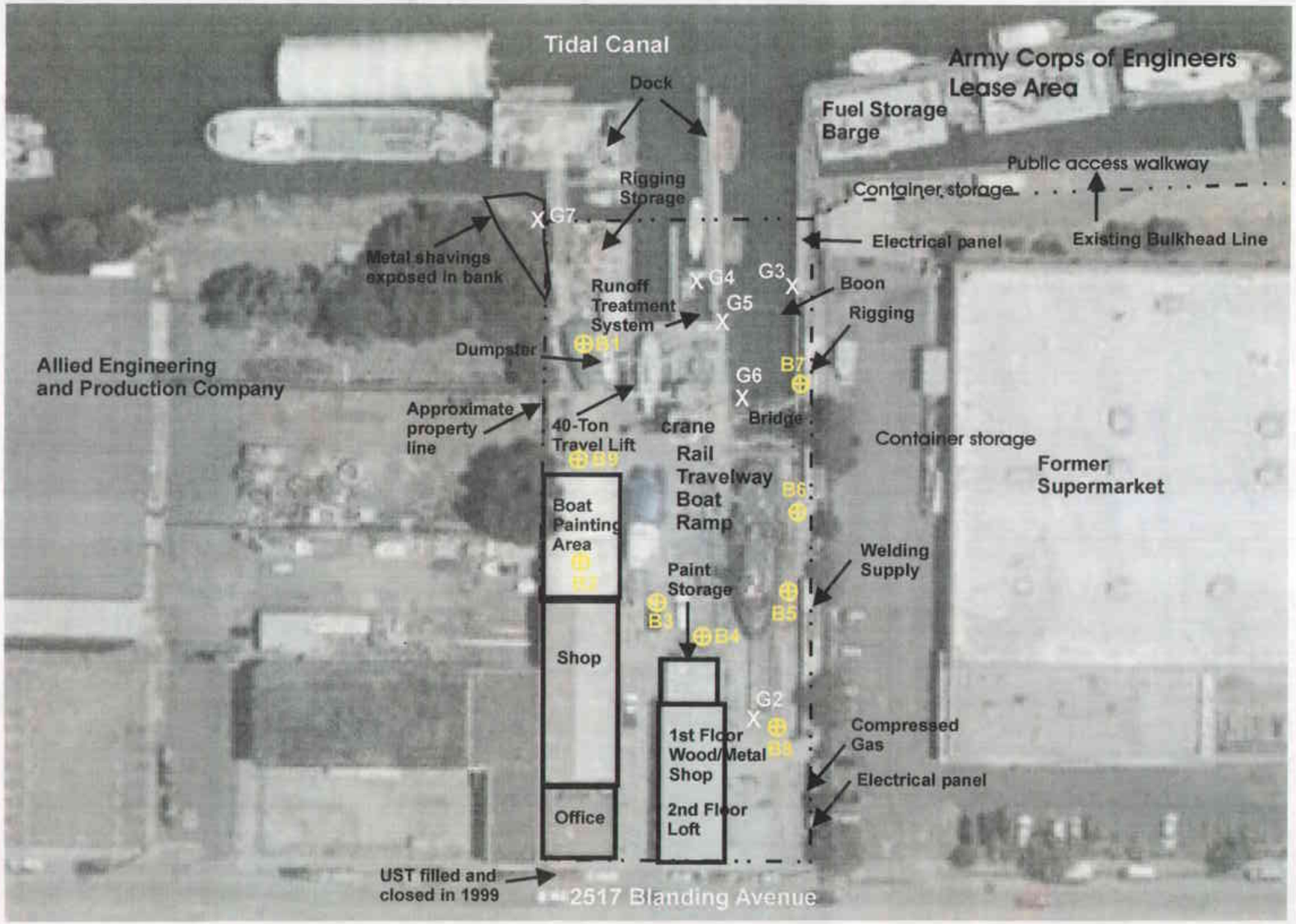
Sample results shown in **bold** exceed the hazardous waste level (TTLC); sample results in ***bold italics*** exceed the ESL.

Table 2. Analytical Testing Results for Groundwater Samples

Constituent	B2-GW	B2-GW	B3-GW	B3-GW	B4-GW	B4-GW	B5-GW	B5-GW	B9-GW	B9-GW	BLANK	(SFRWQCB) micrograms/Liter for
METALS	Unfiltered	Filtered through 0.425 micro-meter filter	Unfiltered	Filtered through 0.425 micro-meter filter	Unfiltered	Filtered through 0.425 micro-meter filter	Unfiltered	Filtered through 0.425 micro-meter filter	Unfiltered	Filtered through 0.425 micro-meter filter	Unfiltered	Sites with Shallow Soils with groundwater less than 3 meters below ground surface, groundwater is not
Cadmium	ND	ND	100	<5.0	300	ND	ND	ND	70	ND	na	2.2
Chromium (total)	1,400	ND	1,600	ND	6,200	ND	570	ND	930	ND	na	180
Copper	290	ND	360	ND	1,900	ND	210	ND	100	ND	na	3.1
Lead	1,400	3.5	50	ND	410	ND	ND	ND	ND	ND	na	2.5
Nickel	1,200	ND	1,200	ND	530	ND	410	ND	660	ND	na	8.2
Zinc	780	23	930	ND	4,000	ND	320	ND	450	ND	na	81
TPH GASOLINE	93	na	<50	na	<50	na	78	na	<50	na	<50	500
Benzene	ND	na	ND	na	ND	na	ND	na	ND	na	ND	46
Toluene	ND	na	ND	na	ND	na	ND	na	ND	na	ND	130
Ethylbenzene	ND	na	ND	na	ND	na	ND	na	ND	na	ND	290
m, p-xylenes	ND	na	ND	na	ND	na	ND	na	ND	na	ND	130
o-xylenes	ND	na	ND	na	ND	na	ND	na	ND	na	ND	130
TPH DIESEL	1,000	na	110	na	86	na	610	na	340	na	na	640
TPH MOTOR OIL	<300	na	<300	na	<300	na	<300	na	<300	na	na	640
Volatile Organic Compounds	ND	na	ND	na	ND	na	ND	na	ND	na	ND	

ND- None Detected; na- not analyzed; All results are in micrograms/Liter.

Groundwater samples are grab samples which contained extensive sediment clouding. Concentrations in unfiltered samples do not represent actual groundwater levels, but indicate the presence of compounds within the adjacent soil. Filtered samples more accurately represent the concentration of metals in groundwater, but likely still exceed the levels that are present in groudwater beneath the site.



N

G2 X Location of Grab Sample (9/28/04)

B1 ⊕ Borehole Location (11/2/04)

0 40 80 feet

scale is approximate only

Date:	11/05/04
Drawn:	JF
Appr'd:	JP
Dwg. No.	240165phase2...

QUESTA ENGINEERING CORP.
Civil, Environmental & Water Resources
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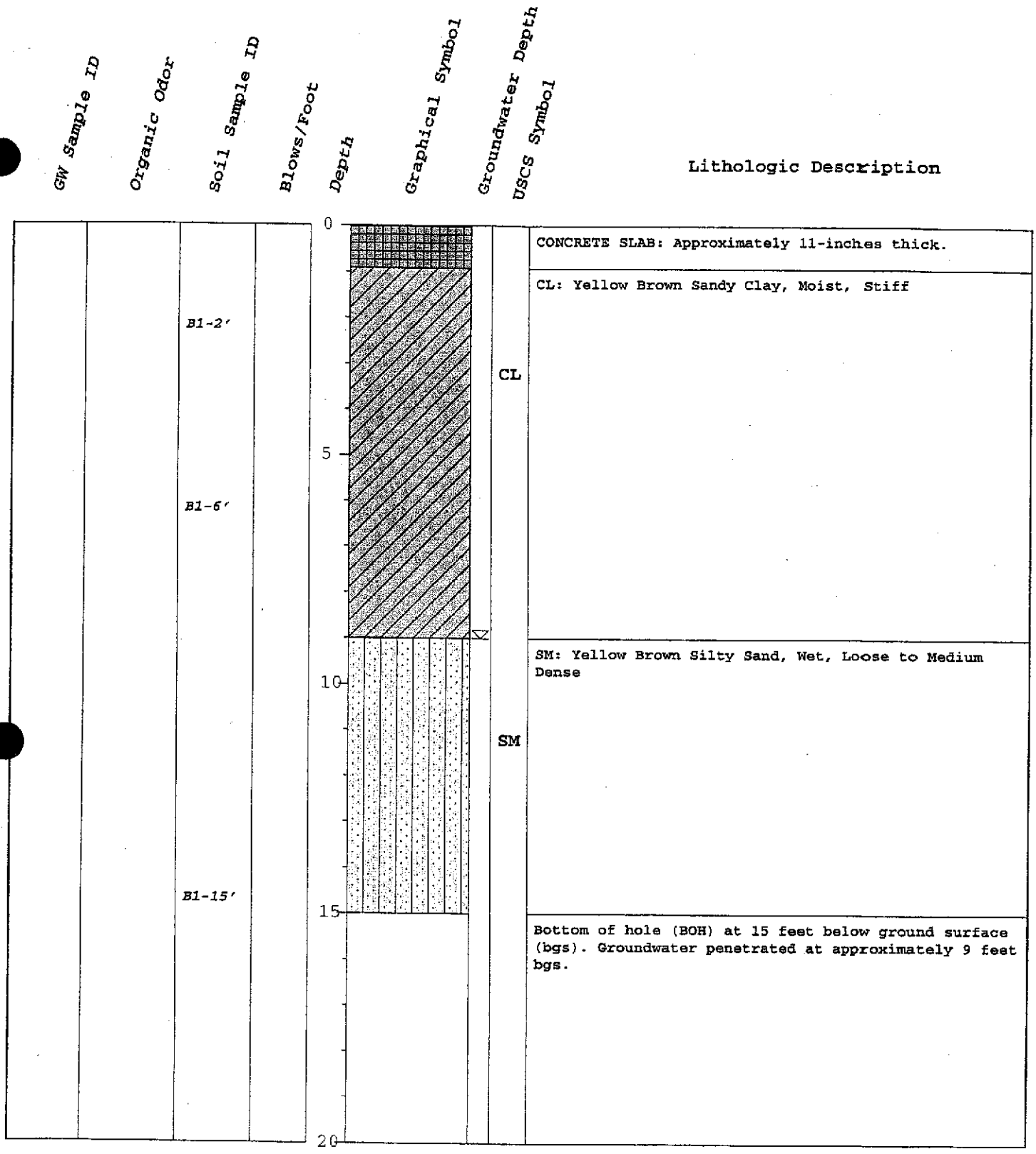
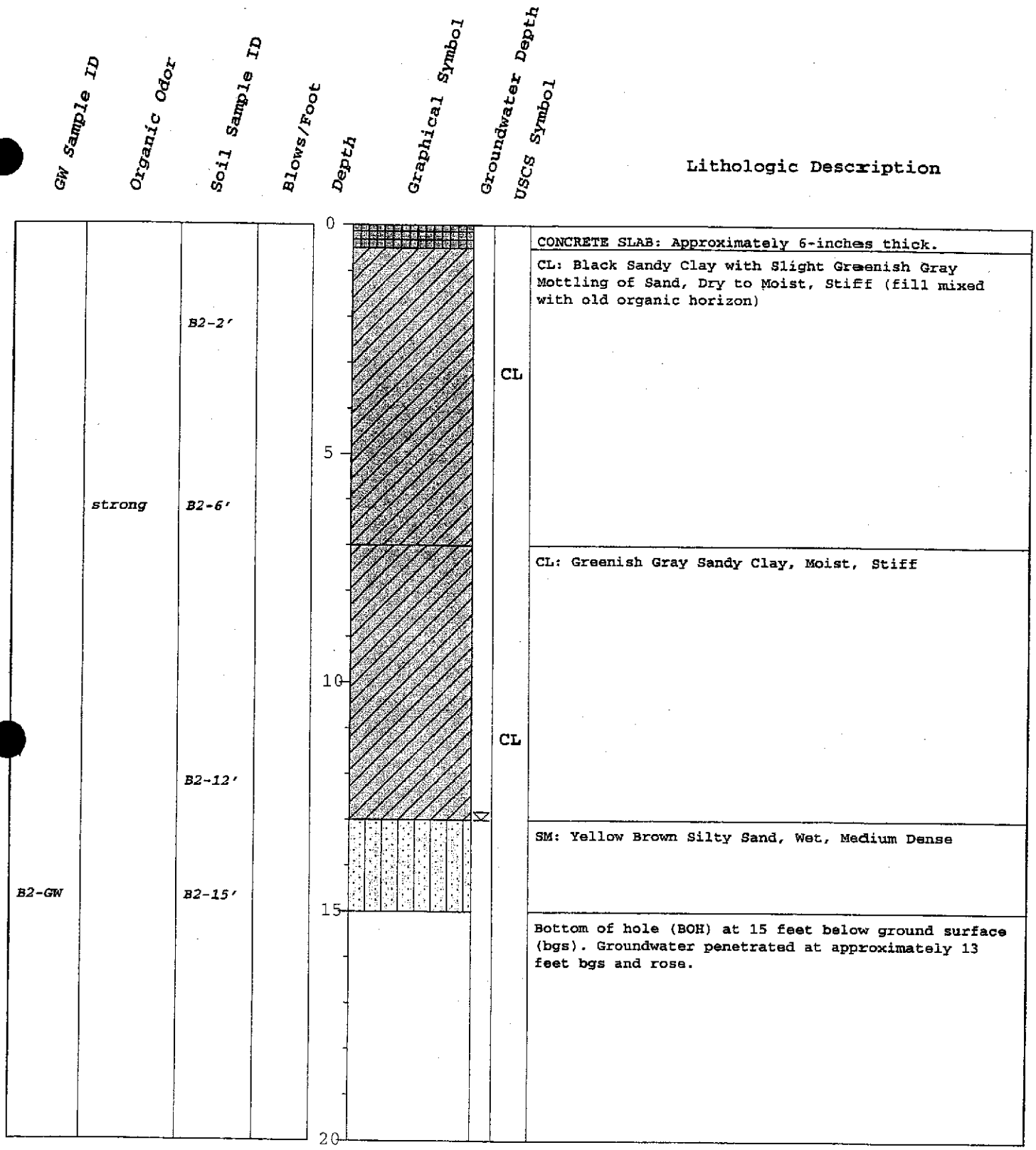
Stone Boat Yard
Phase 2 Investigation
Alameda, California

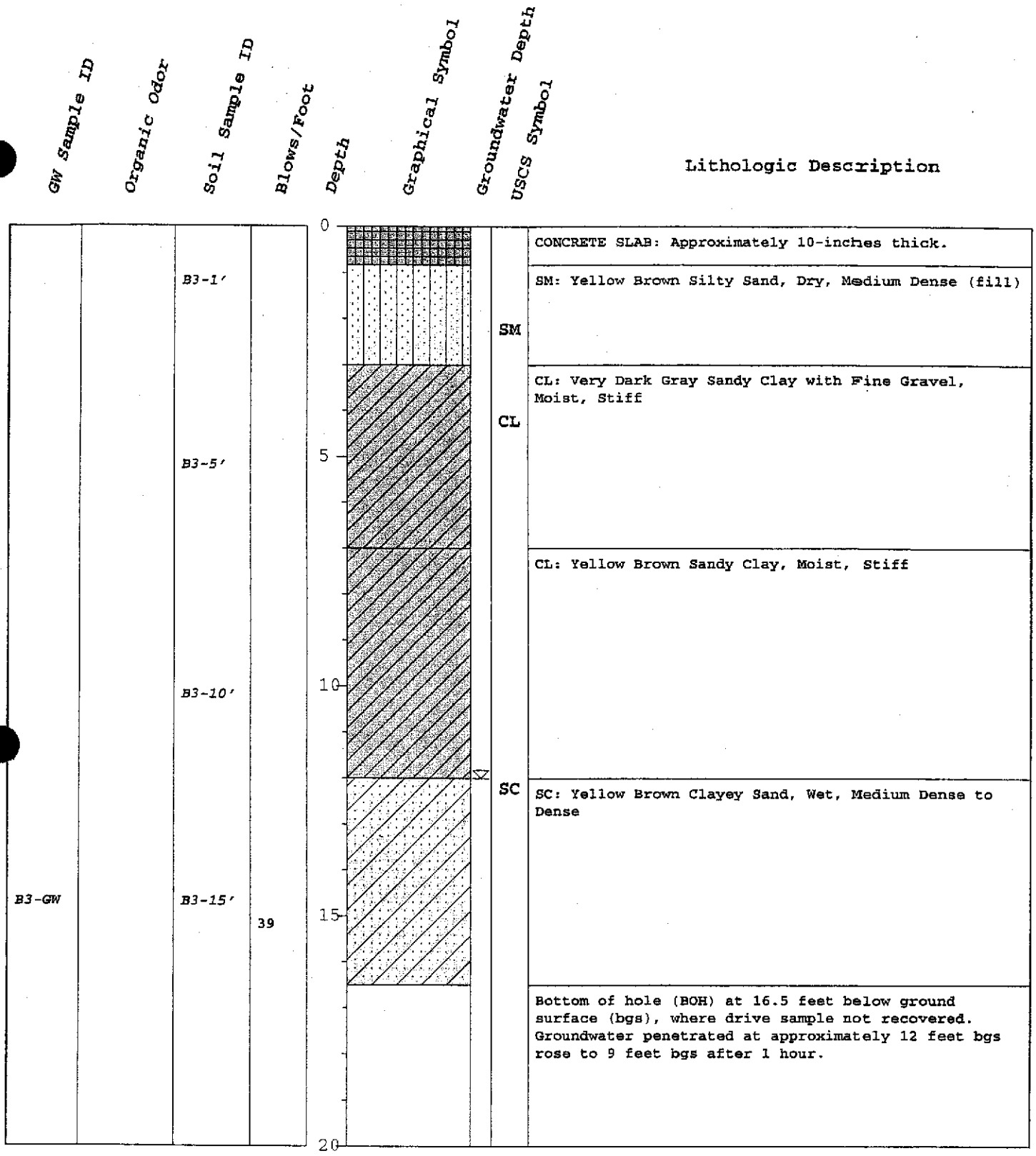
FIGURE 1



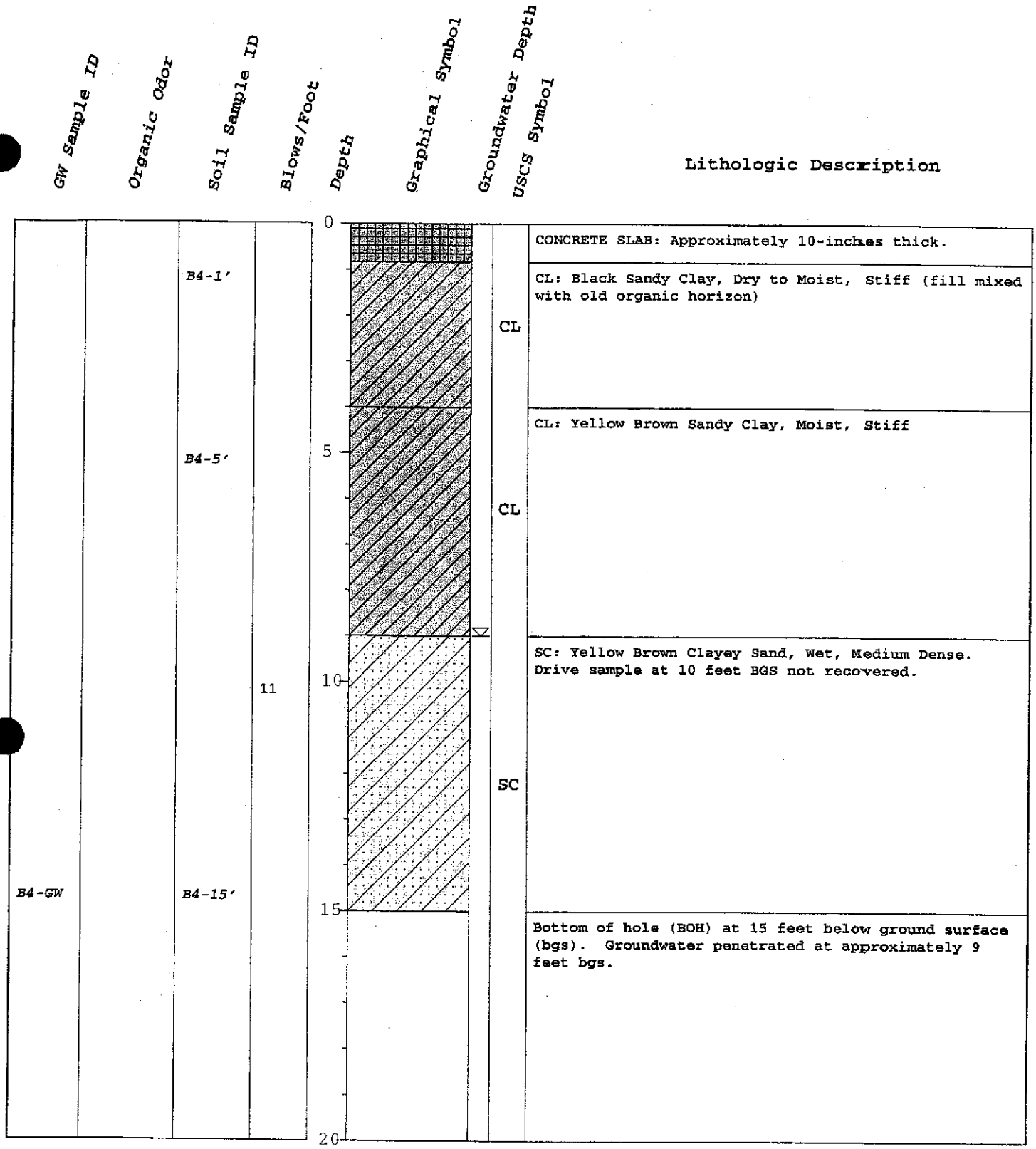
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	**LOG OF BOREHOLE 1** Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure **2**



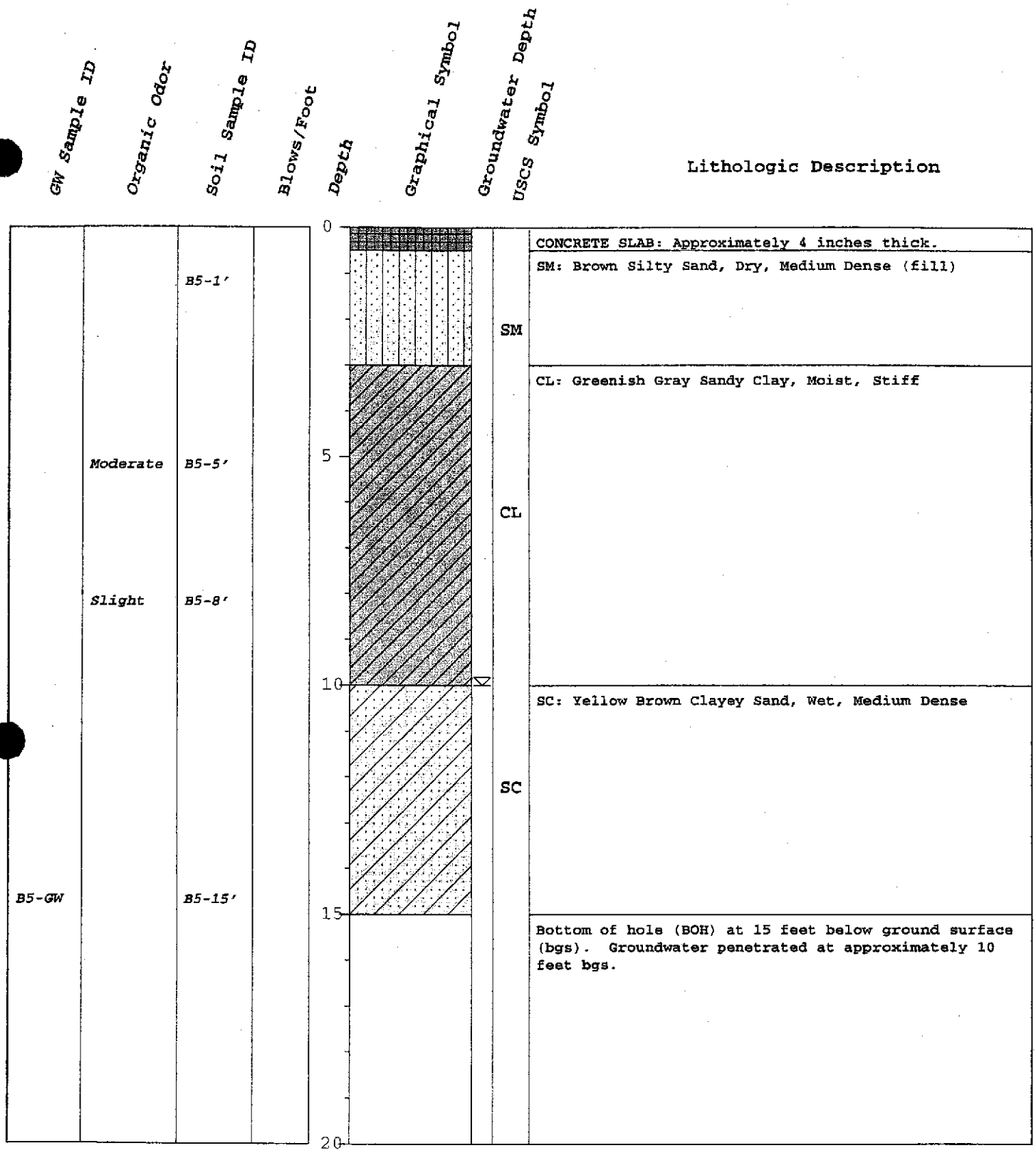
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	LOG OF BOREHOLE 2 Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure 3



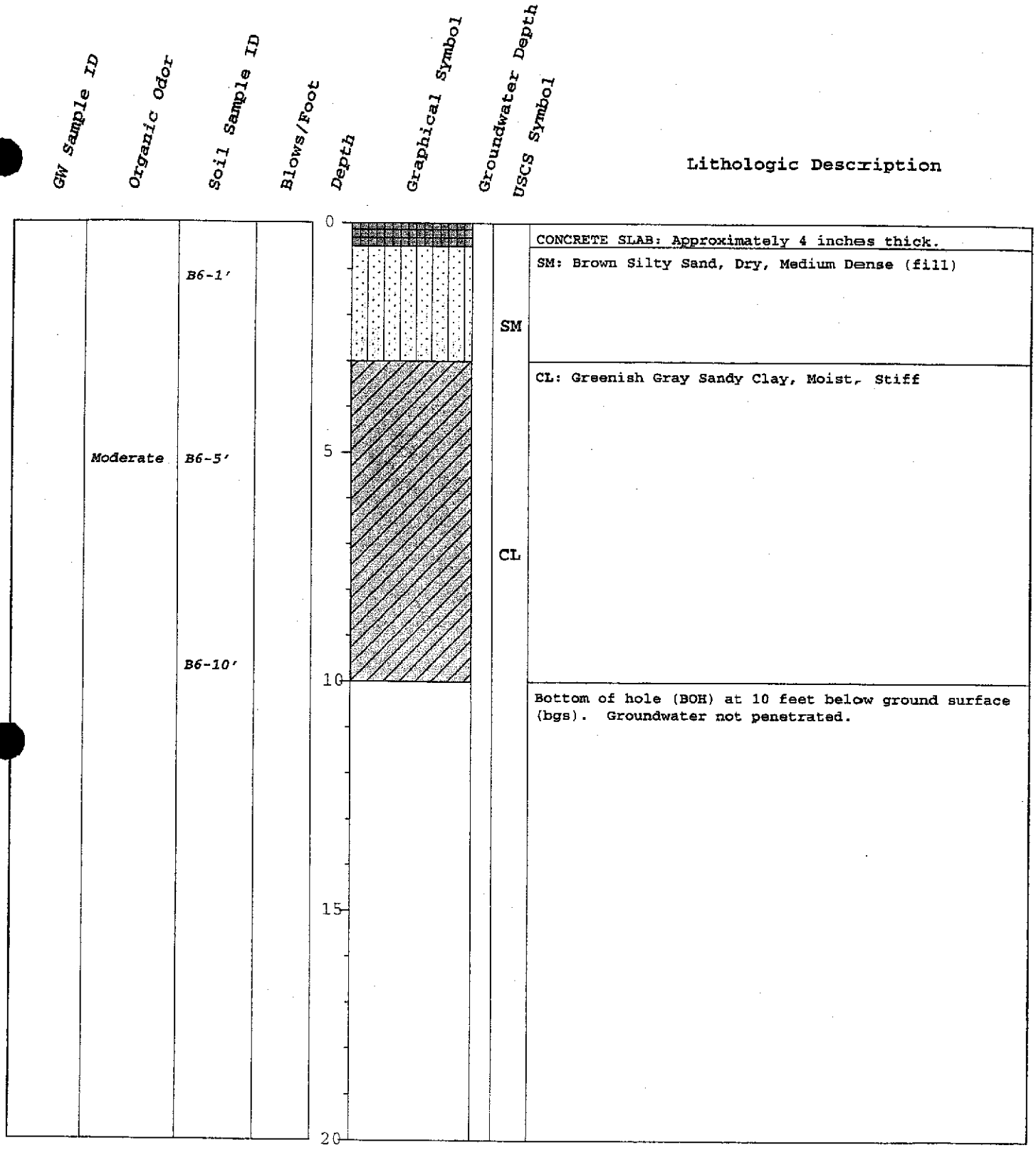
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	LOG OF BOREHOLE 3 Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure 4



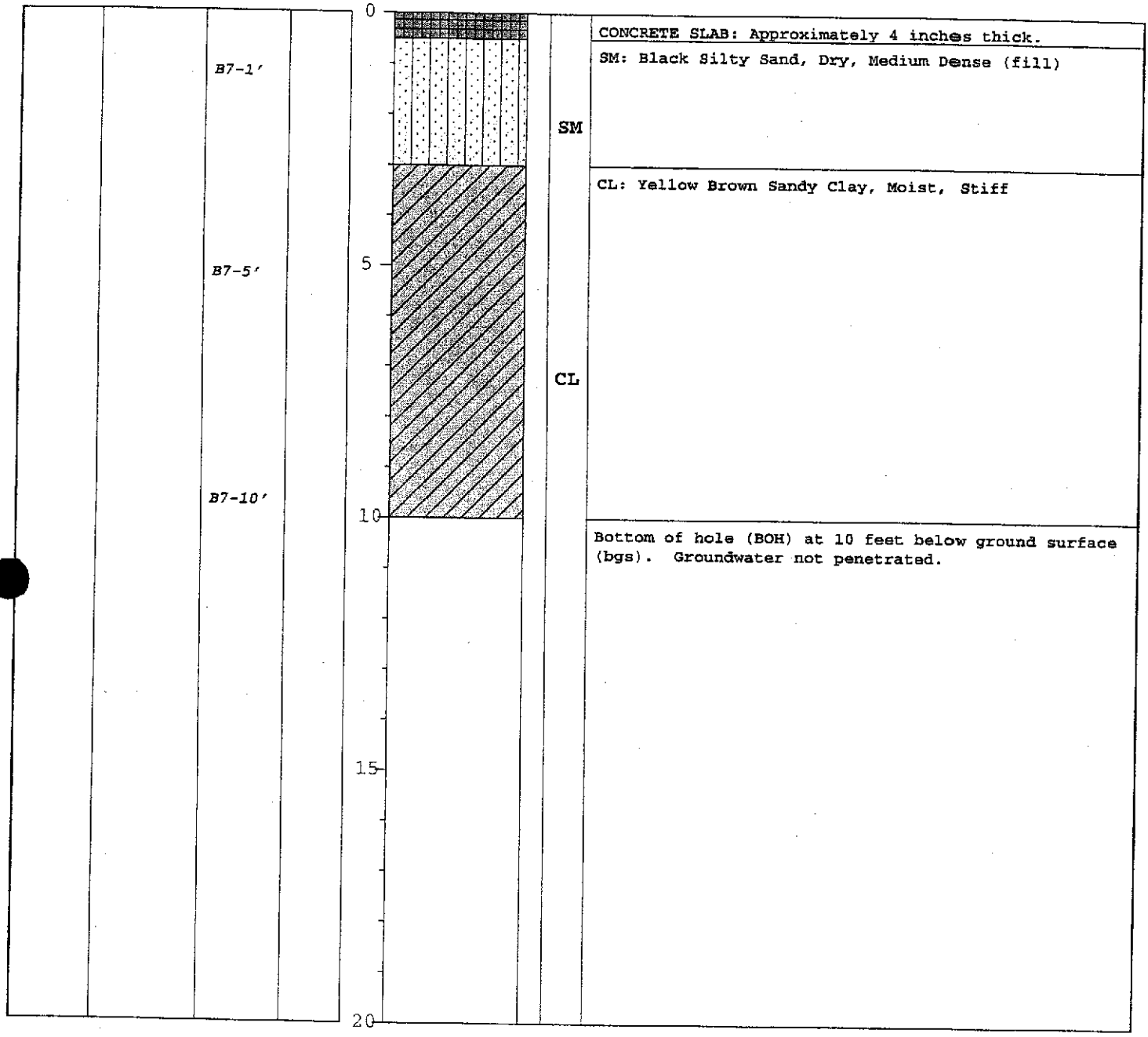
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	**LOG OF BOREHOLE 4** Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure **5**



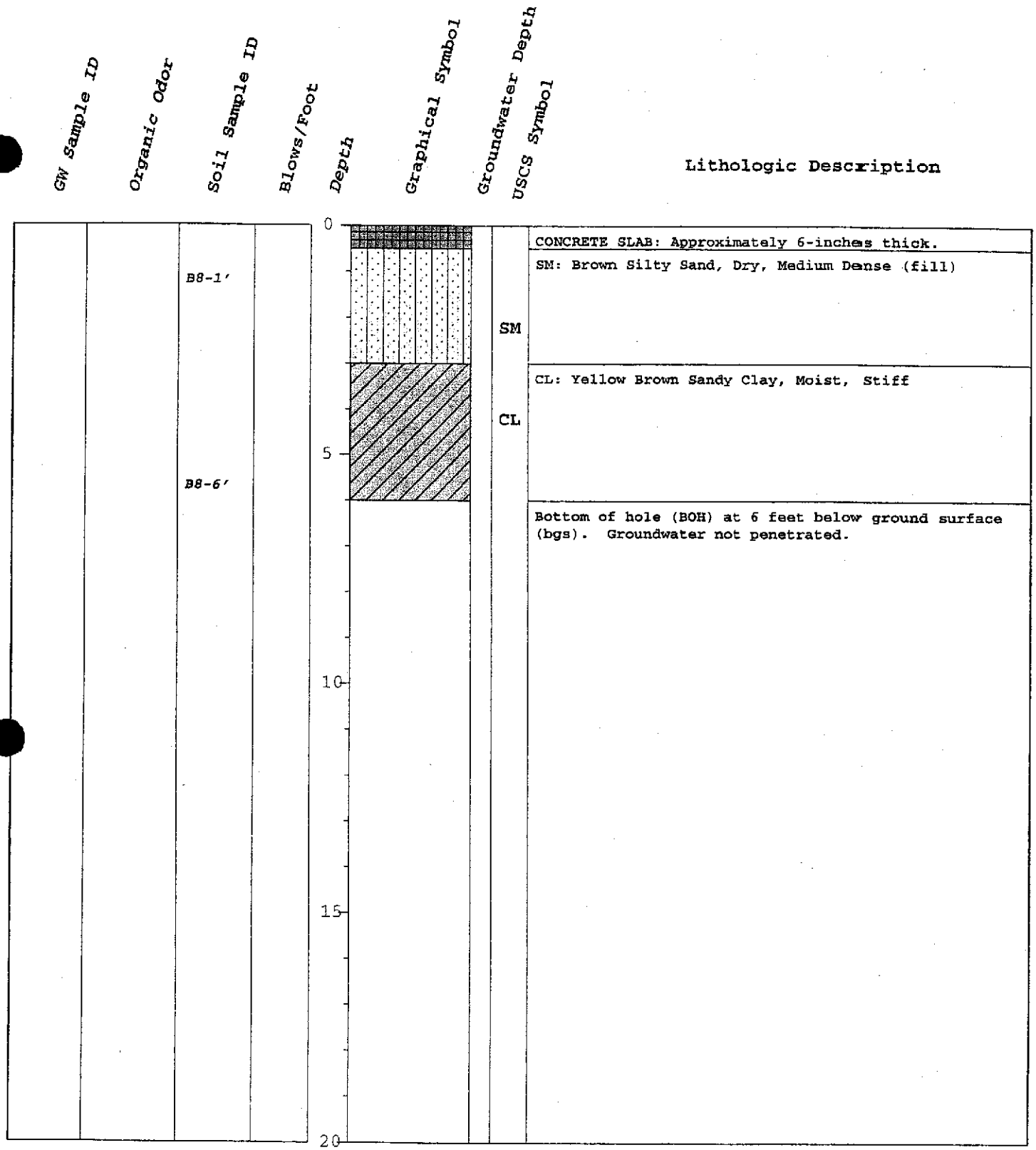
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	LOG OF BOREHOLE 5 Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure 6



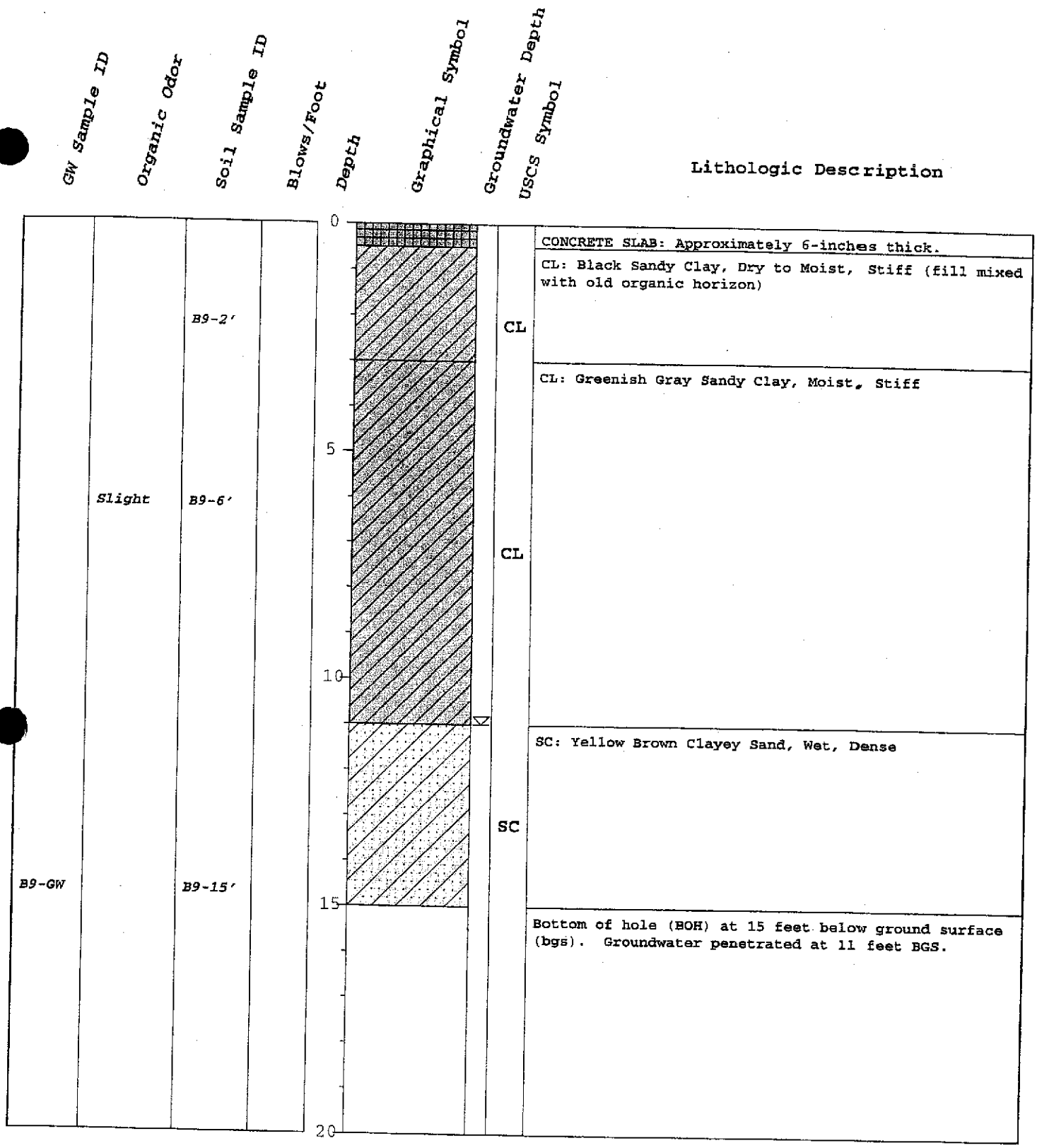
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	**LOG OF BOREHOLE 6** Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure **7**



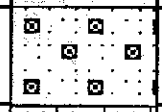
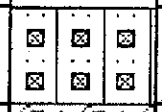
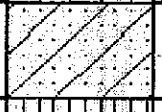
Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	LOG OF BOREHOLE 7 Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure 8



Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	LOG OF BOREHOLE 8 Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure 9



Questa Engineering Corporation 1220 Brickyard Cove Road, Suite 206 Point Richmond, CA 94807	LOG OF BOREHOLE 9 Phase 2 Environmental Investigation 2517 Blanding Avenue, Alameda CA	Figure 10

MAJOR DIVISION					TYPICAL NAMES
COARSE GRAINED SOILS MORE THAN HALF IS LARGER THAN #200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN #4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		Well graded Gravels, Gravel-Sand mixtures
			GP		Poorly graded Gravels, Gravel-Sand mixtures
		GRAVELS WITH OVER 12% FINES	GM		Silty Gravels, poorly graded, Gravel-Sand-Silt mixtures
			GC		Clayey Gravels, poorly graded Gravel-Sand-Clay mixtures
	SANDS MORE THAN HALF COARSE FRACTION IS LARGER THAN #4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW		Well graded Sands, Gravelly-Sands
			SP		Poorly graded Sands, Gravelly-Sands
		SANDS WITH OVER 12% FINES	SM		Silty Sands, poorly graded, Sand-Silt mixtures
			SC		Clayey Sands, poorly graded, Sand-Clay mixtures
FINE GRAINED SOILS MORE THAN HALF IS SMALLER THAN #200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML		Inorganic Silts and very fine Sands, rock flour, Silty or Clayey fine Sands, or Clayey-Silts with slight plasticity
			CL		Inorganic Clays of low to medium plasticity, Gravelly Clays, Sandy Clays, Silty Clays, lean Clays
			OL		Organic Clays and Organic Silty Clays of low plasticity
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		MH		Inorganic Silts, micaceous or diatomaceous fine Sandy or Silty Soils, elastic Silts
			CH		Inorganic Clays of high plasticity, fat Clays
			OH		Organic Clays of medium to high plasticity, organic Silts
HIGHLY ORGANIC SOILS			Pt		Peat and other highly organic soils

BOH	Bottom of hole	140 #	140 pound hammer dropped 30"
SPT	Standard Penetration Test Sampler (1.0" inside diameter)	70 #	70 pound hammer dropped 30"
CA MOD	California Modified Sampler (S & H) (2.5" inside diameter)	LL, PL, PI	Liquid Limit, Plastic Limit, Plasticity Index

Questa Engineering Corporation
P.O. Box 70356
1220 Brickyard Cove Road
Point Richmond, CA 94807
Phone: (510) 236-6114 FAX: (510) 236-2423

UNIFIED SOIL CLASSIFICATION SYSTEM AND KEY TO ABBREVIATIONS

FIGURE 11

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	11/02/04
Units:	ug/L	Received:	11/03/04
Diln Fac:	1.000	Analyzed:	11/03/04
Batch#:	96077		

Field ID: B3-GW
Type: SAMPLE
Lab ID: 175720-030

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	84	70-141	EPA 8015B
Bromofluorobenzene (FID)	96	80-143	EPA 8015B
Trifluorotoluene (PID)	104	59-133	EPA 8021B
Bromofluorobenzene (PID)	121	76-128	EPA 8021B

Field ID: B4-GW
Type: SAMPLE
Lab ID: 175720-031

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	81	70-141	EPA 8015B
Bromofluorobenzene (FID)	97	80-143	EPA 8015B
Trifluorotoluene (PID)	103	59-133	EPA 8021B
Bromofluorobenzene (PID)	120	76-128	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	11/02/04
Units:	ug/L	Received:	11/03/04
Diln Fac:	1.000	Analyzed:	11/03/04
Batch#:	96077		

Field ID: B5-GW Lab ID: 175720-032
Type: SAMPLE

Analyte	Result	RL	Analysis
Gasoline C7-C12	78 H Y	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	79	70-141	EPA 8015B
Bromofluorobenzene (FID)	95	80-143	EPA 8015B
Trifluorotoluene (PID)	100	59-133	EPA 8021B
Bromofluorobenzene (PID)	117	76-128	EPA 8021B

Field ID: B2-GW Lab ID: 175720-033
Type: SAMPLE

Analyte	Result	RL	Analysis
Gasoline C7-C12	93 H Y	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	70-141	EPA 8015B
Bromofluorobenzene (FID)	96	80-143	EPA 8015B
Trifluorotoluene (PID)	103	59-133	EPA 8021B
Bromofluorobenzene (PID)	119	76-128	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

6.0

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	11/02/04
Units:	ug/L	Received:	11/03/04
Diln Fac:	1.000	Analyzed:	11/03/04
Batch#:	96077		

Field ID: B9-GW
Type: SAMPLE
Lab ID: 175720-035

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	70-141	EPA 8015B
Bromofluorobenzene (FID)	92	80-143	EPA 8015B
Trifluorotoluene (PID)	103	59-133	EPA 8021B
Bromofluorobenzene (PID)	116	76-128	EPA 8021B

Type: BLANK
Lab ID: QC270609

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	77	70-141	EPA 8015B
Bromofluorobenzene (FID)	90	80-143	EPA 8015B
Trifluorotoluene (PID)	97	59-133	EPA 8021B
Bromofluorobenzene (PID)	110	76-128	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected.
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

[redacted] #:	175720		
Client:	Questa Engineering Corporation	Location:	Stone Boatyard
Project#:	STANDARD	Prep:	EPA 5030B
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B5-1'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-008		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	68-135	EPA 8015B
Bromofluorobenzene (FID)	100	75-148	EPA 8015B
Trifluorotoluene (PID)	97	61-124	EPA 8021B
Bromofluorobenzene (PID)	99	74-127	EPA 8021B

Field ID:	B5-5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-009		

Analyte	Result	RL	Units	Analysis
[redacted]oline C7-C12	85 H Y	2.0	mg/Kg	EPA 8015B
Benzene	ND	10	ug/Kg	EPA 8021B
Toluene	ND	10	ug/Kg	EPA 8021B
Ethylbenzene	ND	10	ug/Kg	EPA 8021B
m,p-Xylenes	ND	10	ug/Kg	EPA 8021B
o-Xylene	ND	10	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	84	68-135	EPA 8015B
Bromofluorobenzene (FID)	249 *	>LR b 75-148	EPA 8015B
Trifluorotoluene (PID)	99	61-124	EPA 8021B
Bromofluorobenzene (PID)	155 *	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

[redacted] #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B8-6'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-010		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	88	68-135	EPA 8015B
Bromofluorobenzene (FID)	93	75-148	EPA 8015B
Trifluorotoluene (PID)	98	61-124	EPA 8021B
Bromofluorobenzene (PID)	105	74-127	EPA 8021B

Field ID:	B2-2'	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-011		

Analyte	Result	RL	Units	Analysis
[redacted]oline C7-C12	150 H Y	10	mg/Kg	EPA 8015B
Benzene	ND	50	ug/Kg	EPA 8021B
Toluene	ND	50	ug/Kg	EPA 8021B
Ethylbenzene	ND	50	ug/Kg	EPA 8021B
m,p-Xylenes	120	50	ug/Kg	EPA 8021B
o-Xylene	360 C	50	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	68-135	EPA 8015B
Bromofluorobenzene (FID)	140	75-148	EPA 8015B
Trifluorotoluene (PID)	96	61-124	EPA 8021B
Bromofluorobenzene (PID)	114	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
>[redacted]= Response exceeds instrument's linear range

2.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B2-6'	Diln Fac:	5.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-012		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	46 H Y	5.0	mg/Kg	EPA 8015B
Benzene	ND	25	ug/Kg	EPA 8021B
Toluene	ND	25	ug/Kg	EPA 8021B
Ethylbenzene	ND	25	ug/Kg	EPA 8021B
m,p-Xylenes	ND	25	ug/Kg	EPA 8021B
o-Xylene	ND	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	86	68-135	EPA 8015B
Bromofluorobenzene (FID)	130	75-148	EPA 8015B
Trifluorotoluene (PID)	101	61-124	EPA 8021B
Bromofluorobenzene (PID)	120	74-127	EPA 8021B

Field ID:	B2-12'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-013		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	68-135	EPA 8015B
Bromofluorobenzene (FID)	94	75-148	EPA 8015B
Trifluorotoluene (PID)	97	61-124	EPA 8021B
Bromofluorobenzene (PID)	104	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>RL= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B1-6'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-016		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	79	68-135	EPA 8015B
Bromofluorobenzene (FID)	90	75-148	EPA 8015B
Trifluorotoluene (PID)	94	61-124	EPA 8021B
Bromofluorobenzene (PID)	101	74-127	EPA 8021B

Field ID:	B5-8'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-019		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	13 H Y	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	88	68-135	EPA 8015B
Bromofluorobenzene (FID)	160 *	75-148	EPA 8015B
Trifluorotoluene (PID)	99	61-124	EPA 8021B
Bromofluorobenzene (PID)	126	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>RL= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B6-1'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-021		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	68-135	EPA 8015B
Bromofluorobenzene (FID)	89	75-148	EPA 8015B
Trifluorotoluene (PID)	96	61-124	EPA 8021B
Bromofluorobenzene (PID)	105	74-127	EPA 8021B

Field ID:	B6-5'	Lab ID:	175720-022
Type:	SAMPLE		

Analyte	Result	RL	Units	Diln Fac	Analyzed	Analysis
Gasoline C7-C12	840 H Y	25	mg/Kg	25.00	11/04/04	EPA 8015B
Benzene	ND	10	ug/Kg	1.000	11/03/04	EPA 8021B
Toluene	ND	10	ug/Kg	1.000	11/03/04	EPA 8021B
Ethylbenzene	ND	10	ug/Kg	1.000	11/03/04	EPA 8021B
m,p-Xylenes	ND	10	ug/Kg	1.000	11/03/04	EPA 8021B
o-Xylene	ND	10	ug/Kg	1.000	11/03/04	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Analyzed	Analysis
Trifluorotoluene (FID)	99	68-135	25.00	11/04/04	EPA 8015B
Bromofluorobenzene (FID)	101	75-148	25.00	11/04/04	EPA 8015B
Trifluorotoluene (PID)	95	61-124	1.000	11/03/04	EPA 8021B
Bromofluorobenzene (PID)	316 * >LR b	74-127	1.000	11/03/04	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

[redacted] #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B6-10'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-023		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	2.0 H Y	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	13	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	88	68-135	EPA 8015B
Bromofluorobenzene (FID)	116	75-148	EPA 8015B
Trifluorotoluene (PID)	104	61-124	EPA 8021B
Bromofluorobenzene (PID)	115	74-127	EPA 8021B

Field ID:	B7-1'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-024		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	88	68-135	EPA 8015B
Bromofluorobenzene (FID)	91	75-148	EPA 8015B
Trifluorotoluene (PID)	97	61-124	EPA 8021B
Bromofluorobenzene (PID)	103	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>U= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

[redacted] #:	175720		
Client:	Questa Engineering Corporation	Location:	Stone Boatyard
Project#:	STANDARD	Prep:	EPA 5030B
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B7-5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-025		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	68-135	EPA 8015B
Bromofluorobenzene (FID)	103	75-148	EPA 8015B
Trifluorotoluene (PID)	101	61-124	EPA 8021B
Bromofluorobenzene (PID)	109	74-127	EPA 8021B

Field ID:	B7-10'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-026		

Analyte	Result	RL	Units	Analysis
[redacted]oline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	68-135	EPA 8015B
Bromofluorobenzene (FID)	95	75-148	EPA 8015B
Trifluorotoluene (PID)	98	61-124	EPA 8021B
Bromofluorobenzene (PID)	107	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Field ID:	B8-1'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-027		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	87	68-135	EPA 8015B
Bromofluorobenzene (FID)	95	75-148	EPA 8015B
Trifluorotoluene (PID)	101	61-124	EPA 8021B
Bromofluorobenzene (PID)	103	74-127	EPA 8021B

Field ID:	B9-6	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/03/04
Lab ID:	175720-028		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	68-135	EPA 8015B
Bromofluorobenzene (FID)	92	75-148	EPA 8015B
Trifluorotoluene (PID)	99	61-124	EPA 8021B
Bromofluorobenzene (PID)	104	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
U= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	11/02/04
Basis:	as received	Received:	11/03/04
Batch#:	96078		

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC270612	Analyzed:	11/03/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	68-135	EPA 8015B
Bromofluorobenzene (FID)	86	75-148	EPA 8015B
Trifluorotoluene (PID)	101	61-124	EPA 8021B
Bromofluorobenzene (PID)	100	74-127	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
L= Response exceeds instrument's linear range

2.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B3-GW	Batch#:	96127
Lab ID:	175720-030	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B3-GW	Batch#:	96127
Lab ID:	175720-030	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	96	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected

RL= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B4-GW	Batch#:	96127
Lab ID:	175720-031	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B4-GW	Batch#:	96127
Lab ID:	175720-031	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	96	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B5-GW	Batch#:	96127
Lab ID:	175720-032	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

22.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B5-GW	Batch#:	96127
Lab ID:	175720-032	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	95	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B2-GW	Batch#:	96127
Lab ID:	175720-033	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B2-GW	Batch#:	96127
Lab ID:	175720-033	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
[illegible]mobenzene	ND	5.0
[illegible],5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	96	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B9-GW	Batch#:	96127
Lab ID:	175720-035	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B9-GW	Batch#:	96127
Lab ID:	175720-035	Sampled:	11/02/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
[illegible]obenzene	ND	5.0
[illegible],5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	94	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
L[illegible]eporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B5-5'	Basis:	as received
Lab ID:	175720-009	Sampled:	11/02/04
Matrix:	Soil	Received:	11/03/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	8.9	0.8929	96089	11/03/04
Chloromethane	ND	8.9	0.8929	96089	11/03/04
Vinyl Chloride	ND	8.9	0.8929	96089	11/03/04
Bromomethane	ND	8.9	0.8929	96089	11/03/04
Chloroethane	ND	8.9	0.8929	96089	11/03/04
Trichlorofluoromethane	ND	4.5	0.8929	96089	11/03/04
Acetone	25	18	0.8929	96089	11/03/04
Freon 113	ND	4.5	0.8929	96089	11/03/04
1,1-Dichloroethene	ND	4.5	0.8929	96089	11/03/04
Methylene Chloride	21	18	0.8929	96089	11/03/04
Carbon Disulfide	ND	4.5	0.8929	96089	11/03/04
MTBE	ND	4.5	0.8929	96089	11/03/04
trans-1,2-Dichloroethene	ND	4.5	0.8929	96089	11/03/04
Vinyl Acetate	ND	45	0.8929	96089	11/03/04
1,1-Dichloroethane	ND	4.5	0.8929	96089	11/03/04
2-Butanone	ND	8.9	0.8929	96089	11/03/04
cis-1,2-Dichloroethene	ND	4.5	0.8929	96089	11/03/04
2,2-Dichloropropane	ND	4.5	0.8929	96089	11/03/04
Chloroform	ND	4.5	0.8929	96089	11/03/04
Bromochloromethane	ND	4.5	0.8929	96089	11/03/04
1,1,1-Trichloroethane	ND	4.5	0.8929	96089	11/03/04
1,1-Dichloropropene	ND	4.5	0.8929	96089	11/03/04
Carbon Tetrachloride	ND	4.5	0.8929	96089	11/03/04
1,2-Dichloroethane	ND	4.5	0.8929	96089	11/03/04
Benzene	ND	4.5	0.8929	96089	11/03/04
Trichloroethene	ND	4.5	0.8929	96089	11/03/04
1,2-Dichloropropane	ND	4.5	0.8929	96089	11/03/04
Bromodichloromethane	ND	4.5	0.8929	96089	11/03/04
Dibromomethane	ND	4.5	0.8929	96089	11/03/04
4-Methyl-2-Pentanone	ND	8.9	0.8929	96089	11/03/04
cis-1,3-Dichloropropene	ND	4.5	0.8929	96089	11/03/04
Toluene	ND	4.5	0.8929	96089	11/03/04
trans-1,3-Dichloropropene	ND	4.5	0.8929	96089	11/03/04
1,1,2-Trichloroethane	ND	4.5	0.8929	96089	11/03/04
2-Hexanone	ND	8.9	0.8929	96089	11/03/04
1,3-Dichloropropane	ND	4.5	0.8929	96089	11/03/04
Tetrachloroethene	ND	4.5	0.8929	96089	11/03/04

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B5-5'	Basis:	as received
Lab ID:	175720-009	Sampled:	11/02/04
Matrix:	Soil	Received:	11/03/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Dibromochloromethane	ND	4.5	0.8929	96089	11/03/04
1,2-Dibromoethane	ND	4.5	0.8929	96089	11/03/04
Chlorobenzene	ND	4.5	0.8929	96089	11/03/04
1,1,1,2-Tetrachloroethane	ND	4.5	0.8929	96089	11/03/04
Ethylbenzene	6.6	4.5	0.8929	96089	11/03/04
m,p-Xylenes	4.5	4.5	0.8929	96089	11/03/04
o-Xylene	ND	4.5	0.8929	96089	11/03/04
Styrene	ND	4.5	0.8929	96089	11/03/04
Bromoform	ND	4.5	0.8929	96089	11/03/04
Isopropylbenzene	10	4.5	0.8929	96089	11/03/04
1,1,2,2-Tetrachloroethane	ND	4.5	0.8929	96089	11/03/04
1,2,3-Trichloropropane	ND	4.5	0.8929	96089	11/03/04
Propylbenzene	27	4.5	0.8929	96089	11/03/04
Bromobenzene	ND	4.5	0.8929	96089	11/03/04
[illegible],5-Trimethylbenzene	ND	4.5	0.8929	96089	11/03/04
[illegible]hlorotoluene	ND	4.5	0.8929	96089	11/03/04
4-Chlorotoluene	ND	4.5	0.8929	96089	11/03/04
tert-Butylbenzene	ND	4.5	0.8929	96089	11/03/04
1,2,4-Trimethylbenzene	170	10	2.000	96139	11/04/04
sec-Butylbenzene	33	4.5	0.8929	96089	11/03/04
para-Isopropyl Toluene	ND	4.5	0.8929	96089	11/03/04
1,3-Dichlorobenzene	ND	4.5	0.8929	96089	11/03/04
1,4-Dichlorobenzene	ND	4.5	0.8929	96089	11/03/04
n-Butylbenzene	67	4.5	0.8929	96089	11/03/04
1,2-Dichlorobenzene	ND	4.5	0.8929	96089	11/03/04
1,2-Dibromo-3-Chloropropane	ND	4.5	0.8929	96089	11/03/04
1,2,4-Trichlorobenzene	ND	4.5	0.8929	96089	11/03/04
Hexachlorobutadiene	ND	4.5	0.8929	96089	11/03/04
Naphthalene	53	10	2.000	96139	11/04/04
1,2,3-Trichlorobenzene	ND	4.5	0.8929	96089	11/03/04

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	91	79-120	0.8929	96089	11/03/04
1,2-Dichloroethane-d4	102	80-120	0.8929	96089	11/03/04
Toluene-d8	109	80-120	0.8929	96089	11/03/04
Bromofluorobenzene	134 *	80-121	0.8929	96089	11/03/04

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= [illegible]eporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B2-2'	Basis:	as received
Lab ID:	175720-011	Sampled:	11/02/04
Matrix:	Soil	Received:	11/03/04
Units:	ug/Kg		

Analyte	Result	RL	Dil'n Fac	Batch#	Analyzed
Freon 12	ND	250	25.00	96139	11/04/04
Chloromethane	ND	250	25.00	96139	11/04/04
Vinyl Chloride	ND	250	25.00	96139	11/04/04
Bromomethane	ND	250	25.00	96139	11/04/04
Chloroethane	ND	250	25.00	96139	11/04/04
Trichlorofluoromethane	ND	130	25.00	96139	11/04/04
Acetone	ND	500	25.00	96139	11/04/04
Freon 113	ND	130	25.00	96139	11/04/04
1,1-Dichloroethene	ND	130	25.00	96139	11/04/04
Methylene Chloride	ND	500	25.00	96139	11/04/04
Carbon Disulfide	ND	130	25.00	96139	11/04/04
MTBE	ND	130	25.00	96139	11/04/04
trans-1,2-Dichloroethene	ND	130	25.00	96139	11/04/04
Vinyl Acetate	ND	1,300	25.00	96139	11/04/04
1,1-Dichloroethane	ND	130	25.00	96139	11/04/04
2-Butanone	320	250	25.00	96139	11/04/04
cis-1,2-Dichloroethene	ND	130	25.00	96139	11/04/04
2,2-Dichloropropane	ND	130	25.00	96139	11/04/04
Chloroform	ND	130	25.00	96139	11/04/04
Bromochloromethane	ND	130	25.00	96139	11/04/04
1,1,1-Trichloroethane	ND	130	25.00	96139	11/04/04
1,1-Dichloropropene	ND	130	25.00	96139	11/04/04
Carbon Tetrachloride	ND	130	25.00	96139	11/04/04
1,2-Dichloroethane	ND	130	25.00	96139	11/04/04
Benzene	ND	130	25.00	96139	11/04/04
Trichloroethene	ND	130	25.00	96139	11/04/04
1,2-Dichloropropane	ND	130	25.00	96139	11/04/04
Bromodichloromethane	ND	130	25.00	96139	11/04/04
Dibromomethane	ND	130	25.00	96139	11/04/04
4-Methyl-2-Pentanone	ND	250	25.00	96139	11/04/04
cis-1,3-Dichloropropene	ND	130	25.00	96139	11/04/04
Toluene	ND	130	25.00	96139	11/04/04
trans-1,3-Dichloropropene	ND	130	25.00	96139	11/04/04
1,1,2-Trichloroethane	ND	130	25.00	96139	11/04/04
2-Hexanone	ND	250	25.00	96139	11/04/04
1,3-Dichloropropane	ND	130	25.00	96139	11/04/04
Tetrachloroethene	ND	130	25.00	96139	11/04/04
Dibromochloromethane	ND	130	25.00	96139	11/04/04

ND= Not Detected
RL= Reporting Limit

11.3

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B2-2'	Basis:	as received
Lab ID:	175720-011	Sampled:	11/02/04
Matrix:	Soil	Received:	11/03/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	130	25.00	96139	11/04/04
Chlorobenzene	ND	130	25.00	96139	11/04/04
1,1,1,2-Tetrachloroethane	ND	130	25.00	96139	11/04/04
Ethylbenzene	ND	130	25.00	96139	11/04/04
m,p-Xylenes	ND	130	25.00	96139	11/04/04
o-Xylene	ND	130	25.00	96139	11/04/04
Styrene	ND	130	25.00	96139	11/04/04
Bromoform	ND	130	25.00	96139	11/04/04
Isopropylbenzene	ND	130	25.00	96139	11/04/04
1,1,2,2-Tetrachloroethane	ND	130	25.00	96139	11/04/04
1,2,3-Trichloropropane	ND	130	25.00	96139	11/04/04
Propylbenzene	220	130	25.00	96139	11/04/04
Bromobenzene	ND	130	25.00	96139	11/04/04
1,3,5-Trimethylbenzene	210	130	25.00	96139	11/04/04
2-Chlorotoluene	ND	130	25.00	96139	11/04/04
4-Chlorotoluene	ND	130	25.00	96139	11/04/04
tert-Butylbenzene	150	130	25.00	96139	11/04/04
1,2,4-Trimethylbenzene	820	130	25.00	96139	11/04/04
sec-Butylbenzene	380	130	25.00	96139	11/04/04
para-Isopropyl Toluene	410	130	25.00	96139	11/04/04
1,3-Dichlorobenzene	ND	130	25.00	96139	11/04/04
1,4-Dichlorobenzene	ND	130	25.00	96139	11/04/04
n-Butylbenzene	740	130	25.00	96139	11/04/04
1,2-Dichlorobenzene	ND	130	25.00	96139	11/04/04
1,2-Dibromo-3-Chloropropane	ND	130	25.00	96139	11/04/04
1,2,4-Trichlorobenzene	ND	130	25.00	96139	11/04/04
Hexachlorobutadiene	ND	130	25.00	96139	11/04/04
Naphthalene	4,700	310	62.50	96184	11/05/04
1,2,3-Trichlorobenzene	ND	130	25.00	96139	11/04/04

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	92	79-120	25.00	96139	11/04/04
1,2-Dichloroethane-d4	95	80-120	25.00	96139	11/04/04
Toluene-d8	96	80-120	25.00	96139	11/04/04
Bromofluorobenzene	100	80-121	25.00	96139	11/04/04

ND = Not Detected
RL = Reporting Limit

11.3

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B2-12'	Basis:	as received
Lab ID:	175720-013	Sampled:	11/02/04
Matrix:	Soil	Received:	11/03/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	10	1.000	96089	11/03/04
Chloromethane	ND	10	1.000	96089	11/03/04
Vinyl Chloride	ND	10	1.000	96089	11/03/04
Bromomethane	ND	10	1.000	96089	11/03/04
Chloroethane	ND	10	1.000	96089	11/03/04
Trichlorofluoromethane	ND	5.0	1.000	96089	11/03/04
Acetone	ND	20	1.000	96089	11/03/04
Freon 113	ND	5.0	1.000	96089	11/03/04
1,1-Dichloroethene	ND	5.0	1.000	96089	11/03/04
Methylene Chloride	120	100	5.000	96139	11/04/04
Carbon Disulfide	ND	5.0	1.000	96089	11/03/04
MTBE	ND	5.0	1.000	96089	11/03/04
trans-1,2-Dichloroethene	ND	5.0	1.000	96089	11/03/04
Vinyl Acetate	ND	50	1.000	96089	11/03/04
[illegible]-Dichloroethane	ND	5.0	1.000	96089	11/03/04
2-Butanone	ND	10	1.000	96089	11/03/04
cis-1,2-Dichloroethene	ND	5.0	1.000	96089	11/03/04
2,2-Dichloropropane	ND	5.0	1.000	96089	11/03/04
Chloroform	ND	25	5.000	96139	11/04/04
Bromochloromethane	ND	5.0	1.000	96089	11/03/04
1,1,1-Trichloroethane	ND	5.0	1.000	96089	11/03/04
1,1-Dichloropropene	ND	5.0	1.000	96089	11/03/04
Carbon Tetrachloride	ND	5.0	1.000	96089	11/03/04
1,2-Dichloroethane	ND	5.0	1.000	96089	11/03/04
Benzene	ND	5.0	1.000	96089	11/03/04
Trichloroethene	ND	5.0	1.000	96089	11/03/04
1,2-Dichloropropane	ND	5.0	1.000	96089	11/03/04
Bromodichloromethane	ND	5.0	1.000	96089	11/03/04
Dibromomethane	ND	5.0	1.000	96089	11/03/04
4-Methyl-2-Pentanone	ND	10	1.000	96089	11/03/04
cis-1,3-Dichloropropene	ND	5.0	1.000	96089	11/03/04
Toluene	ND	5.0	1.000	96089	11/03/04
trans-1,3-Dichloropropene	ND	5.0	1.000	96089	11/03/04
1,1,2-Trichloroethane	ND	5.0	1.000	96089	11/03/04
2-Hexanone	ND	10	1.000	96089	11/03/04
1,3-Dichloropropane	ND	5.0	1.000	96089	11/03/04
Tetrachloroethene	ND	5.0	1.000	96089	11/03/04
Dibromochloromethane	ND	5.0	1.000	96089	11/03/04

ND= Not Detected
L[illegible]eporting Limit

12.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B2-12'	Basis:	as received
Lab ID:	175720-013	Sampled:	11/02/04
Matrix:	Soil	Received:	11/03/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	5.0	1.000	96089	11/03/04
Chlorobenzene	ND	5.0	1.000	96089	11/03/04
1,1,1,2-Tetrachloroethane	ND	5.0	1.000	96089	11/03/04
Ethylbenzene	ND	5.0	1.000	96089	11/03/04
m,p-Xylenes	ND	5.0	1.000	96089	11/03/04
o-Xylene	ND	5.0	1.000	96089	11/03/04
Styrene	ND	5.0	1.000	96089	11/03/04
Bromoform	ND	5.0	1.000	96089	11/03/04
Isopropylbenzene	ND	5.0	1.000	96089	11/03/04
1,1,2,2-Tetrachloroethane	ND	5.0	1.000	96089	11/03/04
1,2,3-Trichloropropane	ND	5.0	1.000	96089	11/03/04
Propylbenzene	ND	5.0	1.000	96089	11/03/04
Bromobenzene	ND	5.0	1.000	96089	11/03/04
1,3,5-Trimethylbenzene	ND	5.0	1.000	96089	11/03/04
2-Chlorotoluene	ND	5.0	1.000	96089	11/03/04
4-Chlorotoluene	ND	5.0	1.000	96089	11/03/04
tert-Butylbenzene	ND	5.0	1.000	96089	11/03/04
1,2,4-Trimethylbenzene	ND	5.0	1.000	96089	11/03/04
sec-Butylbenzene	ND	5.0	1.000	96089	11/03/04
para-Isopropyl Toluene	ND	5.0	1.000	96089	11/03/04
1,3-Dichlorobenzene	ND	5.0	1.000	96089	11/03/04
1,4-Dichlorobenzene	ND	5.0	1.000	96089	11/03/04
n-Butylbenzene	ND	5.0	1.000	96089	11/03/04
1,2-Dichlorobenzene	ND	5.0	1.000	96089	11/03/04
1,2-Dibromo-3-Chloropropane	ND	5.0	1.000	96089	11/03/04
1,2,4-Trichlorobenzene	ND	5.0	1.000	96089	11/03/04
Hexachlorobutadiene	ND	5.0	1.000	96089	11/03/04
Naphthalene	ND	5.0	1.000	96089	11/03/04
1,2,3-Trichlorobenzene	ND	5.0	1.000	96089	11/03/04

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	89	79-120	1.000	96089	11/03/04
1,2-Dichloroethane-d4	92	80-120	1.000	96089	11/03/04
Toluene-d8	99	80-120	1.000	96089	11/03/04
Bromofluorobenzene	88	80-121	1.000	96089	11/03/04

ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B1-6'	Diln Fac:	0.9434
Lab ID:	175720-016	Batch#:	96139
Matrix:	Soil	Sampled:	11/02/04
Units:	ug/Kg	Received:	11/03/04
Basis:	as received	Analyzed:	11/04/04

Analyte	Result	RL
Freon 12	ND	9.4
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND= Not Detected
RL= Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B1-6'	Diln Fac:	0.9434
Lab ID:	175720-016	Batch#:	96139
Matrix:	Soil	Sampled:	11/02/04
Units:	ug/Kg	Received:	11/03/04
Basis:	as received	Analyzed:	11/04/04

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
[illegible]omobenzene	ND	4.7
[illegible]3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	87	79-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	88	80-121

ND = Not Detected
RL = Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B9-6	Diln Fac:	0.9615
Lab ID:	175720-028	Batch#:	96139
Matrix:	Soil	Sampled:	11/02/04
Units:	ug/Kg	Received:	11/03/04
Basis:	as received	Analyzed:	11/04/04

Analyte	Result	RL
Freon 12	ND	9.6
Chloromethane	ND	9.6
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Chloroethane	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
[redacted]-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8

ND= Not Detected
L[redacted]eporting Limit

14.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B9-6	Diln Fac:	0.9615
Lab ID:	175720-028	Batch#:	96139
Matrix:	Soil	Sampled:	11/02/04
Units:	ug/Kg	Received:	11/03/04
Basis:	as received	Analyzed:	11/04/04

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
[redacted]5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	91	80-121

ND= Not Detected
[redacted]eporting Limit

14.0

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	175720	Project#:	STANDARD
Client:	Questa Engineering Corporation	Location:	Stone Boatyard
Field ID:	B2-GW	Sampled:	11/02/04
Lab ID:	175720-033	Received:	11/03/04
Matrix:	Water	Prepared:	11/04/04
Units:	ug/L	Analyzed:	11/04/04
Diln Fac:	1.000		

Analyte	Result	RL	Batch#	Prep	Analysis
Antimony	ND	60	96126	EPA 3010A	EPA 6010B
Arsenic	53	5.0	96126	EPA 3010A	EPA 6010B
Beryllium	7.9	2.0	96126	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	96126	EPA 3010A	EPA 6010B
Chromium	1,400	10	96126	EPA 3010A	EPA 6010B
Copper	290	10	96126	EPA 3010A	EPA 6010B
Lead	1,400	3.0	96126	EPA 3010A	EPA 6010B
Mercury	3.3	0.20	96136	METHOD	EPA 7470A
Nickel	1,200	20	96126	EPA 3010A	EPA 6010B
Selenium	ND	5.0	96126	EPA 3010A	EPA 6010B
Silver	ND	5.0	96126	EPA 3010A	EPA 6010B
Thallium	ND	5.0	96126	EPA 3010A	EPA 6010B
Zinc	780	20	96126	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

30.0

Total Extractable Hydrocarbons

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/02/04
Units:	mg/Kg	Received:	11/03/04
Basis:	as received	Prepared:	11/05/04
Batch#:	96176		

Field ID: B5-1'
Type: SAMPLE
Lab ID: 175720-008

Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	120 H Y	1.0
Motor Oil C24-C36	170	5.0

Surrogate	%REC	Limits
Hexacosane	93	55-134

Field ID: B5-5'
Type: SAMPLE
Lab ID: 175720-009

Diln Fac: 20.00
Analyzed: 11/08/04

Analyte	Result	RL
Diesel C10-C24	2,400	20
Motor Oil C24-C36	120 Y	100

Surrogate	%REC	Limits
Hexacosane	DO	55-134

Field ID: B8-6'
Type: SAMPLE
Lab ID: 175720-010

Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	101	55-134

Field ID: B2-2'
Type: SAMPLE
Lab ID: 175720-011

Diln Fac: 100.0
Analyzed: 11/08/04

Analyte	Result	RL
Diesel C10-C24	9,500 H	100
Motor Oil C24-C36	5,100	500

Surrogate	%REC	Limits
Hexacosane	DO	55-134

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/02/04
Units:	mg/Kg	Received:	11/03/04
Basis:	as received	Prepared:	11/05/04
Batch#:	96176		

Field ID: B2-6' Diln Fac: 10.00
Type: SAMPLE Analyzed: 11/08/04
Lab ID: 175720-012

Analyte	Result	RL
Diesel C10-C24	1,200 H	10
Motor Oil C24-C36	400	50

Surrogate	%REC	Limits
Hexacosane	DO	55-134

Field ID: B2-12' Diln Fac: 1.000
Type: SAMPLE Analyzed: 11/05/04
Lab ID: 175720-013

Analyte	Result	RL
Diesel C10-C24	4.8 Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	55-134

Field ID: B1-6' Diln Fac: 1.000
Type: SAMPLE Analyzed: 11/05/04
Lab ID: 175720-016

Analyte	Result	RL
Diesel C10-C24	1.5 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	107	55-134

Field ID: B5-8' Diln Fac: 3.000
Type: SAMPLE Analyzed: 11/05/04
Lab ID: 175720-019

Analyte	Result	RL
Diesel C10-C24	730 H	3.0
Motor Oil C24-C36	57 Y	15

Surrogate	%REC	Limits
Hexacosane	96	55-134

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Total Extractable Hydrocarbons

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/02/04
Units:	mg/Kg	Received:	11/03/04
Basis:	as received	Prepared:	11/05/04
Batch#:	96176		

Field ID: B6-1'
Type: SAMPLE
Lab ID: 175720-021
Diln Fac: 5.000
Analyzed: 11/08/04

Analyte	Result	RL
Diesel C10-C24	170 H Y	5.0
Motor Oil C24-C36	150	25

Surrogate	%REC	Limits
Hexacosane	129	55-134

Field ID: B6-5'
Type: SAMPLE
Lab ID: 175720-022
Diln Fac: 5.000
Analyzed: 11/08/04

Analyte	Result	RL
Diesel C10-C24	740 L Y	5.0
Motor Oil C24-C36	ND	25

Surrogate	%REC	Limits
Hexacosane	60	55-134

Field ID: B6-10'
Type: SAMPLE
Lab ID: 175720-023
Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	5.5 L Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	94	55-134

Field ID: B7-1'
Type: SAMPLE
Lab ID: 175720-024
Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	150 H Y	1.0
Motor Oil C24-C36	96	5.0

Surrogate	%REC	Limits
Hexacosane	99	55-134

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

40.1

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Total Extractable Hydrocarbons

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/02/04
Units:	mg/Kg	Received:	11/03/04
Basis:	as received	Prepared:	11/05/04
Batch#:	96176		

Field ID: B7-5'
Type: SAMPLE
Lab ID: 175720-025

Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	1.7 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	87	55-134

Field ID: B7-10'
Type: SAMPLE
Lab ID: 175720-026

Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	88	55-134

Field ID: B8-1'
Type: SAMPLE
Lab ID: 175720-027

Diln Fac: 1.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	1.2 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	86	55-134

Field ID: B9-6
Type: SAMPLE
Lab ID: 175720-028

Diln Fac: 2.000
Analyzed: 11/05/04

Analyte	Result	RL
Diesel C10-C24	100 H Y	2.0
Motor Oil C24-C36	170	10

Surrogate	%REC	Limits
Hexacosane	107	55-134

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

40.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/02/04
Units:	mg/Kg	Received:	11/03/04
Basis:	as received	Prepared:	11/05/04
Batch#:	96176		

Type:	BLANK	Analyzed:	11/05/04
Lab ID:	QC271016	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	91	55-134

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Filtrate	Sampled:	11/02/04
Units:	ug/L	Received:	11/03/04
Diln Fac:	1.000	Prepared:	11/16/04
Batch#:	96528	Analyzed:	11/16/04

Field ID: B3-GW
Type: SAMPLE
Lab ID: 175720-030

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Copper	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

Field ID: B4-GW
Type: SAMPLE
Lab ID: 175720-031

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Copper	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

Field ID: B5-GW
Type: SAMPLE
Lab ID: 175720-032

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Copper	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Filtrate	Sampled:	11/02/04
Units:	ug/L	Received:	11/03/04
Diln Fac:	1.000	Prepared:	11/16/04
Batch#:	96528	Analyzed:	11/16/04

Field ID: B2-GW
Type: SAMPLE
Lab ID: 175720-033

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Copper	ND	10
Lead	3.5	3.0
Nickel	ND	20
Zinc	23	20

Field ID: B9-GW
Type: SAMPLE
Lab ID: 175720-035

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Copper	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

Type: BLANK
Lab ID: QC272415

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Copper	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

tch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	96528
Units:	ug/L	Prepared:	11/16/04
Diln Fac:	1.000	Analyzed:	11/16/04

Type: BS Lab ID: QC272416

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	53.10	106	80-120
Chromium	200.0	195.0	98	80-120
Copper	250.0	241.0	96	80-120
Lead	100.0	99.20	99	61-138
Nickel	500.0	516.0	103	80-120
Zinc	500.0	492.0	98	80-120

Type: BSD Lab ID: QC272417

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	53.60	107	80-120	1	20
Chromium	200.0	196.0	98	80-120	1	20
Copper	250.0	243.0	97	80-120	1	20
Lead	100.0	99.70	100	61-138	1	28
Nickel	500.0	519.0	104	80-120	1	20
Zinc	500.0	496.0	99	80-120	1	20

RPD= Relative Percent Difference

44.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

tch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175720	Location:	Stone Boatyard
Client:	Questa Engineering Corporation	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	B3-GW	Batch#:	96528
MSS Lab ID:	175720-030	Sampled:	11/02/04
Matrix:	Filtrate	Received:	11/03/04
Units:	ug/L	Prepared:	11/16/04
Diln Fac:	1.000	Analyzed:	11/16/04

Type: MS Lab ID: QC272418

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	0.3670	50.00	54.20	108	69-123
Chromium	<0.9200	200.0	200.0	100	73-120
Copper	<3.100	250.0	245.0	98	75-120
Lead	<1.100	100.0	101.0	101	43-152
Nickel	5.160	500.0	519.0	103	68-120
Zinc	14.70	500.0	509.0	99	74-122

Type: MSD Lab ID: QC272419

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	52.70	105	69-123	3	20
Chromium	200.0	197.0	99	73-120	2	20
Copper	250.0	242.0	97	75-120	1	20
Lead	100.0	101.0	101	43-152	0	36
Nickel	500.0	509.0	101	68-120	2	20
Zinc	500.0	501.0	97	74-122	2	20

Relative Percent Difference

45.0

175720

0037.COR

Client: Power Engineering	Report To: Questa
Address: 1501 Viking Street #200, Alameda, CA 94501	Bill To: Power Engineering
Attention: Danny A. Reynolds	Billing Reference: Stone Boatyard
Phone: (510) 338 3803	Project No.: Questa - 240165
Sampled by (Print):	Site Name: Stone Boatyard
Sampler Signature:	Project Manager: W. Hopkins
Date Sampled:	Requested Due Date: 3 days 11/5-04

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	TPH gas BTEX	TPH diesel	TPH motor oil	VOC (8260)				REMARKS
-10 1.	B8-6'	1340	Soil	Glass	1					X	X	X					Hold VOC
-11 2.	B2-2'	1400								X	X	X	X				Run VOC
-12 3.	B2-6'	1410								X	X	X					Hold VOC
-13 4.	B2-12'	1420								X	X	X	X				Run VOC
-14 5.	B2-15'	1430															Hold
-15 6.	B1-2'	1450		Stainless Liner													Hold
-16 7.	B1-6'	1500								X	X	X	X				
-17 8.	B1-15'	1510															Hold
-18 9.	B9-2'	1530															Hold

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE

ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-9	Joseph Farmer / Questa	LC / C+T	11/2/04	1800

Additional Comments:

Received ☒ On Ice ☐ Cold ☐ Ambient ☒ Intact

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

1157 20

0037.CDR

Client: Power Engineering
Address: 1501 Viking Street #200
Alameda, CA 94501
Attention: Danny A. Reynolds
Phone: (510) 338 3803

Report To: Questa
Bill To: Power Engineering
Billing Reference: Stone Boatyard
Project No.: Questa-240165

Site Name: Stone Boatyard
Project Manager: W. Hopkins
Requested Due Date: 3 days, 11/5/04

Sampled by (Print):
Sampler Signature:
Date Sampled:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	TPH gas/BTEX 8260	TPH diesel 8015	TPH motor oil 8015	VOC 8260	REMARKS
-19 1.	B5-8'	1145	Soil	Glass	1					X	X	X	X	Hold VOC
-20 2.	B5-15'	1155			1									Hold
-21 3.	B6-1'	1240			1					X	X	X		Hold VOC
-22 4.	B6-5'	1245			1					X	X	X		Hold VOC
-23 5.	B6-10'	1250			1					X	X	X		Hold VOC
-24 6.	B7-1'	1300			1					X	X	X		Hold VOC
-25 7.	B7-5'	1310			1					X	X	X		Hold VOC
-26 8.	B7-10'	1315			1					X	X	X		Hold VOC
-27 9.	BB-1'	1330			1					X	X	X		Hold VOC

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE

ITEM NO	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-9	Joseph Farrar/Questa	Lauren Ltrs CFT	11/2/04	1800

Additional Comments:

Received ☒ On Ice ☐ Cold ☐ Ambient ☒ Intact

Questa Engineering Corporation

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Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

115720

0037.COR

Client: Power Engineering	Report To: Questa	Site Name: Stone Boatyard
Address: 1501 Viking St. #200 Alameda, CA 94501	Bill To: Power Engineering	Project Manager: W. Hopkins
Attention: Penny A. Reynolds	Billing Reference: Stone Boatyard	Requested Due Date: 3 days 11/5/04
Phone: (510) 337-3803	Project No.: Questa-240165	
Sampled by (Print):		
Sampler Signature:		
Date Sampled:		

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT TYPE	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: TPH gasoline	TPH diesel	TPH mo	VOCs (8260)	REMARKS
1.	B9-6	1540	Soil	(Jar)	1					X	X	X	X	
2.	B9-15'	1550	Soil	(Jar)	1									Hold
3.				1										
4.				Shirley Law										
5.														
6.														
7.														
8.														
9.														

-28
-29

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE

Additional Comments:

Received ☒ On ice ☐ Cold ☐ Ambient ☒ Intact

ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-2	Joseph Farmer / Questa	[signature] / C+T	11/2/04	1800

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

175720

0037.CDR

Client: Power Engineering	Report To: Questa	Site Name: Stone Boatyard
Address: 1501 Viking Street #200 Alameda, CA 94501	Bill To: Power Engineering	Project Manager: W. Hopkins
Attention: Danny A. Reynolds	Billing Reference: Stone Boatyard	Requested Due Date: 3 days / 11-5-04
Phone: (510) 338 3803	Project No.: Questa - 240165	
Sampled by (Print):		
Sampler Signature:		
Date Sampled:		

PRESERVATIVES / ANALYSES REQUEST / REMARKS

	ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA			VOC 8260	TPH gas/BTEX	TPH diesel	TPH motor oil	8015m	Priority pollutant metals	REMARKS
-30	1.	B3 - GW		Water	VOA	5							X	X					
	2.	B3 - GW		Water	Amber	2									X	X			
-31	3.	B4 - GW		Water	VOA	5							X	X					
	4.	B4 - GW		Water	Amber	2									X	X			
-32	5.	B5 - GW		Water	VOA	5							X	X					
	6.	B5 - GW		Water	Amber	2									X	X			
-33	7.	B2 - GW		Water	VOA	5							X	X					
	8.	B2 - GW		Water	Amber	3									X	X		X	X	
-34	9.	Trip Blank		Water	VOA	1													Distilled Water

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
				1-9	Joseph Roma / Questa	[signature] / C+T	11/2/04	1800

Additional Comments:

Received: ☐ Cold ☐ Ambient ☑ On Ice ☑ Intact

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

175720

0037.CDR

Client: Power Engineering	Report To: Questa
Address: 501 Viking Street #290, Alameda, CA 94501	Bill To: Power Engineering
Attention: Danny A. Reynolds	Billing Reference: Store Boat yard
Phone: (510) 337-3803	Project No.: Questa-240165
Sampled by (Print): W Hopkins / J Farren	Site Name: Store Boat yard
Sampler Signature:	Project Manager: W. Hopkins
Date Sampled: 11/2/04	Requested Due Date: 3 days 11/5/04

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCL	ANALYSES REQUEST: TPH gasoline	TPH w/o TPH diesel	VOCs (8260)	REMARKS
1.	B9-GW	1615	Water	Amber	2							X	X	
2.	B9-GW	1615	Water	VOAs	4					X	X		X	
3.														
4.														
5.														
6.														
7.														
8.														
9.														

COOLER NOS	BAILERS	SHIP OUT DATE	RETURNED DATE

ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-2	Joseph Tomar/Questa	C+T	11/2/04	1800

Additional Comments:

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-01
SOIL

Client Sample No. B6-1'

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	5.3	2.4	
Cobalt (Co)			
Chromium (Cr)	43	4.9	
Copper (Cu)	3,000	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	22	2.4	
Lead (Pb)	360	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	1,200	240	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.
*Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In **65267**
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-02
Client Sample No. B6-5'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.2	2.3	
Cobalt (Co)			
Chromium (Cr)	40	4.6	
Copper (Cu)	73	2.3	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	41	2.3	
Lead (Pb)	3.3	2.3	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	42	9.2	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/4/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-03
Client Sample No. B7-1'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.3	2.4	
Cobalt (Co)			
Chromium (Cr)	30	4.8	
Copper (Cu)	67	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	21	2.4	
Lead (Pb)	24	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	56	9.7	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/4/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-04
Client Sample No. B7-5'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	< 2.4	2.4	
Cobalt (Co)			
Chromium (Cr)	33	4.8	
Copper (Cu)	6.8	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	18	2.4	
Lead (Pb)	< 2.4	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	22	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury
Mark Disbury, Senior Analytical Chemist

11/4/2004
Date Reported

Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kiliogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In **65267**
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-05
Client Sample No. **B8-1'**
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	< 2.4	2.4	
Cobalt (Co)			
Chromium (Cr)	28	4.8	
Copper (Cu)	9.2	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	7.9	2.4	
Lead (Pb)	7.5	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	15	9.6	
Mercury (Hg)*			

Technical Supervisor: _____ 11/4/2004 Analyst: MD
Mark Disbury, Senior Analytical Chemist — Date Reported

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-06
Client Sample No. B8-6'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.8	2.4	
Cobalt (Co)			
Chromium (Cr)	36	4.8	
Copper (Cu)	6.7	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	33	2.4	
Lead (Pb)	< 2.4	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	24	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/4/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In **65267**
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-07
Client Sample No. B3-1'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	4.4	2.4	
Cobalt (Co)			
Chromium (Cr)	32	4.8	
Copper (Cu)	89	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	26	2.4	
Lead (Pb)	1,000	12	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	130	48	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log in 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No.	Client Sample No.
65267-08	B3-5'

SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.0	2.4	
Cobalt (Co)			
Chromium (Cr)	40	4.8	
Copper (Cu)	11	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	40	2.4	
Lead (Pb)	12	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	36	9.7	
Mercury (Hg)*			

Technical Supervisor: _____ 11/4/2004 Analyst: MD
Mark Disbury, Senior Analytical Chemist — Date Reported

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-09
Client Sample No. B4-1'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.3	2.4	
Cobalt (Co)			
Chromium (Cr)	39	4.8	
Copper (Cu)	140	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	33	2.4	
Lead (Pb)	630	12	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	240	48	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-10
Client Sample No. B4-5'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.6	2.4	
Cobalt (Co)			
Chromium (Cr)	42	4.8	
Copper (Cu)	16	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	27	2.4	
Lead (Pb)	27	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	35	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/4/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-11
Client Sample No. B5-1'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.5	2.4	
Cobalt (Co)			
Chromium (Cr)	32	4.8	
Copper (Cu)	45	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	17	2.4	
Lead (Pb)	93	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	91	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.
Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In **65267**
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-12
Client Sample No. B5-5'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.1	2.4	
Cobalt (Co)			
Chromium (Cr)	38	4.8	
Copper (Cu)	7.7	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	36	2.4	
Lead (Pb)	< 2.4	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	26	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per killogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-13
Client Sample No. B5-8'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.5	2.4	
Cobalt (Co)			
Chromium (Cr)	44	4.8	
Copper (Cu)	8.1	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	28	2.4	
Lead (Pb)	< 2.4	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	25	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-14
Client Sample No. B2-2'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	7.9	2.4	
Cobalt (Co)			
Chromium (Cr)	100	4.8	
Copper (Cu)	220	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	19	2.4	
Lead (Pb)	67,000	240	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	330	48	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No.	Client Sample No.
65267-15	B2-6'

SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.9	2.4	
Cobalt (Co)			
Chromium (Cr)	42	4.8	
Copper (Cu)	9.2	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	36	2.4	
Lead (Pb)	95	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Tl)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	26	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-16
Client Sample No. B2-12'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.6	2.4	
Cobalt (Co)			
Chromium (Cr)	44	4.8	
Copper (Cu)	5.4	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	44	2.4	
Lead (Pb)	11	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Tl)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	21	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-17
Client Sample No. B1-2'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.4	2.4	
Cobalt (Co)			
Chromium (Cr)	36	4.8	
Copper (Cu)	32	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	33	2.4	
Lead (Pb)	110	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	120	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-18
Client Sample No. B1-6'
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	2.5	2.4	
Cobalt (Co)			
Chromium (Cr)	36	4.8	
Copper (Cu)	12	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	35	2.4	
Lead (Pb)	5.7	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	32	9.6	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).
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Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

MICRO ANALYTICAL LABORATORIES, INC.

METALS IN SOLID WASTE

1004

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807

PROJECT:
STONE BOATYARD
PROJECT NO. QUESTA - 240165

Micro Log In 65267
Total Samples 19
Date Sampled 11/02/2004
Date Received 11/02/2004
Date Analyzed 11/03/2004

SAMPLE ID / DESCRIPTION

Micro Sample No. 65267-19
Client Sample No. TRAP BACKFILL (NEAR B-2)
SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.8	2.4	
Cobalt (Co)			
Chromium (Cr)	15	4.8	
Copper (Cu)	3,600	12	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	18	2.4	
Lead (Pb)	84	2.4	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	420	48	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury, Senior Analytical Chemist — 11/8/2004 Date Reported — Analyst: MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit). This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

Method	6010
Date Prepared	11/02/2004
Date Analyzed	11/03/2004
Analyst	MD

ICP QC REPORT

11/03/2004

Lab ID: 65267-1 **Matrix:** Soil

Analyte	Unit	Blank	Lab Control Sample				Sample	S1	S2		Mean Spike		Dup Spike RPD	
			Conc.	True Value	% Recovery	Control Limit				True Value	Recovery	Control Limit	RPD	Control Limit
Cd	ppm	< 0.05	67.8	81.1	84	80 - 120%	5.3	95	95	97.3	92	100±25	0.3	20%
Cr	ppm	< 0.1	80.1	93.9	85	80 - 120%	42.9	142	152	97.3	107	100±25	6.5	20%
Cu	ppm	< 0.05	63.2	68.6	92	80 - 120%	2958	2963	2690	97.3	NA	100±25	10	20%
Ni	ppm	< 0.05	77.2	97.6	79	80 - 120%	22.2	114	110	97.3	92	100±25	2.8	20%
Pb	ppm	< 0.1	112	126	89	80 - 120%	362.2	499	452	97.3	116	100±25	10	20%
Zn	ppm	< 0.2	251	307	82	80 - 120%	49	1173	1117	97.3	NA	100±25	5.0	20%

CORRECTIVE ACTION

NA = Not applicable since the sample concentration is greater than 4 times the spike concentration.
LCS result for Ni is within the Acceptance Limits of 63.4 - 111 mg/kg established by ERA for Soil-46.
Digestion batch QC results applicable for soil samples: 65267-1,3,5,7,11,17 and 19.

5900 HOLLIS STREET, SUITE M, EMERYVILLE, CALIFORNIA 94608 - (510) 653-0824

ICP QC REPORT

11/03/2004

Method	6010
Date Prepared	11/03/2004
Date Analyzed	11/03/2004
Analyst	MD

Lab ID: 65267-2 Matrix: Clay

Analyte	Unit	Blank	Lab Control Sample				Sample	S1	S2		Mean Spike		Dup Spike RPD	
			Conc.	True Value	% Recovery	Control Limit				True Value	Recovery	Control Limit	RPD	Control Limit
Cd	ppm	< 0.05	70.4	81.1	87	80 - 120%	3.15	95.3	94.8	98.3	93	100±25	0.5	20%
Cr	ppm	< 0.1	82.5	93.9	88	80 - 120%	40.1	146	144	98.3	107	100±25	1.4	20%
Cu	ppm	< 0.05	64.5	68.6	94	80 - 120%	72.85	143	178	98.3	89	100±25	22	20%
Ni	ppm	< 0.05	80.4	97.6	82	80 - 120%	41.3	133	135	98.3	95	100±25	1.3	20%
Pb	ppm	< 0.05	119	126	95	80 - 120%	3.26	96.2	96.8	98.3	95	100±25	0.7	20%
Zn	ppm	< 0.2	258	307	84	80 - 120%	42.09	125	129	98.3	86	100±25	3.3	20%

CORRECTIVE ACTION

All clay samples are difficult to homogenize for wet weight determinations.
Digestion batch QC is applicable to clay samples: 65267-2,4,6,8-10,12-16,18.

5900 HOLLIS STREET, SUITE M, EMERYVILLE, CALIFORNIA 94608 - (510) 653-0824

003.

Client: Power Engineering
Address: 1501 Viking Street #200
Alameda, CA 94501
Attention: Danny A. Reynolds
Phone: (510) 338 3803

Report To: Questa
Bill To: Power Engineering
Billing Reference: Stone Boatyard
Project No.: Questa - 240165

Site Name: Stone Boatyard
Project Manager: W. Hopkins
Requested Due Date: 3 days 11/5/04

Sampled by (Print):
Sampler Signature:
Date Sampled:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: Cadmium	Chromium	Copper	Lead	Nickel	Zinc	REMARKS
1.	B5-15'		Soil	Glass	1											Hold
01 2.	BG-1'				1					X	X	X	X	X	X	
02 3.	BG-5'				1					X	X	X	X	X	X	
4.	BG-10'				1											Hold
03 5.	B7-1'				1					X	X	X	X	X	X	
04 6.	B7-5'				1					X	X	X	X	X	X	
7.	B7-10'				1											Hold
05 8.	BB-1'				1					X	X	X	X	X	X	
06 9.	BB-6'				1					X	X	X	X	X	X	

65267

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE

ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
	W. Hopkins/Questa	Micro Analytical	11/2/04	1830

Additional Comments:

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

0037.CDR

Client: Power Engineering
Address: 1501 Viking Street #200
Alameda, CA 94501
Attention: Danny A. Reynolds
Phone: (510) 338 3803

Report To: Questa
Bill To: Power Engineering
Billing Reference: Stone Boatyard
Project No.: Questa - 240165

Site Name: Stone Boatyard
Project Manager: W. Hopkins
Requested Due Date: 3 days 11/5/04

Sampled by (Print):
Sampler Signature:
Date Sampled:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	REMARKS
1.	B3-1'		Soil	Glass	1					X	X	X	X	X	X	65267
2.	B3-5'				1					X	X	X	X	X	X	
3.	B3-10'				1											Hold
4.	B4-1'				1					X	X	X	X	X	X	
5.	B4-5'				1					X	X	X	X	X	X	
6.	B4-15'				1											Hold
7.	B5-1'				1					X	X	X	X	X	X	
8.	B5-5'				1					X	X	X	X	X	X	
9.	B5-8'				1											

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE

ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
	W. Hopkins/Questa	Micro Analytical	11/2/04	1830

Additional Comments:

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

0037.CDR

Client: Power Engineering
Address: 1501 Viking Street #200
Alameda, CA 94501
Attention: Danny A. Reynolds
Phone: (510) 337 3803

Report To: Questa
Bill To: Power Engineering
Billing Reference: Store Boatyard
Project No.: Questa 240165

Site Name: Store Boatyard, Blanding Ave.
Project Manager: W. Hopkins
Requested Due Date: 3 days 11/5/04

Sampled by (Print): J. Farrow
Sampler Signature:
Date Sampled: 11/2/04

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	Cadmium	Chromium	Lead	Mercury	Nickel	Zinc	REMARKS
14 1.	B2 ~~at~~ 2'		Soil	Glass	1					X	X	X	X	X	X	65267
15 2.	B2 - 6'				1					X	X	X	X	X	X	
16 3.	B2 - 12'				1					X	X	X	X	X	X	
4.	B2 - 15'				1					X	X	X	X	X	X	
17 5.	B1 - 2'				1											Hold
18 6.	B1 - 6'				1					X	X	X	X	X	X	
19 7.	Trap Backfill (Near B-2)		X	X	1					X	X	X	X	X	X	
8.										X	X	X	X	X	X	
9.																

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE

Additional Comments:

ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
	W. Hopkins/Questa	MicroAnalytics	11/2/04	1830

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST