

**Phase II Soil Quality Investigation
California Hotel
3501 San Pablo Avenue
Oakland, California**

January 28, 2011

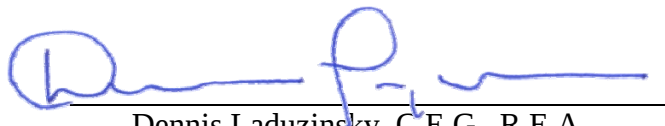
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Principal



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1.0 INTRODUCTION AND SCOPE OF SERVICES

This report presents the results of a Phase II Soil Quality Investigation performed by Northgate Environmental Management, Inc. (Northgate) for the City of Oakland at the California Hotel, located at 3501 San Pablo Avenue in Oakland, Alameda County, California (the Site). The Site consists of a five-story brick building with a paved parking area and a vacant lot used for a community garden located on the western side of the Site. The soil quality investigation was performed in this paved parking and garden area. A Site Location Map is shown on Figure 1 and a Site Plan is shown on Figure 2.

The purpose of the investigation was to:

- Confirm the presence or absence of soil contamination on the western portion of the Site;
- Evaluate data collected at the Site and provide professional opinions regarding environmental conditions at the Site, potential liabilities associated with the Site, and potential impacts to future use of the Site; and
- Evaluate the potential need for remediation or additional evaluation of risk.

The work was performed in accordance with the *Sampling and Analysis Plan, Soil Quality Investigation, California Hotel, 3501 San Pablo Avenue, Oakland, California* dated December 27, 2010 (the SAP). The SAP was in-turn prepared in conformance with the *Quality Assurance Project Plan, West Oakland Development Area, Oakland, California* prepared by Northgate on September 8, 2009 (the QAPP). The investigation was funded by USEPA Brownfields Grant # 2B-00T18101.

The scope of work for this investigation included the following services:

- Scanning the western portion of the property with a metal detecting device to evaluate this part of the Site for the possible presence of underground storage tanks (USTs) and buried debris;
- Collecting soil samples from eight hand-auger borings advanced on the western portion of the Site;
- Selectively analyzing the soil samples for 17 metals, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and organochlorine pesticides; and
- Preparing this report.



2.0 BACKGROUND

2.1 Site Description

The subject Site is located at 3501 San Pablo Avenue, between 34th Street and 35th Street. The Site is developed with a five-story brick building, with a paved parking area and a vacant lot used for gardening located on the western side of the Site.

The Site is located in an area of mixed residential and commercial development. The Site is bordered on the north by 35th Street followed by Interstate 580. Several commercial properties, including a liquor store, a rental truck yard, and a sheet metal company, are located to the south of the Site. San Pablo Avenue borders the Site on the east, across which are two gasoline service stations and residences. Chestnut Street borders the Site on the west followed by a warehouse building and residences.

2.2 Previous Investigations

Information presented in a Phase I ESA by ARS, Inc. dated November 3, 2009 indicates that portions of the first floor of the building were formerly occupied by dry cleaning shops at various times from 1950 through 1980. In addition, a small area of the existing parking lot on the west side of the Site was formerly occupied by a battery service operation. The Phase I ESA indicates that a 1,500 gallon UST for fuel oil was removed from beneath the sidewalk along Chestnut Street adjacent to the west side of the Site in 1990. Low to moderate levels of petroleum hydrocarbons as gasoline, diesel, and oil were reported in soil samples collected beneath the tank at the time of removal, but soil samples collected following over-excavation of additional soil were reported to be clean. The case received regulatory closure in 1998 and no further action is currently required. However, the previous Phase I ESA concluded that fuel hydrocarbons potentially could have been released from the underground piping connecting the UST to the boiler room at the hotel. The Phase I ESA also indicates that gasoline hydrocarbons are likely to have migrated beneath the Site in groundwater, contaminated by releases at one or more gasoline service stations located to the east across San Pablo Avenue from the Site. The report recommended additional investigation to evaluate potential contamination related to the former dry cleaners and UST piping. Lastly, it appears that several feet of fill material have been placed over a large area of the southwestern portion of the Site. A community vegetable garden and a greenhouse currently occupy this area. The original source of the fill material is not known.



3.0 SOIL INVESTIGATION

3.1 Investigation Methods

3.1.1 Sampling and Analysis

Northgate performed soil sampling at the subject Site on January 13, 2011. Field work included scanning the western portion of the property with remote sensing equipment to evaluate the Site for the possible presence of USTs and buried debris. Following the scanning, eight hand-auger borings were advanced to depths of 2 to 6 feet below ground surface (bgs) for collecting soil samples. Approximate boring locations are shown on Figure 2. Three borings (SB-1 – SB-3) were oriented in a north to south direction to evaluate shallow soil quality in the parking lot. The fourth boring (SB-4) was located adjacent to the sidewalk at the former battery service area and former UST location. Four additional shallow borings (SB-5 – SB-8) were advanced in the garden area to sample the uppermost import fill material at that location. Permits were not required from the Alameda County Public Works Department for the borings due to the shallow depths involved.

Soil samples were collected for chemical analysis from borings SB-1 through SB-4 at approximate depths of 1, 3, and 5 to 6 feet bgs. Samples from 1 and 3 feet bgs were analyzed, and the samples from 5 or 6 feet bgs were placed on hold at the laboratory pending receipt of the initial test results. Representative samples of the fill material present on the southwest portion of the Site collected at depths of 1.5 to 3 feet bgs were also analyzed.

The borings were advanced using hand-auger equipment. Following coring of the surface asphalt by a commercial coring company, the hand auger was used to advance each borehole to the desired sample collection depth. A slide-hammer was then used to drive a clean, 2-inch diameter by 6-inch long stainless steel liner in to the undisturbed soil at the base of the borehole to collect a sample. The liners containing the sample were then sealed with Teflon tape and plastic caps, labeled, and placed on ice in a cooler for transport to the chemical testing laboratory.

During drilling, soils were screened for indications of the possible presence of contamination using a photoionization detector (PID). Borings were logged in the field in accordance with the Unified Soils Classification System (USCS). Copies of the boring logs are attached in Appendix A.

Soil samples were collected for chemical analysis at approximate depths of 1, 3, and 5 feet bgs from borings SB-1, SB-2, SB-3, and SB-4. Samples were collected at depths of 1.5 or 3 feet bgs



in the garden area fill soil at borings SB-5 – SB-8. A duplicate soil sample was collected at 3.0 feet bgs at boring SB-4 by driving another liner immediately after the first, and analyzing the formerly adjacent ends of each sample.

Samples were analyzed at Torrent Laboratory of Milpitas, California. Samples from 1 and 3 feet bgs at borings SB-1, SB-2, SB-3, and SB-4 were analyzed for the following constituents:

- Total petroleum hydrocarbons as gasoline (TPH-g), and for diesel (TPH-d) and oil (TPH-o) using EPA Methods 8260 and 8015, respectively;
- VOCs using EPA Method 8260;
- 17 metals using EPA 6000/7000 series.

Samples from 5 or 6 feet bgs were initially placed on hold at the laboratory. Following receipt of the test results, the 6-foot sample from boring SB-3 was analyzed for TPH-g.

The samples collected at depths of 1.5 or 3.0 feet bgs at borings SB-5 – SB-8 were combined at the laboratory to form a single composite sample for analysis. This composite sample (sample Comp1) was analyzed for:

- TPH-g, TPH-d, and TPH-o using EPA Methods 8260 and 8015, respectively;
- VOCs using EPA Method 8260;
- 17 metals using EPA 6000/7000 series;
- organochlorine pesticides using EPA Method 8081; and
- PCBs using EPA Method 8082.

All drilling equipment was washed and rinsed prior to use at each boring location. After completion of sampling activities, all borings were backfilled with compacted soil cuttings and the asphalt core replaced.

3.1.2 Data Evaluation

Chemical test results from soil samples collected during this investigation were evaluated using Environmental Screening Levels (ESLs) established by the California Regional Water Quality Control Board (RWQCB) (*Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final, November 2005, Revised May 2008) and the Total Threshold Limit Concentrations (TTLCs) established by the State of California (Title 22, California Code of Regulations).



The ESLs were developed to address environmental protection goals presented in the *Water Quality Control Plan for the San Francisco Bay Basin* (Basin Plan; RWQCB, 2006), including protection of groundwater and surface water resources, protection of human health, protection against vapor intrusion into buildings, and other concerns. The ESLs are developed using a tiered approach to environmental risk assessment. For site characterization studies such as the present investigation, Tier 1 ESLs are used as a general screening guide to determine whether additional investigation, remedial actions, or risk assessment may be required. The Tier 1 ESLs are not regulatory cleanup standards, and the presence of a chemical at a concentration above the Tier 1 ESL does not necessarily indicate that adverse impacts to human health or the environment are occurring, but rather, indicate that a potential for adverse risk may exist and that additional evaluation may be warranted. The Tier 1 ESLs are conservative, and are generally based on an assumption of future residential land use, and the potential use of groundwater as drinking water supply; assumptions that may not necessarily be applicable to a particular site. According to the Basin Plan, groundwater in the vicinity of the subject Site is classified as a potential drinking water supply. Other ESLs used in this report to assess environmental conditions at the Site are ESLs for evaluating soils in commercial or industrial land use and ESLs for evaluating direct exposure to construction workers. With regard to lead, the California Human Health Screening Levels (CHHSLs) for residential and commercial land use established by the California EPA in 2009 are substituted in place of the RWQCB ESLs. The TTLCs are used to define a waste material as a hazardous or non-hazardous waste for landfill disposal purposes, and do not necessarily have any relation to health risk evaluation.

3.2 Investigation Results

3.2.1 Scanning for USTs

Scanning the western portion of the Site with remote sensing equipment (e.g., metal detecting devices) did not indicate the potential presence of USTs or specific areas of buried debris.

3.2.2 Subsurface Conditions

Subsurface soils encountered at the Site consisted primarily of clay to a depth of at least 6 feet bgs in the paved parking lot, and organic rich soil to a depth of at least 3 feet bgs in the garden area. No staining, discoloration, odors, or other indications of contamination were observed on the soil during the investigation. Logs of the borings are presented in Appendix A.

3.2.3 Soil Quality

Soil sample analytical results are presented in Table 1, and laboratory analytical reports are presented in Appendix C. As shown in Table 1, TPH-g was not detected above the laboratory



method reporting limit (MRL) in any of the soil samples collected at the Site, with the exception of the sample collected at 3.0 feet bgs at boring SB-3, which contained TPH-g at 0.2 milligrams per kilogram (mg/kg). Based on this result, the sample from 6.0 feet bgs was analyzed for TPH-g. However, the sample did not contain TPH-g above the laboratory MRL. The RWQCB Tier 1 and commercial/industrial land use ESLs for TPH-g in shallow soil is 83 mg/kg. The ESL for construction worker exposure is 4,200 mg/kg.

TPH-d was not detected above the laboratory MRL in any of the soil samples collected at the Site with the exception of 12 mg/kg TPH-d measured in the sample from 3.0 feet bgs at boring SB-1. This result is below the RWQCB Tier 1 ESL and the commercial/industrial land use ESL of 83 mg/kg, and the ESL for construction worker exposure of 4,200 mg/kg.

TPH-o was detected above the laboratory MRL in both samples from boring SB-1 (5.6 mg/kg at 1.0 foot bgs and 24 mg/kg at 3.0 feet bgs), the 1.0 foot sample from boring SB-4 (5.2 mg/kg), and the duplicate sample from 3.0 feet bgs at boring SB-4 (12 mg/kg). TPH-o was also reported at 24 mg/kg in the composite sample (Comp1) from the garden area. The measured concentrations of TPH-o in all samples are below the RWQCB Tier 1 ESL of 370 mg/kg, the commercial/industrial land use ESL of 2,500 mg/kg, and the ESL for construction worker exposure of 12,000 mg/kg.

VOCs were not detected above the laboratory MRLs in any of the soil samples collected at the Site.

The composite sample from the garden area did not contain organochlorine pesticides or PCBs above the laboratory MRLs.

Metals, including arsenic, barium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc, were reported at low concentrations in nearly all soil samples collected at the Site. None of the samples contained metals above the RWQCB Tier 1 ESLs, except for arsenic and vanadium, which although above the Tier 1 ESLs are present at concentrations representative of naturally occurring background levels. In our opinion, the presence of arsenic (3.1 – 8.0 mg/kg) and vanadium (29 – 55 mg/kg) above the Tier 1 ESLs does not represent a significant environmental concern.

Lead was measured at 4.6 to 22 mg/kg in the samples from borings SB-1 – SB-4, and at 50 mg/kg from the 4-point composite sample collected from the garden area (sample Comp1). The four samples comprising the composite sample were subsequently analyzed as discrete samples to evaluate individual concentrations of lead in the garden area soils. The discrete sample results were 47 mg/kg for sample SB5-1.5, 32 mg/kg for sample SB6-3.0, 95 mg/kg for sample SB-7-



1.5, and 52 mg/kg for sample SB8-3.0. Except for the 95 mg/kg of lead in sample SB6-3.0, all of the results are below the CHHSL for lead in residential development soils of 80 mg/kg. The results are well below the ESL for construction worker exposure of 750 mg/kg.

3.3 Quality Assurance/Quality Control

Soil samples were collected following sampling protocols and QA/QC procedures outlined in the *Sampling and Analysis Plan*, prepared by Northgate on December 27, 2010. Chain-of-custody forms were completed for all samples, and samples were preserved according to the analytical method requirements.

QC objectives include *precision*, a measure of mutual agreement among individual measurements of the same property; *accuracy*, the agreement of a measurement with the accepted reference value; *representativeness*, the degree to which sample distribution falls within the statistical bounds of a population; *completeness*, a measure of the amount of valid data obtained compared to what was planned; and *comparability*, the confidence with which one data set can be compared to another.

QC procedures are designed to increase or improve data quality and to help interpret discrepancies in results. Sampling QA/QC procedures were followed with respect to equipment, field procedures, sample containers, decontamination, storage, holding times, and field QC sampling. Torrent Laboratory in Milpitas, California, performed the analyses and is state-certified for the methods listed. All samples were preserved according to analytical method, all analyses were performed according to standard methods, and all sample holding times and preservation requirements were met.

Analytical results were reported for all values above the MDL. Several QA/QC analyses were performed by the analytical laboratory. Method blanks were analyzed for each analytical method performed to assess the level of contamination introduced by the laboratory. Results of the method blank analyses were all non-detect for TPH-g, TPH-d, and VOCs. Several metals (chromium, copper, lead, nickel, and mercury) were reported at low-level concentrations in the method blank samples.

Surrogate recoveries were performed in which selected samples were spiked with a known concentration of contaminant (laboratory control spike [LCS] and laboratory control spike duplicate [LCSD]) and the percent recovery was calculated to assess the accuracy of the analytic method. Surrogate recoveries and the relative percent difference (RPD) between duplicate results—calculated to assess the precision of the data—were all within the acceptable range.



The laboratory also spiked specific samples submitted during this investigation with identical concentrations of target analytes (matrix spike [MS] and matrix spike duplicate [MSD]). The spiking occurs prior to the sample preparation and analysis. The results are used to document the precision and bias of a method in a given sample matrix. That laboratory reports that for EPA Method S_6010B, 1101058-001AMS/MSD, QC Analytical Batch ID 403561, the % recoveries for chromium, copper, and nickel in the MS and chromium, copper, nickel and lead in the MSD were outside of laboratory control limits but were within % RPD limits. The associated LCS/LCSD % recoveries and % RPD were within limits. A post-digestion Spike (PDS) was analyzed and yielded recoveries within control limits indicating the heterogeneous nature of the sample. No corrective action was required.

For 1101058-001A and 1101058-005A, QC Batch ID 403561 and 403562, the spikes in the MS/MSD for barium were not recoverable. However, as the sample concentration was greater than 4X the spike concentration. No corrective action was required.

Northgate collected one duplicate soil sample from boring SB-4 during the investigation. Comparison of primary and duplicate sample results is used to assess the precision of the field data. No TPH-g, TPH-d, or VOCs were detected in either the primary or the duplicate sample. TPH-o was not detected above 4 mg/kg in the primary sample, but was reported at 12 mg/kg in the duplicate sample.

Metals were generally comparable in the primary and duplicate samples. However, mercury was not detected above 0.1 mg/kg in the primary sample, but was reported at 0.27 mg/kg in the duplicate. Based on the information presented above, we conclude that the slight difference in analytic results for the primary and duplicate samples collected from SB-4 are within acceptable ranges and are primarily due to the natural heterogeneities in soil. In our opinion, the results should be considered acceptable.



4.0 CONCLUSIONS AND RECOMMENDATIONS

The soil sampling performed during this investigation indicates that low levels of petroleum hydrocarbons as oil are locally present in shallow soil and the garden area fill soils located on the western portion of the Site. However, all of the hydrocarbon concentrations measured during this investigation were below RWQCB environmental screening levels for unrestricted residential development, commercial land uses, and construction worker exposure. In our opinion, the low levels of oil measured in soil during this investigation do not represent a significant environmental concern.

Metals were measured in the subsurface soil beneath the parking lot on the western portion of the Site at concentrations generally representative of naturally occurring background levels. Slightly elevated levels of lead were measured in the shallow fill soil in the garden area. Four samples collected within 3 feet of the ground surface in the garden area contained lead at 32, 47, 52, and 95 mg/kg. The overall average of these results is 56.5 mg/kg, and the initial composite sample Comp1 formed from these samples contained lead at 50 mg/kg. The 95 mg/kg of lead reported in one of the samples from the garden exceeds the CHHSL for lead in residential land use of 80 mg/kg. However, as the overall average of soil in the garden is below the CHHSL, the slight exceedance in one sample from the garden does not appear to represent a significant concern.

In our opinion, testing performed during this investigation did not indicate the presence of conditions that would preclude redevelopment of the western portion of the Site. Based on the testing performed to date, it appears shallow soil at the Site could be excavated and removed from the Site without restriction. However, it should be noted that due to the presence of lead at a concentration of 50 mg/kg in the composite soil sample from the garden area, local landfills may request additional testing for soluble lead before accepting the soil for landfill disposal. The soil would likely require disposal at a Class II disposal facility as non-hazardous waste.



5.0 LIMITATIONS

The purpose of a soil and groundwater quality investigation is to reasonably characterize existing Site conditions based on the results of a limited target subsurface investigation. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the Site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all environmental conditions of interest at a given Site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

The presence of stockpiled debris materials, including a large roll of chain-link fencing, prevented the utility locator from scanning the ground in the northeastern corner of the Site and limited our ability to sample this portion of the property.

We are unable to report on or accurately predict events that may change the Site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Environmental conditions may exist at the Site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.



TABLES



TABLE 1
Soil Sample Analytical Results

Analyte	Units	Soil Sample ID (Boring Location and Sample Depth)											Regulator Standard			
		SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-3	SB-4	SB-4	SB-4	SS-Comp1	RWQCB ESL			TTLC
		1	3.0	1.0	3.0	1.0	3.0	6.0	1.0	3.0	3.0 D		Tier 1	Commercial/Industrial	Construction Worker	
TPH as Gasoline	mg/kg	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	0.2*	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	83	83	4,200	ne
TPH as Diesel	mg/kg	< 2	12*	< 2	<2	< 2	< 2	--	<2	< 2	< 2	<2	83	83	4,200	ne
TPH as Oil	mg/kg	5.6	24*	<4	<4	<4	< 4	--	5.2	<4	12	24	370	2,500	12,000	ne
Volatile Organic Compounds																
Benzene	µg/kg	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	<10	44	44	12,000	ne
Toluene	µg/kg	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	<10	2,900	2,900	650,000	ne
Ethylbenzene	µg/kg	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	<10	2,300	3,300	210,000	ne
Xylenes	µg/kg	<10	<10	<10	<10	<10	<10	--	<10	<10	<10	<10	2,300	2,300	420,000	ne
MTBE	µg/kg	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	<10	23	23	2,800,000	ne
Other VOCs	µg/kg	<10-50	<10-50	<10-50	<10-50	<10-50	<10-50	--	<10-50	<10-50	<10-50	<10-50	na	na	na	na
Organochlorine Pesticides																
DDT Compounds	µg/kg	--	--	--	--	--	--	--	--	--	--	<8.0	1,700	4,000	87,000	1,000
Chlordane	µg/kg	--	--	--	--	--	--	--	--	--	--	<80	440	1,700	210,000	2,500
Other Pesticides	µg/kg	--	--	--	--	--	--	--	--	--	--	<8.0	na	na	na	na
Polychlorinated Biphenyls																
All PCBs	mg/kg	--	--	--	--	--	--	--	--	--	--	<0.1 -0.2	0.22	0.74	6,700	50
Metals																
Antimony	mg/kg	< 5	< 5	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	6.30	40	310	500
Arsenic	mg/kg	4.4	3.1	8.0	5.3	3.8	5.2	--	5.7	2.4	4.0	4.7	0.39	1.6	15	500
Barium	mg/kg	120	220	240	210	210	190	--	160	150	190	270	750	1,500	2,600	10,000
Beryllium	mg/kg	< 2	< 2	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	4.0	8	98	75
Cadmium	mg/kg	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	1.7	7.4	39	100
Chromium	mg/kg	46	110	35	36	78	37	--	36	23	26	69	750	750	1,200,000	2,500
Cobalt	mg/kg	13	14	9.4	11	16	9.8	--	6.8	7	9.5	19	40	80	94	8,000
Copper	mg/kg	37	28	24	24	46	30	--	38	17	21	38	230	230	310,000	2,500
Lead	mg/kg	6.3	9.0	19	8	22	7.5	--	9.9	4.6	5.0	50**	80***	320***	750	1,000
Mercury	mg/kg	0.56	<0.1	0.12	< 0.1	0.18	0.12	--	0.2	<0.1	0.27	0.15	1.3	10	58	20
Molybdenum	mg/kg	< 5	< 5	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	40	40	3,900	3,500
Nickel	mg/kg	59	120	39	44	150	39	--	34	25	28	140	150	150	260	2,000
Selenium	mg/kg	< 5	< 5	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	10	10	3,900	100
Silver	mg/kg	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	20	40	3,900	500
Thallium	mg/kg	< 5	< 5	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	1	16	62	700
Vanadium	mg/kg	44	42	42	36	55	40	--	40	29	32	45	16	200	770	2,400
Zinc	mg/kg	47	39	45	40	57	43	--	55	26	27	100	600	600	230,000	5,000

NOTES

mg/kg: milligrams per kilogram (parts per million)

µg/kg: micrograms per kilogram (parts per billion)

--: Not tested

*: Not typical of gasoline/diesel/oil standard pattern

**: Samples subsequently analyzed individually: indicating 32, 47, 52, and 95 mg/kg of lead

<: Not detected above the indicated laboratory method reporting limit

ND: Not detected above the laboratory method reporting limit; limits vary by compound

ESL: Tier 1 - Environmental Screening Level for shallow soil = <10 feet deep in residential land use (RWQCB, 2008 Table A-1)

Commercial/Industrial - soil screening level for shallow soil = <10 feet deep in commercial/industrial land use (RWQCB, 2008 Table A-2)

Construction Worker - soil screening level for construction/trench worker exposure (RWQCB, 2008 Table K-3)

TTLC: Total Threshold Limit Concentration for defining a waste as a hazardous waste

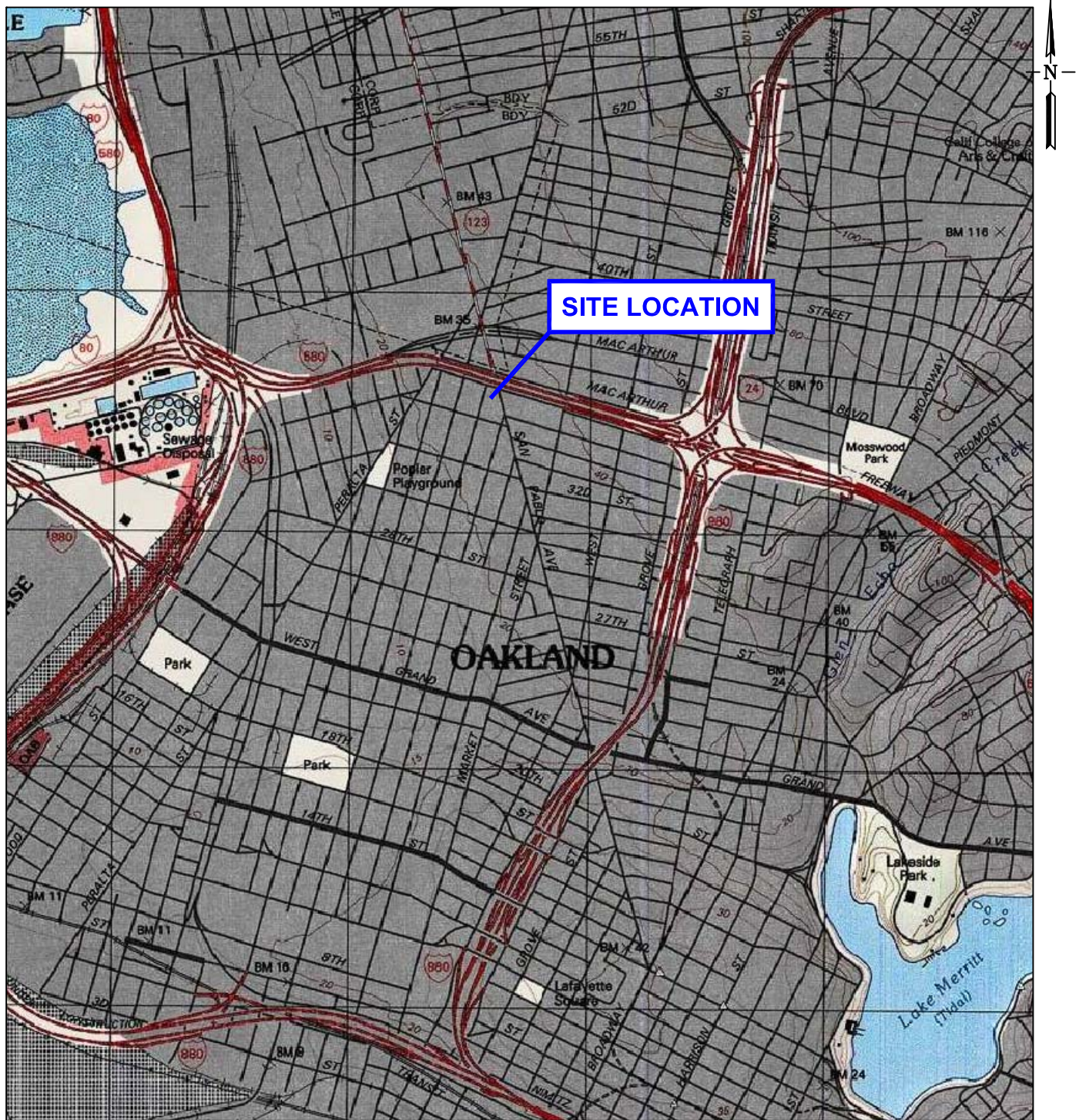
***: California Human Health Screening Level used for lead (DTSC, 2009)

ne: Not established

na: Not applicable

FIGURES





Scale 1:24,000

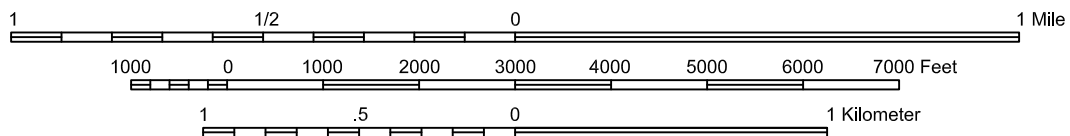


FIGURE 1
Site Location Map

Soil Quality Investigation,
California Hotel
3501 San Pablo Avenue
Oakland, California

Project No. 1204.14

Source: National Geographic USGS TOPO! 2000

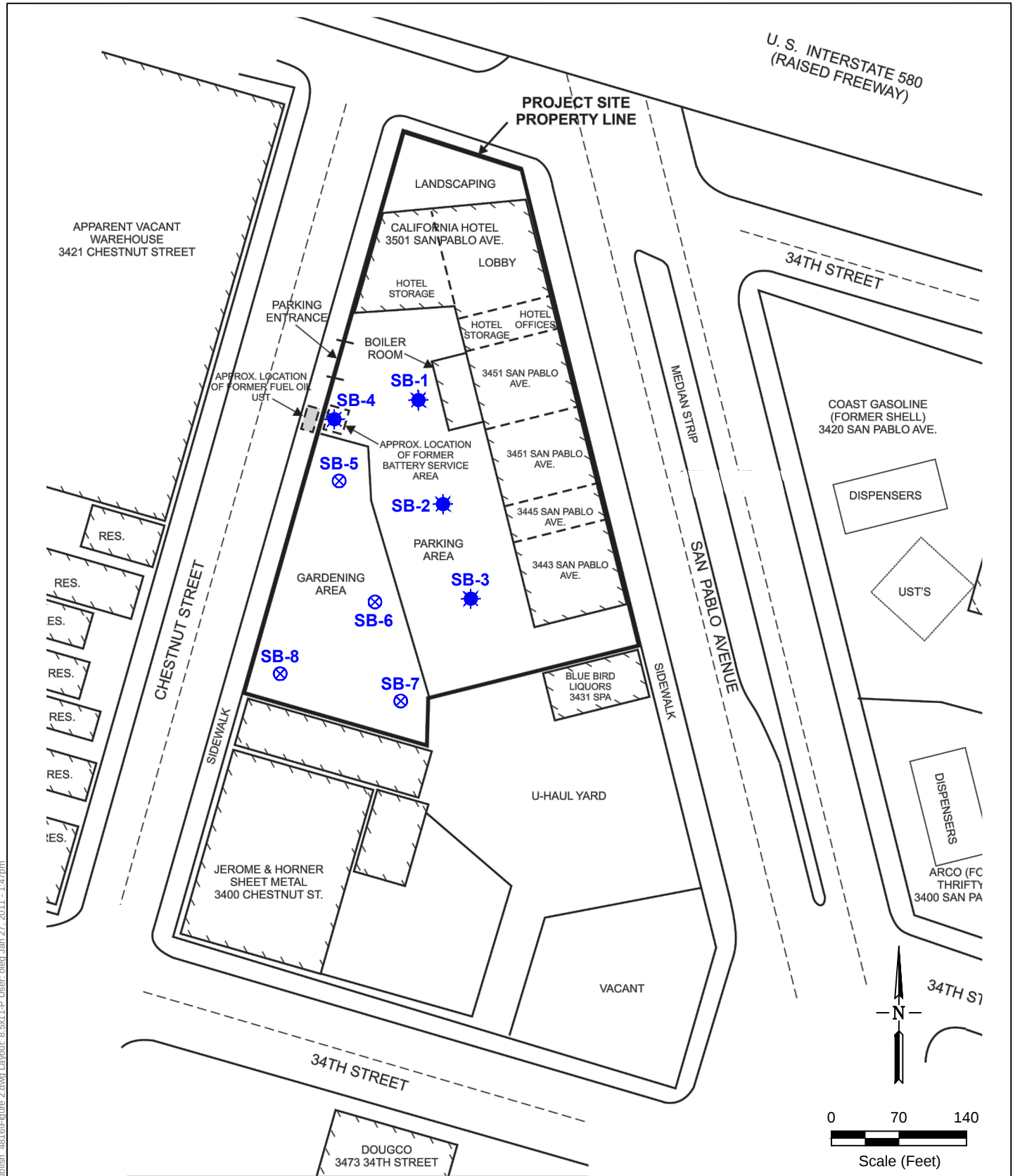


FIGURE 2
Site Plan

Soil Quality Investigation,
California Hotel
3501 San Pablo Avenue
Oakland, California

Project No. 1204.14

APPENDIX A BORING LOGS



Soil Boring & Classification Log

Sheet:

1 of 1

Project Name:

California Hotel

Project Number:

1204.14

Project Location:

3501 San Pablo Ave.,
Oakland, CA.

Boring Number:

SB-1

Drilling Method:

- ☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring:

3"

Inner Diameter of Well Casing:

NA

Drill Rig Type:

NA

Sampler Type:

Slide Hammer

Hammer Weight:

NA

Hammer Drop:

NA

Depth of Water (ft bgs):

NA

First:

NA

Static:

NA

Total Depth of Boring (ft bgs):

5.5' bgs.

Date & Time Started:

11/13/11 @ 1100

Date & Time Completed:

11/13/11 @ 1215

Logged By:

B. Mulholland

Checked By:

D. Ladozinsky

Drilling Contractor:

NA

Driller:

NA

Helper:

S. Brown, H. Bate

Surface Conditions:

Asphalt, Flat

Land Survey Elevation:

Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft/bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PID (ppm)	Well Const.	
	0.5					AC&AB			
	1					CLAY (CL), yellowish brown (10YR 5/6)			
	1.5				SB1 1.0'	clay, ~90% fines, ~10% fine sand, no odor or staining detected or observed.	0.0		
	2								
	3				SB1 3.0'		0.0		
	4					CLAY (CL), as above			
	5				SB1 5.0'		0.0		5
	6					Bottom of borehole @ 5.5' bgs.			
	7								
	8								
	9								
	10								10

Soil Boring & Classification Log

Sheet: 1 of 1

Project Name: California Hotel

Project Number: # 1204-14

Project Location: 3501 San Pablo Ave.,
Oakland, CA.

Boring Number: SB-2

Drilling Method:

☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger

☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring: 3"

Inner Diameter of Well Casing: NA

Drill Rig Type: NA

Sampler Type: Slide Hammer

Hammer Weight: NA

Hammer Drop: NA

Depth of Water (ft bgs): NA

First: NA

Static: NA

Total Depth of Boring (ft bgs): 5.5' bgs.

Date & Time Started: 11/13/12 10:15

Date & Time Completed: 11/13/12 10:15

Logged By: B. Mollanland

Checked By: D. Laderach

Drilling Contractor: NA

Driller: NA

Helper: S. Brown at Site

Surface Conditions: Asphalt, Flat

Land Survey Elevation: Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PID (ppm)	Well Const.	
	.5					<u>AC & AB</u>			
	1				<u>SB2 1.0'</u>	<u>CLAY (CL), greenish black (10% 2.5%), damp, ~95% fines, ~5% fine sand, no odor or staining detected or observed</u>	<u>0.0</u>		
	2								
	3				<u>SB2 3.0'</u>		<u>0.0</u>		
	4					<u>CLAY (CL), as above</u>			
	5				<u>SB2 5.0'</u>		<u>0.0</u>		5
	6					<u>Bottom of boring @ 5.5' bgs.</u>			
	7								
	8								
	9								
	10								10



environmental management, inc

Soil Boring & Classification Log

Sheet:

1 of 1

Project Name:

California Hotel

Project Number:

1207.14

Project Location:

3501 San Pablo Ave.,
Oakland, CA.

Boring Number:

SB-3

Drilling Method:

☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring:

3"

Inner Diameter of Well Casing:

NA

Drill Rig Type:

NA

Sampler Type:

Slide Hammer

Hammer Weight:

NA

Hammer Drop:

NA

Depth of Water (ft bgs):

NA

First:

NA

Static:

NA

Total Depth of Boring (ft bgs):

5.5' bgs.

Date & Time Started:

1/18/11 @ 0915

Date & Time Completed:

1/18/11 @ 1005

Logged By:

B. Mulholland

Checked By:

D. Landon

Drilling Contractor:

NA

Driller:

NA

Helper:

S. Brown

Surface Conditions:

Asphalt, Flat

Land Survey Elevation:

Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft/bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PID (ppm)	Well Const.	
	0.5					AC & AB			
	1				✓	CLAY (CL), greenish black (10% 2.5ϕ),	0.0		
	2				SB3 1.0	clay, ~95% fines, ~5% fine sand,	0.0		
	3				✓	no odor or staining detected or observed			
	4				SB3 3.0				
	5				✓	CLAY (CL), as above	0.0		
	6				SB3 5.0		0.0		5
	7					Bottom of borehole @ 5.5' bgs.			
	8								
	9								
	10								10

Soil Boring & Classification Log

Sheet: 1 of 1
Project Name: California Hotel
Project Number: # 1204-14
Project Location: 3501 San Pablo Ave.,
Oakland, CA

Boring Number: GB-4

Drilling Method:

- ☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring: 3"

Inner Diameter of Well Casing: NA

Drill Rig Type: NA

Sampler Type: Slide Hammer

Hammer Weight: NA

Hammer Drop: NA

Depth of Water (ft bgs): NA

First: NA

Static: NA

Total Depth of Boring (ft bgs): 6.5' bgs

Date & Time Started: 1/13/12 1245

Date & Time Completed: 1/13/12 1410

Logged By: B. Mulkolland

Checked By: D. Ladosvsky

Drilling Contractor: NA

Driller: NA

Helper: S. Brown

Surface Conditions: Asphalt, Flat

Land Survey Elevation: Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PID (ppm)	Well Const.	
	0.5'					AC & AB			
	1				✓	CLAY (CL), greenish black (10Y 7.5/2), damp, ~95% fines, ~5% fine sand, no odor or staining detected or observed.	0.0		
	2				SB4 1.0'				
	3				✓	CLAY (CL), as above	0.0		
	4				SB4 3.0'				
	5				✓		0.0		5
	6				SB4 5.0'	Bottom of boring @ 5.5' bgs.			
	7								
	8								
	9								
	10								10

Soil Boring & Classification Log

Sheet: 1 of 1
Project Name: California Hotel
Project Number: # 1204.14
Project Location: 3501 San Pablo Ave.,
Oakland, CA.

Boring Number: SB-5
Drilling Method:
☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other
Outer Diameter of Boring: 3" Inner Diameter of Well Casing: NA
Drill Rig Type: NA Sampler Type: Slide Hammer
Hammer Weight: NA Hammer Drop: NA
Depth of Water (ft bgs): NA First: NA Static: NA
Total Depth of Boring (ft bgs): 2.0'

Date & Time Started: 1/13/12 1405
Date & Time Completed: 1/13/12 1415
Logged By: B. Mulkolland
Checked By: D. Laderusley
Drilling Contractor: NA
Driller: NA
Helper: S. Brown, H. Blake
Surface Conditions: Garden Area
Land Survey Elevation: Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft/bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PID (ppm)	Well Const.	
	1	Hand Auger				Organic soil, (OL), black, damp to moist, no odor or staining detected or observed [garden soil]	0.0		
	2				SB-5 1.5'	Bottom of boring @ 2.0' bgs.	0.0		
	3								
	4								
	5								5
	6								
	7								
	8								
	9								
	10								10



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Soil Boring & Classification Log

Sheet:

1 of 1

Project Name:

California Hotel

Project Number:

1204-14

Project Location:

3501 San Pablo Ave.,
Oakland, CA.

Boring Number:

SB-6

Drilling Method:

- ☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring:

3"

Inner Diameter of Well Casing:

NA

Drill Rig Type:

NA

Sampler Type:

Slide Hammer

Hammer Weight:

NA

Hammer Drop:

NA

Depth of Water (ft bgs):

NA

First:

NA

Static:

NA

Total Depth of Boring (ft bgs):

3.5' bgs.

Date & Time Started:

1/13/11 1415

Date & Time Completed:

1/13/11 1420

Logged By:

B. Mulholland

Checked By:

D. Landon

Drilling Contractor:

NA

Driller:

NA

Helper:

S. Brown, H. Blais

Surface Conditions:

Garden Area

Land Survey Elevation:

Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft/bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PID (ppm)	Well Const.	
1	1	Hand Auger				ORGANIC SOIL (OL), black, clay to moist, no odor or staining detected or observed. [garden soil]	0.0		
2	2	Hand Auger							
3	3	Hand Auger					0.0		
4	4				SB-6 3.0'	Bottom of boring at 3.5' bgs.			
5	5								5
6	6								
7	7								
8	8								
9	9								
10	10								10

Soil Boring & Classification Log

Sheet: 1 of 1

Project Name: California Hotel

Project Number: # 1204.14

Project Location: 3501 San Pablo Ave.,
Oakland, CA.

Boring Number: SB-7

Drilling Method:

- ☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring: 3"

Inner Diameter of Well Casing: NA

Drill Rig Type: NA

Sampler Type: Slide Hammer

Hammer Weight: NA

Hammer Drop: NA

Depth of Water (ft bgs): NA

First: NA

Static: NA

Total Depth of Boring (ft bgs): 2.0' bgs.

Date & Time Started: 1/13/12 1420

Date & Time Completed: 1/13/12 1430

Logged By: B. Mulholland

Checked By: D. Ladozinsky

Drilling Contractor: NA

Driller: NA

Helper: S. Brown, H. Blake

Surface Conditions: Garden Area

Land Survey Elevation: Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft/bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation	PIID (ppm)	Well Const.	
	1	Hand Auger				ORGANIC SOIL (OL), black, damp to moist, no odor or staining detected or observed [garden soil]	0.0		
	2				SB-7, 1.5'	Bottom of boring 2.0' bgs.	0.0		
	3								
	4								
	5								5
	6								
	7								
	8								
	9								
	10								10



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Soil Boring & Classification Log

Sheet:

1 of 1

Project Name:

California Hotel

Project Number:

1204.14

Project Location:

3501 San Pablo Ave.
Oakland, CA.

Boring Number:

SB-8

Drilling Method:

- ☐ Sonic ☐ Direct Push ☐ Mud Rotary ☐ Hollow Stem Auger
☐ Vacuum ☒ Hand Auger ☐ Air Rotary ☐ Other

Outer Diameter of Boring:

3"

Inner Diameter of Well Casing:

NA

Drill Rig Type:

NA

Sampler Type:

Slide Hammer

Hammer Weight:

NA

Hammer Drop:

NA

Depth of Water (ft bgs):

NA

First:

NA

Static:

NA

Total Depth of Boring (ft bgs):

3.5' bgs.

Date & Time Started:

1/13/11 1430

Date & Time Completed:

1/13/11 1450

Logged By:

B. Mullenland

Checked By:

D. Laderach

Drilling Contractor:

NA

Driller:

NA

Helper:

S. Brown, H. Stale

Surface Conditions:

Garden Area

Land Survey Elevation:

Not Surveyed

Location Sketch and or Comments:

See site figure

Time	Depth (ft bgs)	Drive Interval	Recovered Interval	Blow Count (per 6")	Sample ID	Material Description	PID (ppm)	Well Const.	
						Name (USCS Symbol), color, moisture, % estimate of grain sizes present, consistency, odor detected, visible staining, geologic interpretation			
	1	Hand Auger				ORGANIC SOIL (OL), black, damp to moist, no odor or staining detected or observed [garden soil]	0.0		
	2						0.0		
	3						0.0		
	4				688 3.0'	Bottom of boring @ 3.5' bgs.			
	5								5
	6								
	7								
	8								
	9								
	10								10

APPENDIX B
LABORATORY ANALYTICAL REPORTS





Northgate Environmental Management Inc.
300 Frank H. Ogawa Plaza, Suite 510
Oakland, California 94612
Tel: 5108390688
Fax: (510) 839-4350
Email: dennis.laduzinsky@ngem.com
RE: CA Hotel Quality Soil Investigation

Work Order No.: 1101058 Rev: 2

Dear Dennis Laduzinsky:

Torrent Laboratory, Inc. received 17 sample(s) on January 13, 2011 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

N. S. Kabir

Nutan Kabir

January 24, 2011

Date



ate 1/24/2011

lient Northgate Environmental Management Inc.

Project CA Hotel Quality Soil Investigation

or number 1101058

SE RR IE

Analytical Comments for method S_6010B, Note:

1101058-001AMS/MSD, QC Analytical Batch ID 403561: The % recoveries for Chromium, Copper, and Nickel in the MS and Chromoim, Copper, Nickel and Lead in the MSD are outside of laboratory control limits but are within % RPD limits. The associated LCS/LCSD % recoveries and % RPD are within limits. A Post Digestion Spike (PDS) was analyzed and yielded recoveries within control limits indicating the heterogeneous nature of the sample. No corrective action required.

Note: For 1101058-001A and 1101058-005A, QC Batch ID 403561 and 403562: The spikes in the MS/MSD for Barium are not recoverable. The sample concentration is greater than 4X the spike concentration. No corrective action is required.

Per Client request samples 003A analyzed for TPHg and samples 13,14,15,16 analyzed for total Pb on 1 day tat.

Rev 1 01/24/11

Per Client request sample 017A analyzed for Total Pb.

Rev2 01/26/11



Sample Result Summary

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

SB3-1

1101058-001

Parameter	Analysis Method	F	ppm	Ppm	Result	Unit
Arsenic	SW6010B	1	0.28	1.7	3.8	mg/Kg
Barium	SW6010B	1	1	5.0	210	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	78	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	16	mg/Kg
Copper	SW6010B	1	0.0900	5.0	46	mg/Kg
Lead	SW6010B	1	0.13	1.0	22	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	150	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	55	mg/Kg
Zinc	SW6010B	1	0.59	5.0	57	mg/Kg

SB3-3

1101058-002

Parameter	Analysis Method	F	ppm	Ppm	Result	Unit
TPH(Gasoline)	8260TPH	1	17	100	200	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	5.2	mg/Kg
Barium	SW6010B	1	1	5.0	190	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	37	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	9.8	mg/Kg
Copper	SW6010B	1	0.0900	5.0	30	mg/Kg
Lead	SW6010B	1	0.13	1.0	7.5	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	39	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	40	mg/Kg
Zinc	SW6010B	1	0.59	5.0	43	mg/Kg
Mercury	SW7471A	1	0.01	0.10	0.12	mg/Kg



Sample Result Summary

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

SB3-5

1101058-003

Parameter

Analysis
Method

Frequency

Concentration

Pass/Fail

Result

Unit

All concentrations are non-detectable for this sample

SB2-1

1101058-004

Parameter

Analysis
Method

Frequency

Concentration

Pass/Fail

Result

Unit

Arsenic	SW6010B	1	0.28	1.7	8.0	mg/Kg
Barium	SW6010B	1	1	5.0	240	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	9.4	mg/Kg
Copper	SW6010B	1	0.0900	5.0	24	mg/Kg
Lead	SW6010B	1	0.13	1.0	19	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	39	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	42	mg/Kg
Zinc	SW6010B	1	0.59	5.0	45	mg/Kg
Mercury	SW7471A	1	0.01	0.10	0.12	mg/Kg

SB2-3

1101058-005

Parameter

Analysis
Method

Frequency

Concentration

Pass/Fail

Result

Unit

Arsenic	SW6010B	1	0.28	1.7	5.3	mg/Kg
Barium	SW6010B	1	1	5.0	210	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	36	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	11	mg/Kg
Copper	SW6010B	1	0.0900	5.0	24	mg/Kg
Lead	SW6010B	1	0.13	1.0	8.0	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	44	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	36	mg/Kg
Zinc	SW6010B	1	0.59	5.0	40	mg/Kg



Sample Result Summary

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

SB1-1

1101058-007

Parameter	Anal. Method	F	Conc	P	Result	Unit
TPH as Motor Oil	SW8015B(M)	1	1.65	4.0	5.6	mg/Kg
Arsenic	SW6010B	1	0.28	1.7	4.4	mg/Kg
Barium	SW6010B	1	1	5.0	120	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	46	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	13	mg/Kg
Copper	SW6010B	1	0.0900	5.0	37	mg/Kg
Lead	SW6010B	1	0.13	1.0	6.3	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	59	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	44	mg/Kg
Zinc	SW6010B	1	0.59	5.0	47	mg/Kg
Mercury	SW7471A	1	0.01	0.10	0.56	mg/Kg

SB1-3

1101058-008

Parameter	Anal. Method	F	Conc	P	Result	Unit
TPH as Diesel	SW8015B(M)	1	0.759	2.0	12	mg/Kg
TPH as Motor Oil	SW8015B(M)	1	1.65	4.0	24	mg/Kg
Arsenic	SW6010B	1	0.28	1.7	3.1	mg/Kg
Barium	SW6010B	1	1	5.0	220	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	110	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	14	mg/Kg
Copper	SW6010B	1	0.0900	5.0	28	mg/Kg
Lead	SW6010B	1	0.13	1.0	9.0	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	120	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	42	mg/Kg
Zinc	SW6010B	1	0.59	5.0	39	mg/Kg



Sample Result Summary

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

SB4-1

1101058-010

Parameter	Analysis Method	F	Conc	P	Result	Unit
TPH as Motor Oil	SW8015B(M)	1	1.65	4.0	5.2	mg/Kg
Arsenic	SW6010B	1	0.28	1.7	5.7	mg/Kg
Barium	SW6010B	1	1	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	36	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	6.8	mg/Kg
Copper	SW6010B	1	0.0900	5.0	38	mg/Kg
Lead	SW6010B	1	0.13	1.0	9.9	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	34	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	40	mg/Kg
Zinc	SW6010B	1	0.59	5.0	55	mg/Kg
Mercury	SW7471A	1	0.01	0.10	0.20	mg/Kg

SB4-3

1101058-011

Parameter	Analysis Method	F	Conc	P	Result	Unit
Arsenic	SW6010B	1	0.28	1.7	2.4	mg/Kg
Barium	SW6010B	1	1	5.0	150	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	23	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	7.0	mg/Kg
Copper	SW6010B	1	0.0900	5.0	17	mg/Kg
Lead	SW6010B	1	0.13	1.0	4.6	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	25	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	29	mg/Kg
Zinc	SW6010B	1	0.59	5.0	26	mg/Kg



Sample Recept S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

SB4-3

1101058-012

Parameter	Anal Method	F		P	Result	Unit
TPH as Motor Oil	SW8015B(M)	1	1.65	4.0	12	mg/Kg
Arsenic	SW6010B	1	0.28	1.7	4.0	mg/Kg
Barium	SW6010B	1	1	5.0	190	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	26	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	9.5	mg/Kg
Copper	SW6010B	1	0.0900	5.0	21	mg/Kg
Lead	SW6010B	1	0.13	1.0	5.0	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	28	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	32	mg/Kg
Zinc	SW6010B	1	0.59	5.0	27	mg/Kg
Mercury	SW7471A	1	0.01	0.10	0.27	mg/Kg

SB4-5

1101058-013

Parameter	Anal Method	F		P	Result	Unit
Lead	SW6010B	1	0.13	1.0	5.5	mg/Kg

SB5-15

1101058-014

Parameter	Anal Method	F		P	Result	Unit
Lead	SW6010B	1	0.13	1.0	47	mg/Kg

SB6-3

1101058-015

Parameter	Anal Method	F		P	Result	Unit
Lead	SW6010B	1	0.13	1.0	32	mg/Kg

SB7-15

1101058-016

Parameter	Anal Method	F		P	Result	Unit
Lead	SW6010B	1	0.13	1.0	95	mg/Kg



Sample Result Summary

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

SB8-3

1101058-017

Parameter	Analysis Method	F	Conc	P	Result	Unit
Lead	SW6010B	1	0.13	1.0	52	mg/Kg

Soil-1

1101058-018

Parameter	Analysis Method	F	Conc	P	Result	Unit
Arsenic	SW6010B	1	0.28	1.7	4.7	mg/Kg
Barium	SW6010B	1	1	5.0	270	mg/Kg
Chromium	SW6010B	1	0.0590	5.0	69	mg/Kg
Cobalt	SW6010B	1	0.14	5.0	19	mg/Kg
Copper	SW6010B	1	0.0900	5.0	38	mg/Kg
Lead	SW6010B	1	0.13	1.0	50	mg/Kg
Nickel	SW6010B	1	0.0590	5.0	140	mg/Kg
Vanadium	SW6010B	1	0.12	5.0	45	mg/Kg
Zinc	SW6010B	1	0.59	5.0	100	mg/Kg

TPH as Motor Oil	SW8015B(M)	1	1.65	4.0	24	mg/Kg
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Mercury	SW7471A	1	0.01	0.10	0.15	mg/Kg
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SPE RESU

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB3-1.0'	Lab Sample ID	1101058-001A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date/time	01/13/11 / 9:30		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Test Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403561	1857
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	3.8		mg/Kg	403561	1857
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	210		mg/Kg	403561	1857
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403561	1857
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403561	1857
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	78		mg/Kg	403561	1857
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	16		mg/Kg	403561	1857
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	46		mg/Kg	403561	1857
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	22		mg/Kg	403561	1857
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403561	1857
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	150		mg/Kg	403561	1857
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403561	1857
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403561	1857
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403561	1857
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	55		mg/Kg	403561	1857
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	57		mg/Kg	403561	1857

Parameter	Sample ID	Prep Date	Test Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	ND		mg/Kg	403558	1865



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB3-1.0'	Lab Sample ID	1101058-001A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 9:30		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB3-1.0'	Lab Sample ID	1101058-001A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 9:30		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Quality	Unit	Final Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	119		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	93.9		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	110		%	403560	NA



S O I L P E R E S U L T S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB3-1.0'	Lab Sample ID	1101058-001A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date/Time	01/13/11 / 9:30		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Anal/Method	Prep Date	Lab Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal/Initial Batch	Prep Batch
TPH (Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	60.2		%	403560	1867

Parameter	Anal/Method	Prep Date	Lab Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal/Initial Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	ND		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	97.1		mg/Kg	403610	1877



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB3-3.0'	Lab Sample ID	1101058-002A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 9:40		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403561	1857
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	5.2		mg/Kg	403561	1857
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	190		mg/Kg	403561	1857
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403561	1857
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403561	1857
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	37		mg/Kg	403561	1857
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	9.8		mg/Kg	403561	1857
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	30		mg/Kg	403561	1857
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	7.5		mg/Kg	403561	1857
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403561	1857
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	39		mg/Kg	403561	1857
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403561	1857
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403561	1857
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403561	1857
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	40		mg/Kg	403561	1857
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	43		mg/Kg	403561	1857

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	0.12		mg/Kg	403558	1865



S O P E R E S U L T S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB3-3.0'	Lab Sample ID	1101058-002A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 9:40		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB3-3.0'	Lab Sample ID	1101058-002A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 9:40		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Statistical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	122		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	95.9		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	117		%	403560	NA



S O I L P E R S U E R E S U L T S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reported 01/24/11

Client Sample ID	SB3-3.0'	Lab Sample ID	1101058-002A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 9:40		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analyst Method	Prep Date	State Analyst	F	Conc	Ppm	Result	Qualifier	Unit	Final Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	200	x	ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	59.6		%	403560	1867

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.

Parameter	Analyst Method	Prep Date	State Analyst	F	Conc	Ppm	Result	Qualifier	Unit	Final Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	ND		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	69.9		mg/Kg	403610	1877



SOIL P-E RESULTS

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB3-5.0'	Lab Sample ID	1101058-003A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 10:00		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analyst	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Analyst Initial	Prep Batch
TPH(Gasoline)	8260TPH	1/21/11	01/21/11	1	17	100	ND		ug/Kg	403638	1904
(S) 4-Bromofluorobenzene	8260TPH	1/21/11	01/21/11	1	43.9	127	57.0		%	403638	1904



SPE RESU

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB2-1.0'	Lab Sample ID	1101058-004A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date	01/13/11 / 10:25		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Test Date	F	Conc	P	Result	Qualifier	Unit	Anal Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403561	1857
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	8.0		mg/Kg	403561	1857
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	240		mg/Kg	403561	1857
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403561	1857
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403561	1857
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	35		mg/Kg	403561	1857
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	9.4		mg/Kg	403561	1857
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	24		mg/Kg	403561	1857
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	19		mg/Kg	403561	1857
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403561	1857
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	39		mg/Kg	403561	1857
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403561	1857
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403561	1857
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403561	1857
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	42		mg/Kg	403561	1857
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	45		mg/Kg	403561	1857

Parameter	Sample ID	Prep Date	Test Date	F	Conc	P	Result	Qualifier	Unit	Anal Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	0.12		mg/Kg	403558	1865



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB2-1.0'	Lab Sample ID	1101058-004A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 10:25		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB2-1.0'	Lab Sample ID	1101058-004A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 10:25		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Quality	Unit	Statistical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	120		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	91.9		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	115		%	403560	NA



S O I L P E R S U E S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB2-1.0'	Lab Sample ID	1101058-004A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 10:25		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Anal/Method	Prep Date	Lab Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal/Initial Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	59.3		%	403560	1867

Parameter	Anal/Method	Prep Date	Lab Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal/Initial Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	ND		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	97.0		mg/Kg	403610	1877



S O P E RESU S

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB2-3.0'	Lab Sample ID	1101058-005A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample collection date	01/13/11 / 10:35		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Test Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	5.3		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	210		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	36		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	11		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	24		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	8.0		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	44		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	36		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	40		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	Test Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	ND		mg/Kg	403558	1865



S O P E R E S U L T S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB2-3.0'	Lab Sample ID	1101058-005A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 10:35		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB2-3.0'	Lab Sample ID	1101058-005A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 10:35		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Pre State	State Sample ID	F	Conc	P	Reconc	Qualifier	Unit	Final Batch	Pre Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	125		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	94.1		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	125		%	403560	NA



S O I L P E R S U E S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB2-3.0'	Lab Sample ID	1101058-005A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 10:35		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH (Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	53.7		%	403560	1867

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	ND		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	94.7		mg/Kg	403610	1877



SPP E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB1-1.0'	Lab Sample ID	1101058-007A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 11:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	4.4		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	120		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	46		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	13		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	37		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	6.3		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	59		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	44		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	47		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	0.56		mg/Kg	403558	1865



S O P E R E S U L T S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB1-1.0'	Lab Sample ID	1101058-007A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 11:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Initial Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB1-1.0'	Lab Sample ID	1101058-007A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 11:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Statistical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	118		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	88.7		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	104		%	403560	NA



S O I L P R O F I L E R E S U L T S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB1-1.0'	Lab Sample ID	1101058-007A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 11:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH (Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	63.5		%	403560	1867

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	5.6		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	93.1		mg/Kg	403610	1877



SPE RESU

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB1-3.0'	Lab Sample ID	1101058-008A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date	01/13/11 / 11:45		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	Ppm	Result	Qualifier	Unit	Final Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	3.1		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	220		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	110		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	14		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	28		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	9.0		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	120		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	42		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	39		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	Ppm	Result	Qualifier	Unit	Final Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	ND		mg/Kg	403558	1865



S O P E R E S U L T S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB1-3.0'	Lab Sample ID	1101058-008A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 11:45		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB1-3.0'	Lab Sample ID	1101058-008A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date	01/13/11 / 11:45		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep	Date	F	Conc	P	Reult	Qualifier	Unit	Conc	Prep
	Method	Date	Sample							Batch	Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	131		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	90.6		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	125		%	403560	NA



S O I L P E R S U E S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB1-3.0'	Lab Sample ID	1101058-008A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 11:45		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
TPH (Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	55.6		%	403560	1867

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	12	x	mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	24	x	mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	89.2		mg/Kg	403610	1877

Notes: x-Not typical of Diesel or Motor Oil standard pattern (unknown discrete hydrocarbon peaks present).



S O P E RESU S

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB4-1.0'	Lab Sample ID	1101058-010A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date	01/13/11 / 12:55		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	5.7		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	160		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	36		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	6.8		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	38		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	9.9		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	34		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	40		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	55		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	0.20		mg/Kg	403558	1865



S O P E R E S U L T S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB4-1.0'	Sample ID	1101058-010A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 12:55		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB4-1.0'	Lab Sample ID	1101058-010A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Report date	01/13/11 / 12:55		
Lab name	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep	Report	F	Conc	P	Result	Qualifier	Unit	Conc	Prep
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	129		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	94.3		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	127		%	403560	NA



S O I L P E R S U E S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB4-1.0'	Lab Sample ID	1101058-010A
Project Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 12:55		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	42.7	S	%	403560	1867

NOTE: S - Low surrogate recovery; analyzed twice.

Parameter	Analysis Method	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	5.2		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	93.8		mg/Kg	403610	1877



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB4-3.0'	Sample ID	1101058-011A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 13:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	2.4		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	150		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	23		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	7.0		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	17		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	4.6		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	25		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	29		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	26		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	ND		mg/Kg	403559	1866



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB4-3.0'	Lab Sample ID	1101058-011A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 13:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB4-3.0'	Lab Sample ID	1101058-011A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 13:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Quality	Unit	Statistical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	120		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	88.2		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	110		%	403560	NA



S O I L P E R S U E S

Report prepared for

Dennis Laduzinsky

Northgate Environmental Management Inc.

Date Received 01/13/11

Date Reported 01/24/11

Client Sample ID	SB4-3.0'	Lab Sample ID	1101058-011A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 13:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH (Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	64.7		%	403560	1867

Parameter	Analysis Method	Prep Date	Sample Name	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	ND		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	97.8		mg/Kg	403610	1877



S P E R E S U S

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB4-3.0' D	Lab Sample ID	1101058-012A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date	01/13/11 / 13:30		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	4.0		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	190		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	26		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	9.5		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	21		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	5.0		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	28		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	32		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	27		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Final Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	0.27		mg/Kg	403559	1866



S O P E R E S U L T S

Report prepared for

Dennis Laduzinsky

Report received 01/13/11

Northgate Environmental Management Inc.

Report date 01/24/11

Client Sample ID	SB4-3.0' D	Lab Sample ID	1101058-012A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Sample date	01/13/11 / 13:30		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Initial Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	SB4-3.0' D	Lab Sample ID	1101058-012A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 / 13:30		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Reult	Qualifier	Unit	Statistical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	121		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	90.2		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	119		%	403560	NA



S O I L P R O F I L E R E S U L T S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB4-3.0' D	Lab Sample ID	1101058-012A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date/Time	01/13/11 / 13:30		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analyst Method	Prep Date	Lab Analysis	F	Conc	Ppm	Result	Qualifier	Unit	Analyst Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	59.3		%	403560	1867

Parameter	Analyst Method	Prep Date	Lab Analysis	F	Conc	Ppm	Result	Qualifier	Unit	Analyst Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	12		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	96.5		mg/Kg	403610	1877



SOIL P-E RESULTS

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB4-5.0'	Lab Sample ID	1101058-013A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Date/Time of Sample	01/13/11 / 13:50		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analyst Method	Prep Date	Date Received	F	Conc	Ppm	Result	Cal Qualifier	Unit	Analtical Batch	Prep Batch
Lead	SW6010B	1/21/11	01/24/11	1	0.13	1.0	5.5		mg/Kg	403642	1905



SOIL P-E RESULTS

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB5-1.5'	Lab Sample ID	1101058-014A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Date of Sample	01/13/11 / 14:10		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Date Analyzed	F	Conc	Ppm	Result	Qualifier	Unit	Analtical Batch	Prep Batch
Lead	SW6010B	1/21/11	01/24/11	1	0.13	1.0	47		mg/Kg	403642	1905



S O P E RESU S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB6-3.0'	Lab Sample ID	1101058-015A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date/Time	01/13/11 / 14:20		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analyst Method	Prep Date	Date Received	F	Conc	Ppm	Result	Qualifier	Unit	Analyst Batch	Prep Batch
Lead	SW6010B	1/21/11	01/24/11	1	0.13	1.0	32		mg/Kg	403642	1905



SOIL P-E RESULTS

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB7-1.5'	Lab Sample ID	1101058-016A
Project Name/Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date/Time	01/13/11 / 14:25		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analyst Method	Prep Date	Date Received	F	Conc	Ppm	Result	Cal Coefficient	Unit	Analyst Batch	Prep Batch
Lead	SW6010B	1/21/11	01/24/11	1	0.13	1.0	95		mg/Kg	403642	1905



S O P E RESU S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	SB8-3.0'	Lab Sample ID	1101058-017A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 / 14:35		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Date	F	Conc	P	Result	Qualifier	Unit	Analtical Batch	Prep Batch
Lead	SW6010B	1/26/11	01/26/11	1	0.13	1.0	52		mg/Kg	403673	1922



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	Comp-1	Lab Sample ID	1101058-018A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 /		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Antimony	SW6010B	1/17/11	01/17/11	1	0.20	5.0	ND		mg/Kg	403562	1858
Arsenic	SW6010B	1/17/11	01/17/11	1	0.28	1.7	4.7		mg/Kg	403562	1858
Barium	SW6010B	1/17/11	01/17/11	1	1	5.0	270		mg/Kg	403562	1858
Beryllium	SW6010B	1/17/11	01/17/11	1	0.0840	2.0	ND		mg/Kg	403562	1858
Cadmium	SW6010B	1/17/11	01/17/11	1	0.0590	1.0	ND		mg/Kg	403562	1858
Chromium	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	69		mg/Kg	403562	1858
Cobalt	SW6010B	1/17/11	01/17/11	1	0.14	5.0	19		mg/Kg	403562	1858
Copper	SW6010B	1/17/11	01/17/11	1	0.0900	5.0	38		mg/Kg	403562	1858
Lead	SW6010B	1/17/11	01/17/11	1	0.13	1.0	50		mg/Kg	403562	1858
Molybdenum	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	ND		mg/Kg	403562	1858
Nickel	SW6010B	1/17/11	01/17/11	1	0.0590	5.0	140		mg/Kg	403562	1858
Selenium	SW6010B	1/17/11	01/17/11	1	0.29	5.0	ND		mg/Kg	403562	1858
Silver	SW6010B	1/17/11	01/17/11	1	1.0	1.0	ND		mg/Kg	403562	1858
Thallium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	ND		mg/Kg	403562	1858
Vanadium	SW6010B	1/17/11	01/17/11	1	0.12	5.0	45		mg/Kg	403562	1858
Zinc	SW6010B	1/17/11	01/17/11	1	0.59	5.0	100		mg/Kg	403562	1858

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
Mercury	SW7471A	1/17/11	01/18/11	1	0.01	0.10	0.15		mg/Kg	403559	1866



SOIL PEST RESULTS

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	Comp-1	Lab Sample ID	1101058-018A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Statewide Sample ID	01/13/11 /		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Result	Qualifier	Unit	Statistical Batch	Prep Batch
alpha-BHC	SW8081A	1/17/11	01/18/11	4	1.8	8.0	ND		ug/Kg	403590	1856
gamma-BHC	SW8081A	1/17/11	01/18/11	4	1.6	8.0	ND		ug/Kg	403590	1856
beta-BHC	SW8081A	1/17/11	01/18/11	4	1.5	8.0	ND		ug/Kg	403590	1856
delta-BHC	SW8081A	1/17/11	01/18/11	4	2.0	8.0	ND		ug/Kg	403590	1856
Heptachlor	SW8081A	1/17/11	01/18/11	4	4.4	8.0	ND		ug/Kg	403590	1856
Aldrin	SW8081A	1/17/11	01/18/11	4	1.8	8.0	ND		ug/Kg	403590	1856
Heptachlor epoxide	SW8081A	1/17/11	01/18/11	4	1.3	8.0	ND		ug/Kg	403590	1856
gamma-Chlordane	SW8081A	1/17/11	01/18/11	4	1.7	8.0	ND		ug/Kg	403590	1856
alpha-Chlordane	SW8081A	1/17/11	01/18/11	4	1.4	8.0	ND		ug/Kg	403590	1856
Endosulfan I	SW8081A	1/17/11	01/18/11	4	2.4	8.0	ND		ug/Kg	403590	1856
4,4'-DDE	SW8081A	1/17/11	01/18/11	4	1.9	8.0	ND		ug/Kg	403590	1856
Dieldrin	SW8081A	1/17/11	01/18/11	4	1.7	8.0	ND		ug/Kg	403590	1856
Endrin	SW8081A	1/17/11	01/18/11	4	2.3	8.0	ND		ug/Kg	403590	1856
4,4'-DDD	SW8081A	1/17/11	01/18/11	4	1.9	8.0	ND		ug/Kg	403590	1856
Endosulfan II	SW8081A	1/17/11	01/18/11	4	6.1	8.0	ND		ug/Kg	403590	1856
4,4'-DDT	SW8081A	1/17/11	01/18/11	4	3.2	8.0	ND		ug/Kg	403590	1856
Endrin aldehyde	SW8081A	1/17/11	01/18/11	4	4.1	8.0	ND		ug/Kg	403590	1856
Endosulfan sulfate	SW8081A	1/17/11	01/18/11	4	2.0	8.0	ND		ug/Kg	403590	1856
Methoxychlor	SW8081A	1/17/11	01/18/11	4	2.5	20	ND		ug/Kg	403590	1856
Endrin Ketone	SW8081A	1/17/11	01/18/11	4	1.6	8.0	ND		ug/Kg	403590	1856
Chlordane	SW8081A	1/17/11	01/18/11	4	40	80	ND		ug/Kg	403590	1856
Toxaphene	SW8081A	1/17/11	01/18/11	4	40	400	ND		ug/Kg	403590	1856
TCMX (S)	SW8081A	1/17/11	01/18/11	4	52.5	139	69.6		%	403590	1856
DCBP (S)	SW8081A	1/17/11	01/18/11	4	50.2	139	71.0		%	403590	1856

Reporting limits increased due to the nature of the sample matrix (dark color extract).



SOIL P-E RESULTS

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	Comp-1	Lab Sample ID	1101058-018A
Project Location	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 /		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	Sample Date	F	Conc	P	Recovery	Lab	Unit	Final Batch	Prep Batch
Aroclor1016	SW8082	1/13/11	01/14/11	1	0.0230	0.10	ND		mg/Kg	403553	1846
Aroclor1221	SW8082	1/13/11	01/14/11	1	0.0920	0.20	ND		mg/Kg	403553	1846
Aroclor1232	SW8082	1/13/11	01/14/11	1	0.0460	0.10	ND		mg/Kg	403553	1846
Aroclor1242	SW8082	1/13/11	01/14/11	1	0.0430	0.10	ND		mg/Kg	403553	1846
Aroclor1248	SW8082	1/13/11	01/14/11	1	0.0360	0.10	ND		mg/Kg	403553	1846
Aroclor1254	SW8082	1/13/11	01/14/11	1	0.0240	0.10	ND		mg/Kg	403553	1846
Aroclor1260	SW8082	1/13/11	01/14/11	1	0.0270	0.10	ND		mg/Kg	403553	1846
TCMX (S)	SW8082	1/13/11	01/14/11	1	50.4	136	89.0		%	403553	1846
DCBP (S)	SW8082	1/13/11	01/14/11	1	55.1	113	72.7		%	403553	1846



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	Comp-1	Lab Sample ID	1101058-018A
Project name/location	CA Hotel Quality Soil Investigation	Sample matrix	Soil
Project number	1204.14		
Statewide Sample ID	01/13/11 /		
Tag number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Qualifier	Unit	Final Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/14/11	1	4.4	10	ND		ug/Kg	403560	NA
Chloromethane	SW8260B	NA	01/14/11	1	4.6	10	ND		ug/Kg	403560	NA
Vinyl Chloride	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
Bromomethane	SW8260B	NA	01/14/11	1	4.7	10	ND		ug/Kg	403560	NA
Trichlorofluoromethane	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
1,1-Dichloroethene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
Freon 113	SW8260B	NA	01/14/11	1	3.7	10	ND		ug/Kg	403560	NA
Methylene Chloride	SW8260B	NA	01/14/11	1	2.0	10	ND		ug/Kg	403560	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
MTBE	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
tert-Butanol	SW8260B	NA	01/14/11	1	21	50	ND		ug/Kg	403560	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,1-Dichloroethane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
ETBE	SW8260B	NA	01/14/11	1	2.4	10	ND		ug/Kg	403560	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
2,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Bromochloromethane	SW8260B	NA	01/14/11	1	2.3	10	ND		ug/Kg	403560	NA
Chloroform	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
Carbon Tetrachloride	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
1,1,1-Trichloroethane	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Benzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
TAME	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
1,2-Dichloroethane	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Trichloroethylene	SW8260B	NA	01/14/11	1	3.9	10	ND		ug/Kg	403560	NA
Dibromomethane	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichloropropane	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
Bromodichloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/14/11	1	4.5	10	ND		ug/Kg	403560	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Toluene	SW8260B	NA	01/14/11	1	0.98	10	ND		ug/Kg	403560	NA
Tetrachloroethylene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2-Trichloroethane	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
Dibromochloromethane	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,3-Dichloropropane	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA



S O P E RESU S

Report prepared for

Dennis Laduzinsky

State Receiving 01/13/11

Northgate Environmental Management Inc.

State Reporting 01/24/11

Client Sample ID	Comp-1	Lab Sample ID	1101058-018A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Statewide Sample ID	01/13/11 /		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Sample ID	Prep Date	State Sample ID	F	Conc	P	Recovery	Quality	Unit	Statistical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/14/11	1	1.7	10	ND		ug/Kg	403560	NA
Ethyl Benzene	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
Chlorobenzene	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	0.86	10	ND		ug/Kg	403560	NA
m,p-Xylene	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
o-Xylene	SW8260B	NA	01/14/11	1	0.66	5.0	ND		ug/Kg	403560	NA
Styrene	SW8260B	NA	01/14/11	1	0.77	10	ND		ug/Kg	403560	NA
Bromoform	SW8260B	NA	01/14/11	1	1.9	10	ND		ug/Kg	403560	NA
Isopropyl Benzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
n-Propylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
Bromobenzene	SW8260B	NA	01/14/11	1	1.2	10	ND		ug/Kg	403560	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/14/11	1	3.0	10	ND		ug/Kg	403560	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
1,2,3-Trichloropropane	SW8260B	NA	01/14/11	1	3.3	10	ND		ug/Kg	403560	NA
4-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
2-Chlorotoluene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
tert-Butylbenzene	SW8260B	NA	01/14/11	1	1.4	10	ND		ug/Kg	403560	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/14/11	1	1.1	10	ND		ug/Kg	403560	NA
sec-Butyl Benzene	SW8260B	NA	01/14/11	1	1.6	10	ND		ug/Kg	403560	NA
p-Isopropyltoluene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
1,3-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.8	10	ND		ug/Kg	403560	NA
1,4-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.5	10	ND		ug/Kg	403560	NA
n-Butylbenzene	SW8260B	NA	01/14/11	1	2.2	10	ND		ug/Kg	403560	NA
1,2-Dichlorobenzene	SW8260B	NA	01/14/11	1	1.3	10	ND		ug/Kg	403560	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/14/11	1	4.2	10	ND		ug/Kg	403560	NA
Hexachlorobutadiene	SW8260B	NA	01/14/11	1	2.6	10	ND		ug/Kg	403560	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.1	10	ND		ug/Kg	403560	NA
Naphthalene	SW8260B	NA	01/14/11	1	2.8	10	ND		ug/Kg	403560	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/14/11	1	2.9	10	ND		ug/Kg	403560	NA
(S) Dibromofluoromethane	SW8260B	NA	01/14/11	1	59.8	148	118		%	403560	NA
(S) Toluene-d8	SW8260B	NA	01/14/11	1	55.2	133	93.3		%	403560	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/14/11	1	55.8	141	135		%	403560	NA



S O I L P E R S U E S

Report prepared for

Dennis Laduzinsky

Date Received 01/13/11

Northgate Environmental Management Inc.

Date Reported 01/24/11

Client Sample ID	Comp-1	Lab Sample ID	1101058-018A
Project Name	CA Hotel Quality Soil Investigation	Sample Matrix	Soil
Project Number	1204.14		
Sample Date	01/13/11 /		
Tag Number	CA Hotel Quality Soil Investigation		

Parameter	Analysis Method	Prep Date	Sample Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH (Gasoline)	8260TPH	1/14/11	01/14/11	1	17	100	ND		ug/Kg	403560	1867
(S) 4-Bromofluorobenzene	8260TPH	1/14/11	01/14/11	1	43.9	127	51.2		%	403560	1867

Parameter	Analysis Method	Prep Date	Sample Date	F	Conc	Ppm	Result	Qualifier	Unit	Anal. Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/19/11	01/19/11	1	0.759	2.0	ND		mg/Kg	403610	1877
TPH as Motor Oil	SW8015B(M)	1/19/11	01/19/11	1	1.65	4.0	24		mg/Kg	403610	1877
Pentacosane (S)	SW8015B(M)	1/19/11	01/19/11	1	59.7	129	92.0		mg/Kg	403610	1877



B S ar Report

or r	1101058	Pre etho	3545_PCB	Pre ate	01/13/11	Pre Bat h	1846
atri	Soil	nal ti al	SW8082	nal e ate	01/13/11	nal ti al	403539
Unit	mg/Kg	etho				Bat h	

Parameter		P	etho Blan on	a ali ier	
Aroclor1016	0.0230	0.10	ND		
Aroclor1221	0.0920	0.20	ND		
Aroclor1232	0.0460	0.10	ND		
Aroclor1242	0.0430	0.10	ND		
Aroclor1248	0.0360	0.10	ND		
Aroclor1254	0.0240	0.10	ND		
Aroclor1260	0.0270	0.10	ND		
TCMX (S)			96.8		
DCBP (S)			89.8		

or r	1101058	Pre etho	3545_PCB	Pre ate	01/13/11	Pre Bat h	1846
atri	Soil	nal ti al	SW8082	nal e ate	01/14/11	nal ti al	403553
Unit	mg/Kg	etho				Bat h	

Parameter		P	etho Blan on	a ali ier	
Aroclor1016	0.0230	0.10	ND		
Aroclor1221	0.0920	0.20	ND		
Aroclor1232	0.0460	0.10	ND		
Aroclor1242	0.0430	0.10	ND		
Aroclor1248	0.0360	0.10	ND		
Aroclor1254	0.0240	0.10	ND		
Aroclor1260	0.0270	0.10	ND		
TCMX (S)			98.9		
DCBP (S)			88.4		



B S ar Report

Order#	1101058	Pre#	etho#	3545_OCP	Pre#	ate#	01/17/11	Pre#	Bat#	1856
Matrix	Soil	analytical		SW8081A	analytical		01/18/11	analytical		403590
Unit	ug/Kg	etho#						Bat#		

Parameter		P	etho Blank con	Qualifier	
alpha-BHC	0.44	2.0	ND		
gamma-BHC	0.40	2.0	ND		
beta-BHC	0.36	2.0	ND		
delta-BHC	0.49	2.0	ND		
Heptachlor	1.1	2.0	ND		
Aldrin	0.44	2.0	ND		
Heptachlor epoxide	0.32	2.0	ND		
gamma-Chlordane	0.42	2.0	ND		
alpha-Chlordane	0.36	2.0	ND		
Endosulfan I	0.59	2.0	ND		
4,4'-DDE	0.48	2.0	ND		
Dieldrin	0.43	2.0	ND		
Endrin	0.57	2.0	ND		
4,4'-DDD	0.47	2.0	ND		
Endosulfan II	1.5	2.0	ND		
4,4'-DDT	0.81	2.0	ND		
Endrin aldehyde	1.0	2.0	ND		
Endosulfan sulfate	0.49	2.0	ND		
Methoxychlor	0.62	5.0	ND		
Endrin Ketone	0.40	2.0	ND		
Chlordane	10	20	ND		
Toxaphene	10	100	ND		
TCMX (S)			77.6		
DCBP (S)			77.1		



B S ar Report

or r	1101058	Pre etho	3050	Pre ate	01/17/11	Pre Bat h	1857
atri	Soil	nal tial	SW6010B	nal e ate	01/17/11	nal tial	403561
Unit	mg/Kg	etho				Bat h	

Parameter		P	etho Blan on	a alier	
Antimony	0.20	5.0	ND		
Arsenic	0.28	1.7	ND		
Barium	1	5.0	ND		
Beryllium	0.0840	2.0	ND		
Cadmium	0.059	1.0	ND		
Chromium	0.059	5.0	0.11		
Cobalt	0.14	5.0	ND		
Copper	0.090	5.0	0.23		
Lead	0.13	1.0	0.15		
Molybdenum	0.059	5.0	ND		
Nickel	0.059	5.0	0.13		
Selenium	0.29	5.0	ND		
Silver	1.0	1.0	ND		
Thallium	0.12	5.0	ND		
Vanadium	0.12	5.0	ND		
Zinc	0.59	5.0	ND		

or r	1101058	Pre etho	3050	Pre ate	01/17/11	Pre Bat h	1858
atri	Soil	nal tial	SW6010B	nal e ate	01/17/11	nal tial	403562
Unit	mg/Kg	etho				Bat h	

Parameter		P	etho Blan on	a alier	
Antimony	0.20	5.0	ND		
Arsenic	0.28	1.7	ND		
Barium	1	5.0	ND		
Beryllium	0.0840	2.0	ND		
Cadmium	0.059	1.0	ND		
Chromium	0.059	5.0	0.080		
Cobalt	0.14	5.0	ND		
Copper	0.090	5.0	0.49		
Lead	0.13	1.0	0.17		
Molybdenum	0.059	5.0	ND		
Nickel	0.059	5.0	ND		
Selenium	0.29	5.0	ND		
Silver	1.0	1.0	ND		
Thallium	0.12	5.0	ND		
Vanadium	0.12	5.0	ND		
Zinc	0.59	5.0	ND		



BS&arReport

or&r&r	1101058	Preðo	7471	Pre&ate	01/17/11	Pre&Bat&h	1865
atri	Soil	nal&tial	7471AB	nal&e&ate	01/18/11	nal&tial	403558
Unit	mg/Kg	etho				Bat&h	

Para&eter		P	etho Blan on	a alier	
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Mercury 0.01 0.10 0.0150

or&r&r	1101058	Preðo	7471	Pre&ate	01/17/11	Pre&Bat&h	1866
atri	Soil	nal&tial	7471AB	nal&e&ate	01/18/11	nal&tial	403559
Unit	mg/Kg	etho				Bat&h	

Para&eter		P	etho Blan on	a alier	
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Mercury 0.01 0.10 0.0133

or&r&r	1101058	Preðo	5035	Pre&ate	01/14/11	Pre&Bat&h	1867
atri	Soil	nal&tial	8260TPH	nal&e&ate	01/14/11	nal&tial	403560
Unit	ug/Kg	etho				Bat&h	

Para&eter		P	etho Blan on	a alier	
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TPH(Gasoline) 17 100 ND
(S) 4-Bromofluorobenzene 69.6

or&r&r	1101058	Preðo	3545_TPH	Pre&ate	01/19/11	Pre&Bat&h	1877
atri	Soil	nal&tial	SW8015B(M)	nal&e&ate	01/19/11	nal&tial	403610
Unit	mg/Kg	etho				Bat&h	

Para&eter		P	etho Blan on	a alier	
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TPH as Diesel 0.758 2.0 ND
TPH as Motor Oil 1.78 4.0 2.1
Pentacosane (S) 94.9



B S ar Report

or r	1101058	Pre etho	5035	Pre ate	01/21/11	Pre Bat h	1904
atri	Soil	nal tical	8260TPH	nal e ate	01/21/11	nal tical	403638
Unit	ug/Kg	etho				Bat h	

Parameter		P	etho Blan on	a alier	
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TPH(Gasoline) 17 100 ND
(S) 4-Bromofluorobenzene 60.3

or r	1101058	Pre etho	3050	Pre ate	01/21/11	Pre Bat h	1905
atri	Soil	nal tical	SW6010B	nal e ate	01/24/11	nal tical	403642
Unit	mg/Kg	etho				Bat h	

Parameter		P	etho Blan on	a alier	
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Lead 0.13 1.0 0.39

or r	1101058	Pre etho	3050	Pre ate	01/26/11	Pre Bat h	1922
atri	Soil	nal tical	SW6010B	nal e ate	01/26/11	nal tical	403673
Unit	mg/Kg	etho				Bat h	

Parameter		P	etho Blan on	a alier	
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Lead 0.13 1.0 ND



B S ar Report

or r er	1101058	Pre etho	NA	Pre ate	NA	Pre Bat h	NA
atri	Soil	nal ti al	SW8260B	nal e ate	01/14/11	nal ti al	403560
Unit	ug/Kg	etho				Bat h	

Para eter		P	etho Blan on	a al ier	
Dichlorodifluoromethane	4.4	10	ND		
Chloromethane	4.6	10	ND		
Vinyl Chloride	2.6	10	ND		
Bromomethane	4.7	10	ND		
Trichlorofluoromethane	2.9	10	ND		
1,1-Dichloroethene	1.5	10	ND		
Freon 113	3.7	10	ND		
Methylene Chloride	2.0	10	ND		
trans-1,2-Dichloroethene	1.1	10	ND		
MTBE	2.6	10	ND		
tert-Butanol	21	50	ND		
Diisopropyl ether (DIPE)	2.2	10	ND		
1,1-Dichloroethane	1.3	10	ND		
ETBE	2.4	10	ND		
cis-1,2-Dichloroethene	1.8	10	ND		
2,2-Dichloropropane	1.2	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	1.2	10	ND		
Carbon Tetrachloride	1.6	10	ND		
1,1,1-Trichloroethane	1.2	10	ND		
1,1-Dichloropropene	1.4	10	ND		
Benzene	1.5	10	ND		
TAME	2.1	10	ND		
1,2-Dichloroethane	1.9	10	ND		
Trichloroethylene	3.9	10	ND		
Dibromomethane	2.2	10	ND		
1,2-Dichloropropane	1.3	10	ND		
Bromodichloromethane	1.1	10	ND		
2-Chloroethyl vinyl ether	4.5	10	ND		
cis-1,3-Dichloropropene	1.4	10	ND		
Toluene	0.98	10	ND		
Tetrachloroethylene	1.8	10	ND		
trans-1,3-Dichloropropene	1.2	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.1	10	ND		
1,3-Dichloropropane	2.1	10	ND		
1,2-Dibromoethane	1.7	10	ND		
Ethyl Benzene	0.86	10	ND		
Chlorobenzene	4.2	10	ND		
1,1,1,2-Tetrachloroethane	0.86	10	ND		
m,p-Xylene	1.9	10	ND		



B S ar Report

Order#	1101058	Pre#	etho#	NA	Pre#	ate#	NA	Pre#	Bat#	NA	
Matrix	Soil	nal#	ti#	SW8260B	nal#	e#	ate#	01/14/11	nal#	ti#	403560
Unit	ug/Kg	etho#							Bat#		

Parameter		P#	etho# Blan# on#	a# ali#	
o-Xylene	0.66	5.0	ND		
Styrene	0.77	10	ND		
Bromoform	1.9	10	ND		
Isopropyl Benzene	1.2	10	ND		
n-Propylbenzene	1.4	10	ND		
Bromobenzene	1.2	10	ND		
1,1,2,2-Tetrachloroethane	3.0	10	ND		
1,3,5-Trimethylbenzene	1.1	10	ND		
1,2,3-Trichloropropane	3.3	10	ND		
4-Chlorotoluene	1.6	10	ND		
2-Chlorotoluene	1.6	10	ND		
tert-Butylbenzene	1.4	10	ND		
1,2,4-Trimethylbenzene	1.1	10	ND		
sec-Butyl Benzene	1.6	10	ND		
p-Isopropyltoluene	1.5	10	ND		
1,3-Dichlorobenzene	1.8	10	ND		
1,4-Dichlorobenzene	1.5	10	ND		
n-Butylbenzene	2.2	10	ND		
1,2-Dichlorobenzene	1.3	10	ND		
1,2-Dibromo-3-Chloropropane	4.2	10	ND		
Hexachlorobutadiene	2.6	10	ND		
1,2,4-Trichlorobenzene	2.1	10	ND		
Naphthalene	2.8	10	ND		
1,2,3-Trichlorobenzene	2.9	10	ND		
(S) Dibromofluoromethane			126		
(S) Toluene-d8			88.7		
(S) 4-Bromofluorobenzene			113		



SINCLAIR SOIL ANALYSIS REPORT

All values are in mg/Kg unless otherwise noted.

Order#	1101058	Pre#	etho#	3545_PCB	Pre#	date	01/13/11	Pre#	Batch#	1846
Matrix	Soil	analytical	etho	SW8082	analytical	date	01/13/11	analytical	Batch#	403539
Unit	mg/Kg									

Parameter	Conc	P	etho Blank Conc	Site Conc	S Recover	S Recover	S RP	Recover Conc	RP Conc	Cal Caliber
Aroclor1016	0.0230	0.10	ND	1	105	90.1	15.6	55.6 - 135	30	
Aroclor1260	0.0270	0.10	ND	0.5	98.1	81.7	18.3	65.6 - 132	30	
TCMX (S)			ND	0.25	86.1	71.9		68.9 - 123		
DCBP (S)			ND	0.250	92.5	77.7		69.5 - 119		

Order#	1101058	Pre#	etho#	3545_OCP	Pre#	date	01/17/11	Pre#	Batch#	1856
Matrix	Soil	analytical	etho	SW8081A	analytical	date	01/18/11	analytical	Batch#	403590
Unit	ug/Kg									

Parameter	Conc	P	etho Blank Conc	Site Conc	S Recover	S Recover	S RP	Recover Conc	RP Conc	Cal Caliber
gamma-BHC	0.40	2.0	ND	20	71.7	73.6	2.57	56.9 - 120	30	
Heptachlor	1.1	2.0	ND	20	78.5	78.7	0.163	63.6 - 117	30	
Aldrin	0.44	2.0	ND	20	81.7	87.3	6.63	53 - 123	30	
Dieldrin	0.43	2.0	ND	20	82.5	86.1	4.30	44 - 130	30	
Endrin	0.57	2.0	ND	20	84.3	88.4	4.81	44.1 - 121	30	
4,4-DDT	0.81	2.0	ND	20	85.5	87.1	1.89	52.8 - 134	30	
TCMX (S)			ND	350	79.1	85.7		52.5 - 139		
DCBP (S)			ND	350	82.1	84.3		50.2 - 139		



Soils Sample Analysis Report

All values are in mg/kg unless otherwise noted.

Order#	1101058	Prep#	etho#	3050	Prep#	ate#	01/17/11	Prep#	Bat#h#	1857	
Matrix#	Soil	Anal#	t#i#a#l	SW6010B	Anal#	e#	ate#	01/17/11	Anal#	t#i#a#l	403561
Unit#	mg/Kg	etho#							Bat#h#		

Parameter	Conc	Ppm	etho Blank	Site Conc	Soil Recovery	Soil Recovery	Soil Recovery	RP	Recovery Limit	RP Limit	Qualifier
Sb 206.836	0.2	5	ND	50	95.11	94.1	1.10	30.7 - 130	30		
As 188.979	0.28	1.7	ND	50	94.06	92.6	1.61	71 - 121	30		
Ba 233.527 R	1.1	5	ND	50	97.61	96.3	1.32	70.2 - 130	30		
Be 313.107 R	0.084	2	ND	50	98.22	99.8	1.83	73.3 - 115	30		
Cd 228.802	0.059	1	ND	50	92.46	91.5	1.12	68.7 - 110	30		
Cr 205.560	0.059	5	0.11	50	96.3	94.4	2.00	76 - 116	30		
Co 228.616	0.14	5	ND	50	97.46	97.1	0.370	57.4 - 122	30		
Cu 327.393	0.09	5	0.23	50	99.97	99.4	0.562	74.8 - 119	30		
Pb 220.353	0.13	1	0.15	50	95.83	94.8	1.09	67.9 - 118	30		
Mo 202.031	0.059	5	ND	50	99.51	98.8	0.666	62.9 - 123	30		
Ni 231.604	0.059	5	0.13	50	97.15	96.6	0.609	61.5 - 122	30		
Se 196.026	0.29	5	ND	50	88.29	88.0	0.295	62 - 111	30		
Ag 338.289	1	1	ND	50	94.31	93.9	0.414	81.1 - 109	30		
Tl 190.801	0.12	5	ND	50	93.07	93.1	0.0322	39.2 - 125	30		
V 290.880	0.12	5	ND	50	97.88	96.7	1.29	65.8 - 122	30		
Zn 206.200	0.59	5	ND	50	99.76	97.9	1.90	59.9 - 122	30		



Solid Sample Analysis Report

All values are in mg/kg unless otherwise noted.

Order#	1101058	Pre#	etho#	3050	Pre#	date	01/17/11	Pre#	Bat#	1858
Matrix	Soil	analytical	etho	SW6010B	analytical	date	01/17/11	analytical	Bat#	403562
Unit	mg/Kg									

Parameter	Conc	P	etho Blank	Size Conc	S Recover	S Recover	S RP	Recover Conc	RP Conc	Cal Caliber
Sb 206.836	0.20	5.0	ND	50	93.4	94.1	0.704	30.7 - 130	30	
As 188.979	0.28	1.7	ND	50	92.3	92.4	0.0975	71 - 121	30	
Ba 233.527 R	1	5.0	ND	50	93.4	97.2	3.99	70.2 - 130	30	
Be 313.107 R	0.0840	2.0	ND	50	96.5	93.2	3.01	73.3 - 115	30	
Cd 228.802	0.059	1.0	ND	50	86.9	92.2	5.89	68.7 - 110	30	
Cr 205.560	0.059	5.0	0.080	50	91.6	95.8	4.44	76 - 116	30	
Co 228.616	0.14	5.0	ND	50	97.0	97.4	0.381	57.4 - 122	30	
Cu 327.393	0.090	5.0	0.49	50	97.0	98.9	1.90	74.8 - 119	30	
Pb 220.353	0.13	1.0	0.17	50	95.5	95.1	0.399	67.9 - 118	30	
Mo 202.031	0.059	5.0	ND	50	99.0	98.8	0.192	62.9 - 123	30	
Ni 231.604	0.059	5.0	ND	50	97.1	96.7	0.433	61.5 - 122	30	
Se 196.026	0.29	5.0	ND	50	88.5	87.9	0.658	62 - 111	30	
Ag 338.289	1.0	1.0	ND	50	91.0	93.7	2.90	81.1 - 109	30	
Tl 190.801	0.12	5.0	ND	50	92.1	92.9	0.897	39.2 - 125	30	
V 290.880	0.12	5.0	ND	50	92.5	97.3	5.10	65.8 - 122	30	
Zn 206.200	0.59	5.0	ND	50	104	100	3.82	59.9 - 122	30	

Order#	1101058	Pre#	etho#	7471	Pre#	date	01/17/11	Pre#	Bat#	1865
Matrix	Soil	analytical	etho	7471B	analytical	date	01/18/11	analytical	Bat#	403558
Unit	mg/Kg									

Parameter	Conc	P	etho Blank	Size Conc	S Recover	S Recover	S RP	Recover Conc	RP Conc	Cal Caliber
Hg 253.7	0.01	0.10	0.0150	1.25	109	110	0.850	80.5 - 133	30	

Order#	1101058	Pre#	etho#	7471	Pre#	date	01/17/11	Pre#	Bat#	1866
Matrix	Soil	analytical	etho	7471B	analytical	date	01/18/11	analytical	Bat#	403559
Unit	mg/Kg									

Parameter	Conc	P	etho Blank	Size Conc	S Recover	S Recover	S RP	Recover Conc	RP Conc	Cal Caliber
Hg 253.7	0.01	0.10	0.0133	1.25	106	106	0.126	80.5 - 133	30	



SMS Sample Report

All values are in mg/L unless otherwise noted.

Order#	1101058	Pre#	etho#	5035	Pre#	date	01/14/11	Pre#	Batch#	1867
Matrix	Soil	Qual#	tical	8260TPH	Qual#	date	01/14/11	Qual#	tical	403560
Unit	ug/Kg	etho#						Batch#		

Parameter	Conc	Ppm	etho#	Site	Conc	Conc	Conc	RP	RP	RP
TPH(Gasoline)	17	100	ND	1000	99.2	104	4.30	48.2 - 132	30	
(S) 4-Bromofluorobenzene			69.6	50	74.1	81.1		57 - 127		

Order#	1101058	Pre#	etho#	3545_TPH	Pre#	date	01/19/11	Pre#	Batch#	1877
Matrix	Soil	Qual#	tical	SW8015B(M)	Qual#	date	01/19/11	Qual#	tical	403610
Unit	mg/Kg	etho#						Batch#		

Parameter	Conc	Ppm	etho#	Site	Conc	Conc	Conc	RP	RP	RP
TPH as Diesel	0.758	2	ND	33.33	88.2	74.6	16.7	52.7 - 115	30	
Pentacosane (S)			2.1	100	96.5	81.8		59.7 - 129		

Order#	1101058	Pre#	etho#	5035	Pre#	date	01/21/11	Pre#	Batch#	1904
Matrix	Soil	Qual#	tical	8260TPH	Qual#	date	01/21/11	Qual#	tical	403638
Unit	ug/Kg	etho#						Batch#		

Parameter	Conc	Ppm	etho#	Site	Conc	Conc	Conc	RP	RP	RP
TPH(Gasoline)	17	100	ND	1000	80.5	82.4	2.28	48.2 - 132	30	
(S) 4-Bromofluorobenzene			60.3	50	63.2	65.7		57 - 127		

Order#	1101058	Pre#	etho#	3050	Pre#	date	01/21/11	Pre#	Batch#	1905
Matrix	Soil	Qual#	tical	SW6010B	Qual#	date	01/24/11	Qual#	tical	403642
Unit	mg/Kg	etho#						Batch#		

Parameter	Conc	Ppm	etho#	Site	Conc	Conc	Conc	RP	RP	RP
Pb 220.353	0.13	1.0	0.39	50	93.9	94.9	1.01	67.9 - 118	30	



Soils Sample Analysis Report

All values are in mg/kg unless otherwise noted.

Order#	1101058	Pre#	etho#	3050	Pre#	ate#	01/26/11	Pre#	Bat#	1922
Matrix	Soil	analytical	SW6010B	analytical	SW6010B	analytical	01/26/11	analytical	SW6010B	403673
Unit	mg/Kg									

Parameter	Conc	P	etho	Site	Re	Re	Re	Re	Re	Re
			Blank	Con	Con	Con	Con	Con	Con	Con
Pb 220.353	0.13	1	ND	50	97.6	96.5	1.19	67.9 - 118	30	

Order#	1101058	Pre#	etho#	NA	Pre#	ate#	NA	Pre#	Bat#	NA
Matrix	Soil	analytical	SW8260B	analytical	SW8260B	analytical	01/14/11	analytical	SW8260B	403560
Unit	ug/Kg									

Parameter	Conc	P	etho	Site	Re	Re	Re	Re	Re	Re
			Blank	Con	Con	Con	Con	Con	Con	Con
1,1-Dichloroethene	1.5	10	ND	50	58.2	58.6	0.719	53.7 - 139	30	
Benzene	1.5	10	ND	50	91.8	92.2	0.456	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	118	114	3.23	57.5 - 150	30	
Toluene	0.98	10	ND	50	87.5	78.5	10.7	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	98.5	88.3	10.9	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	117	127		59.8 - 148		
(S) Toluene-d8			ND	50	83.1	80.8		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	111	108		55.8 - 141		

Order#	1101058	Pre#	etho#	NA	Pre#	ate#	NA	Pre#	Bat#	NA
Matrix	Soil	analytical	SW8260B	analytical	SW8260B	analytical	01/21/11	analytical	SW8260B	403638
Unit	ug/Kg									

Parameter	Conc	P	etho	Site	Re	Re	Re	Re	Re	Re
			Blank	Con	Con	Con	Con	Con	Con	Con
1,1-Dichloroethene	1.5	10		50	102	108	5.61	53.7 - 139	30	
Benzene	1.5	10		50	95.2	103	7.40	66.5 - 135	30	
Trichloroethylene	3.9	10		50	118	108	9.17	57.5 - 150	30	
Toluene	0.98	10		50	88.6	84.2	5.07	56.8 - 134	30	
Chlorobenzene	4.2	10		50	85.5	91.9	7.38	57.4 - 134	30	
(S) Dibromofluoromethane				50	107	81.4		59.8 - 148		
(S) Toluene-d8				50	83.7	82.1		55.2 - 133		
(S) 4-Bromofluorobenzene				50	110	112		55.8 - 141		



Soils Sample Analysis Report

All values are given in units of control and measurement.

Order#	1101058	Pre#	etho#	7471	Pre#	ate#	01/17/11	Pre#	Bat#	1865	
Matrix	Soil	Anal#	ti#	7471B	Anal#	e#	ate#	01/18/11	Anal#	ti#	403558
Site#	Sa#	le#	1101058-001A	etho#					Bat#		
Unit	mg/Kg										

Parameter	Unit	P	Sa#	le	Site	S	S	S	S	RP	Ca
			on	on	on	Re	Re	RP	Re	it	al
Mercury	0.01	0.10	0.00111	1.25	123	128	4.32	60 - 140	30		

Order#	1101058	Pre#	etho#	NA	Pre#	ate#	NA	Pre#	Bat#	NA	
Matrix	Soil	Anal#	ti#	SW8260B	Anal#	e#	ate#	01/14/11	Anal#	ti#	403560
Site#	Sa#	le#	1101058-001A	etho#					Bat#		
Unit	ug/Kg										

Parameter	Unit	P	Sa#	le	Site	S	S	S	S	RP	Ca
			on	on	on	Re	Re	RP	Re	it	al
1,1-Dichloroethene	1.5	10	0	50	63.4	64.7	2.09	53.7 - 139	30		
Benzene	1.5	10	0	50	100	106	5.84	66.5 - 135	30		
Trichloroethylene	3.9	10	0	50	115	108	6.59	57.5 - 150	30		
Toluene	0.98	10	0	50	88.3	90.4	2.26	56.8 - 134	30		
Chlorobenzene	4.2	10	0	50	97.8	105	7.31	57.4 - 134	30		
(S) Dibromofluoromethane				50	136	135		59.8 - 148			
(S) Toluene-d8				50	91.8	91.8		55.2 - 133			
(S) 4-Bromofluorobenzene				50	120	128		55.8 - 141			



Soil Sample Analysis Report

All values are in mg/kg unless otherwise noted.

Order#	1101058	Preparation	3050	Prepared	01/17/11	Pre Batch	1857
Matrix	Soil	Anal. Method	SW6010B	Anal. Date	01/17/11	Anal. Batch	403561
Sample Name	1101058-001A						
Unit	mg/Kg						

Parameter	Conc	Ppm	Sample Conc	Size Conc	Sample Recover	Sample Recover	Sample Recover	Recovery Conc	RP Conc	RP Conc
Antimony	0.20	5.0	0.00	50	84.1	80.4	4.54	30.7 - 130	30	
Arsenic	0.28	1.7	0.00	50	93.8	98.3	4.72	71 - 121	30	
Barium	1	5.0	4.2	50	98.8	82.1	3.31	70.2 - 130	30	NR
Beryllium	0.0840	2.0	0.00	50	90.4	89.5	0.557	73.3 - 115	30	
Cadmium	0.059	1.0	0.00	50	88.5	88.9	0.395	68.7 - 110	30	
Chromium	0.059	5.0	1.6	50	69.8	34.2	16.9	76 - 116	30	S
Cobalt	0.14	5.0	0.33	50	84.2	81.5	2.16	57.4 - 122	30	
Copper	0.090	5.0	0.92	50	74.6	64.7	6.36	74.8 - 119	30	S
Lead	0.13	1.0	0.44	50	113	137	14.1	67.9 - 118	30	S
Molybdenum	0.059	5.0	0.00	50	86.9	86.6	0.380	62.9 - 123	30	
Nickel	0.059	5.0	3.1	50	33.6	-25.5	18.9	61.5 - 122	30	S
Selenium	0.29	5.0	0.00	50	85.6	84.9	0.833	62 - 111	30	
Silver	1.0	1.0	0.00	50	91.1	90.3	0.860	81.1 - 109	30	
Thallium	0.12	5.0	0.00	50	78.3	79.7	1.82	39.2 - 125	30	
Vanadium	0.12	5.0	1.1	50	79.8	67.2	6.97	65.8 - 122	30	
Zinc	0.59	5.0	1.1	50	90.6	104	6.31	59.9 - 122	30	



Laboratory Qualifiers and Definitions

EFILS

Accuracy/Bias/Recovery - The closeness of agreement between an observed value and an accepted reference value.
Blank/Method Preparation Blank - MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Calibrator/Control Sample/Spiked Sample - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike/Matrix Spike - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision - RP - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate/Surrogate - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentative/Identified/Compound - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Unit - the unit of measure used to express the reported result - g and mg/Kg (equivalent to PPM - parts per million in liquid and solid), g and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), g 3, mg.m3 , ppmv (all units of measure for reporting concentrations in air), g (equivalent to 10000 ppm or 1,000,000 ppb), g (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

BRURIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank - Surrogate is not recoverable due to the necessary dilution of the sample E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated. - Indicates that the recommended holding time for the analyte or compound has been exceeded - Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative - Not Analyzed - Not Applicable R - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added R - The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts S - Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative - Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.
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Sample Receipt Checklist

Client Name: Northgate Environmental Management Inc.

Date and Time Received: 1/13/2011 19:05

Project Name: CA Hotel Quality Soil Investigation

Received By: NAVIN

Work Order No.: 1101058

Physically Logged By: LORNA

Checklist Completed By: LORNA

Carrier Name: Gold Bullet Courier

Chain of Custody to Sample Information

Chain of custody present? Yes

Chain of custody signed when relinquished and received? Yes

Chain of custody agrees with sample labels? Yes

Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present

Shipping Container/Cooler In Good Condition? Yes

Samples in proper container/bottle? Yes

Samples containers intact? Yes

Sufficient sample volume for indicated test? Yes

Sample Preservation and Analysis Information

All samples received within holding time? Yes

Container/Temp Blank temperature in compliance? Yes Temperature: 8 °C

Water-VOA vials have zero headspace? No VOA vials submitted

Water-pH acceptable upon receipt?

pH Checked by:

pH Adjusted by:



Login Sample and Report

Client ID	TL5143	Northgate Environmental Management Inc.	Level
Project Name	CA Hotel Quality Soil Investigation		Report Date 5+ day:0
Project #	1204.14		Rate Received 1/13/2011
Report Date	1/26/2011		File Received 19:05

Comments: 5 Day TAT! 17 samples rec'd @ 8'C. 9 soils for discrete analysis, 4 soils on hold. 4 soils to be composited 4:1 per CoC instructions. Run MS/MSD for all requested analyses on any sample except 011, 012 or 017. Report to Dennis!

Change order requested for 24 hr TAT on sample -003 for TPH Gas, and samples 013 - 016 from TTLC Lead. Report to Dennis! Due 1/24/11.

Order # **1101058**

Sample ID	Client Sample ID	Collection Date/Time	Matrix	Schedule Initial	Sample Name	Test Name	Report Date	Status
1101058-001A	SB3-1.0'	01/13/11 9:30	Soil	07/12/11		S_6010BCAM17 S_7471BHG S_8260Full S_TPHDO S_GCMS-GRO		
Sample Note: MS/MSD required on randomly selected soil (except -011, 012 and the comp sample -018). Please report an MS/MSD for all requested parameters!								
1101058-002A	SB3-3.0'	01/13/11 9:40	Soil	07/12/11		S_6010BCAM17 S_TPHDO S_GCMS-GRO S_8260Full S_7471BHG		
1101058-003A	SB3-5.0'	01/13/11 10:00	Soil	07/12/11		S_GCMS-GRO CO		
Sample Note: Sample Off hold and TPHg added on 1/21/11.								
1101058-004A	SB2-1.0'	01/13/11 10:25	Soil	07/12/11		S_6010BCAM17 S_7471BHG S_TPHDO S_8260Full S_GCMS-GRO		
1101058-005A	SB2-3.0'	01/13/11 10:35	Soil	07/12/11		S_6010BCAM17 S_7471BHG S_8260Full S_GCMS-GRO S_TPHDO		
1101058-006A	SB2-5.0'	01/13/11 10:45	Soil	07/12/11		Hold Samples		
1101058-007A	SB1-1.0'	01/13/11 11:20	Soil	07/12/11				



Login Sample Report

Client ID TL5143 Project Name CA Hotel Quality Soil Investigation Project # 1204.14 Report Date 1/26/2011	Client Northgate Environmental Management Inc. Request 5+ day:0 Rate Received 1/13/2011 File Received 19:05	Comments 5 Day TAT! 17 samples rec'd @ 8'C. 9 soils for discrete analysis, 4 soils on hold. 4 soils to be composited 4:1 per CoC instructions. Run MS/MSD for all requested analyses on any sample except 011, 012 or 017. Report to Dennis! Change order requested for 24 hr TAT on sample -003 for TPH Gas, and samples 013 - 016 for TTLC Lead. Report to Dennis! Due 1/24/11. Order # 1101058
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Sample ID	Client Sample ID	Collection Date/Time	Matrix	Schedule Initial	Sample Name	Test Name	Reference	Notes
1101058-008A	SB1-3.0'	01/13/11 11:45	Soil	07/12/11			S_6010BCAM17 S_7471BHG S_TPHDO S_8260Full S_GCMS-GRO	
1101058-009A	SB1-5.0'	01/13/11 12:00	Soil	07/12/11			S_6010BCAM17 S_TPHDO S_8260Full S_GCMS-GRO S_7471BHG	
1101058-010A	SB4-1.0'	01/13/11 12:55	Soil	07/12/11			Hold Samples	
1101058-011A	SB4-3.0'	01/13/11 13:20	Soil	07/12/11			S_6010BCAM17 S_7471BHG S_GCMS-GRO S_TPHDO S_8260Full	
1101058-012A	SB4-3.0' D	01/13/11 13:30	Soil	07/12/11			S_6010BCAM17 S_7471BHG S_GCMS-GRO S_TPHDO S_8260Full S_GCMS-GRO	Analyze sample 011A and 012A from end of sample sleeve as indicated on end cap.



Client Login Sample and Report

Client ID: TL5143 Northgate Environmental Management Inc.

Client Name:

Project Name: CA Hotel Quality Soil Investigation

Report Date: 5+ day:0

Project #: 1204.14

Report Date: 1/13/2011

Report Date: 1/26/2011

Report Date: 19:05

Comments: 5 Day TAT! 17 samples rec'd @ 8'C. 9 soils for discrete analysis, 4 soils on hold. 4 soils to be composited 4:1 per CoC instructions. Run MS/MSD for all requested analyses on any sample except 011, 012 or 017. Report to Dennis!

Change order requested for 24 hr TAT on sample -003 for TPH Gas, and samples 013 - 016 for TTLC Lead. Report to Dennis! Due 1/24/11.

Order #: 1101058

Sample ID	Client Sample ID	Collection Date/Time	Matrix	Schedule Initial	Sample Name	Report Date	Notes
Sample Note	Analyze sample 011A and 0112A from end of sample sleeve as indicated on end cap.						
1101058-013A	SB4-5.0'	01/13/11 13:50	Soil	07/12/11		S_6010BCAM17	
Sample Note	Pb added to samples 013,014,015,016 on 1/21/11.						
1101058-014A	SB5-1.5'	01/13/11 14:10	Soil	07/12/11		S_6010BCAM17	
1101058-015A	SB6-3.0'	01/13/11 14:20	Soil	07/12/11		S_6010BCAM17	
1101058-016A	SB7-1.5'	01/13/11 14:25	Soil	07/12/11		S_6010BCAM17	
1101058-017A	SB8-3.0'	01/13/11 14:35	Soil	07/12/11		S_6010BCAM17	
Sample Note	Additional request for Pb due on 1/26/11.						
1101058-018A	Comp-1	01/13/11	Soil	07/12/11		S_6010BCAM17	
						S_8260Full	
						S_TPHDO	
						S_8081AOC	
						S_8082PCB	
						S_GCMS-GRO	
						S_7471BHG	



1101058

Project No.: # 1204-14		Project Location: 3501 San Pablo Ave., Oakland, CA		Date: 1/13/11		Serial No.: # 1846, 2 of 2					
Project Name: California Metal Soil Quality Investigation		Field Logbook No.: BSM Logbook		Sampers: B. Mulholland		Sampers:					
Sampler (Signature): [Signature]		ANALYSES		HOLD		RUSH					
Sample No.	Date	Time	Lab Sample No.	No. of Containers	Sample Type	TPH - g./d., m.o. (EPA 8260/8015)	VOCs (EPA 8260)	17 Metals (EPA 6000/4000)	Org. Pest. (EPA 8081)	PCBs (EPA 8082)	REMARKS
588-3.0'	1/13/11	1435	-017A -018A COMP-1	1	Soil	X	X	X	X	X	Standard (5-day) TAT requested.
Report results to: Dennis.Ladousky@ngem.com											
Please composite samples prior to analysis, labeled composite sample "COMP-1" as indicated.											
Please place sample on hold pending request for analysis.											
Temp 8°C											
Relinquished by: [Signature]		Date: 1/13/11		Time: 1435		Received By: [Signature]		Date: 1/13/11		Time: 1735	
Relinquished by: [Signature]		Date: 1/13/11		Time: 705		Received By: [Signature]		Date: 1-13-11		Time: 7:05 P.M.	
Method of Shipment: Lab courier pick-up		Date: []		Time: []		Comments: []					
Sample Collector: Northgate Environmental Management, Inc. 300 Frank H Ogawa Plaza, Suite 510 Oakland, California 94612 ph - (510) 839 0688 / fax - (510) 839-4350						Analytical Laboratory: Torrent Laboratory, Milpitas, CA.					

G.B.



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northgate environmental management, inc.		CHAIN OF CUSTODY / ANALYSES REQUEST FORM		No 001845									
Project No.: # 1304-18		Project Location: 3501 Santa Clara Ave., Oakland CA		Date: 1/13/11									
Project Name: California Hotel Soil Analysis Investigation		Field Logbook No.: BSM Logbook		Serial No.: # 1845 Job 2									
Sampler (Signature): <i>B. Muller</i>		ANALYSES		Samplers: B. Muller									
Sample No.	Date	Time	Lab Sample No.	No. of Containers	Sample Type	TPH (g/g, m.o.) (EPA 8260/8015)	VOCs (EPA 8260)	19 Metals (EPA 6000/4000)	Org. Pest. (EPA 8081)	PCBs (EPA 8082)	HOLD	RUSH	REMARKS
SB3-1.0'	1/13/11	0930	-001A	1	Soil	X	X	X					Standard (5-Day) TAT requested.
SB3-3.0'	1/13/11	0940	-002A	1	Soil	X	X	X					
SB3-6.0'	1/13/11	1000	-003A	1	Soil						X		
SB2-1.0'	1/13/11	1025	-004A	1	Soil	X	X	X					Report results to
SB2-3.0'	1/13/11	1035	-005A	1	Soil	X	X	X					Dennis.Ladousky@ngem.com
SB2-5.0'	1/13/11	1045	-006A	1	Soil						X		
SB2-7.0'	1/13/11	1120	-007A	1	Soil	X	X	X					Please composite samples prior to analysis, label composite sample "Comp-1" as indicated
SB2-3.0'	1/13/11	1145	-008A	1	Soil	X	X	X					
SB2-5.0'	1/13/11	1200	-009A	1	Soil						X		
SB4-1.0'	1/13/11	1255	-010A	1	Soil	X	X	X					
SB4-3.0' (XX)	1/13/11	1320	-011A	1	Soil	X	X	X					
SB4-3.0' (XX)	1/13/11	1330	-012A	1	Soil	X	X	X					Please place sample in hold pending request for analysis.
SB7-6.0'	1/13/11	1350	-013A	1	Soil						X		
SB5-1.5'	1/13/11	1410	-014A	1	Soil								
SB6-3.0'	1/13/11	1420	-015A	1	Soil								
SB9-1.5'	1/13/11	1425	-016A	1	Soil								
Relinquished by: <i>B. Muller</i>		Date: 1/13/11	Time: 1735	Received By: <i>La</i>		Date: 1/13/11	Time: 1735						
Relinquished by: <i>La</i>		Date: 1/13/11	Time: 1745	Received By: <i>Mr. G. Rhodes</i>		Date: 1-13-11	Time: 7:05 PM						
Method of Shipment: <i>Lab courier pick-up.</i>		Date:	Time:	Comments: (XX) Analyze sample from end of sample sleeve as indicated on cap									
Sample Collector: Northgate Environmental Management, Inc. 300 Frank H Ogawa Plaza, Suite 510 Oakland, California 94612 ph - (510) 839 0688 / fax - (510) 839-4350				Analytical Laboratory: <i>Torrent Laboratory, Milpitas, CA.</i>									

EB.