STRATEGIC ENGINEERING & SCIENCE

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RECEIVED
By Alameda County Environmental Health at 4:05 pm, Feb 26, 2013

February 21, 2013

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

SITE: ALAMEDA ISLANDER MOTEL
2428 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

RE: REPORT ON RISK MANAGEMENT ACTIVITIES DURING SITE CONSTRUCTION

Dear Mr. Wickham:

On behalf of The Alameda Islander, L.P., Strategic Engineering & Science is submitting this *Report On Risk Management Activities During Site Construction* at the Alameda Islander Motel located at 2428 Central Ave in Alameda, California (Site). This document was prepared in accordance with the Risk Management Plan dated November 23, 2011.

In addition, I, Lisa Motoyama, the Site representative, declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions regarding this document, please contact Mark Trevor at (510) 451-1761 or Brian Saliman at (415) 297-2258.

Sincerely,

PROFESSIONAL GEOLOGIST
MARK SEAN TREVOR
No. 8146
3/31/14
STATE OF CALIFORNIA

Mark Trevor, P.G.
Senior Project Geologist
Strategic Engineering & Science, Inc.

Lisa Motoyama
Director
Housing Development

ATTACHMENT:

Report On Risk Management Activities During Site Construction

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REPORT ON RISK MANAGEMENT ACTIVITIES DURING SITE CONSTRUCTION

ALAMEDA ISLANDER MOTEL
2428 CENTRAL AVENUE
ALAMEDA, CA

February 12, 2013

Prepared for:
ALAMEDA ISLANDER LP

Prepared by:
STRATEGIC ENGINEERING & SCIENCE, INC.
110 11th Street - 2nd Floor
Oakland, CA 94607

REPORT ON RISK MANAGEMENT ACTIVITIES DURING SITE CONSTRUCTION

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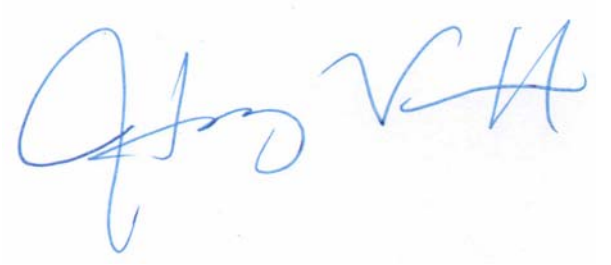
110 11th Street - 2nd Floor
Oakland, CA 94607

Mark S. Trevor, P.G.
Senior Project Geologist



Hugo Vazquez

Mohammad Bazargani, P.E.
Principal Engineer

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1.0 INTRODUCTION

On behalf of the City of Alameda Housing Development, Strategic Engineering and Science, Inc. (SES) prepared this Report on Risk Management Activities during Site Construction for the Alameda Islander Motel located at 2428 Central Avenue in Alameda, California (Site) (Figure 1).

The purpose of this document is to provide a summary of Site monitoring activities during excavation, grading and management of excavated materials as required by the Risk Management Plan (SES Nov. 2011) submitted to and approved by Alameda County Environmental Health (ACEH). These activities include: access control, soil handling guidelines, stockpile management, stockpile sampling, dust control, and air monitoring.

Loading, transportation and final disposal of contaminated soil was performed by the contractor.

2.0 SITE DESCRIPTION AND BACKGROUND

The Site is located on the southern corner of the intersection of Central and Park Avenues in the City of Alameda, California. A multistory building under renovations occupies the Site (Figure 2). Properties to the north and east are developed for commercial uses. A residential neighborhood is situated to the west and south.

According to previous reports, a Chevron service station operated at the Site from 1947 until 1970. The station facilities were abandoned on January 27, 1970. One 7,500 gallon and three 3,000 gallon underground storage tanks (USTs) were removed from the Site along with the associated product piping. Confirmation soil samples were not collected at the time of the removal of the Site USTs and station abandonment. The Site was then leased to the post office from early 1970 until Chevron sold the Site to Stahl Wooldridge Construction Company in February 1971.

In 1973, a multi-story motel was constructed at the Site. The main motel structure consists of a three-story building constructed above an at-grade parking garage. The rear auxiliary building is a single-story structure constructed at grade. A concrete-paved parking lot is present between the two structures. An aged hydroelectric elevator is present at the northwestern corner of the main motel building.

In 2011, plans were prepared to redevelop the Site and re-designate it for residential use. This prompted an additional site investigation and reopening of the ACEH case file, as described below. Additional investigations determined that some residual hydrocarbon-impacted soil remains at the site, but soil vapor migration does not pose a risk to future site residents and any remaining groundwater contamination is stable and contained on site. A Land Use Covenant and Environmental Restriction on the Property

was necessary to prevent potential future exposure to residual contamination remaining in portions of the Site. The Covenant required preparation of a Risk Management Plan which was prepared in November, 2011 by SES.

3.0 PREVIOUS INVESTIGATIONS

In June 1993, two soil borings (EB-1 and EB-2) were advanced near the former dispenser island and former UST pit, respectively. Groundwater was encountered at approximately 10 feet below grade (fbg). Soil samples collected from borings EB-1 and EB-2 at 5 fbg did not contain detectable concentrations of Total Petroleum Hydrocarbons as gasoline (TPH-G), Total Petroleum Hydrocarbons as diesel (TPH-D), or benzene, toluene, ethylbenzene, and xylenes (BTEX) at the following detection limits:

- TPH-G/TPH-D: 0.05 mg/kg
- BTEX: 0.0005 mg/kg

The soil sample collected from boring EB-1 at 10 fbg contained 211 milligrams per kilogram (mg/kg) of TPH-D and 7.94 mg/kg of benzene. The grab groundwater sample collected from boring EB-1 contained 27,870 micrograms per liter (µg/l) of TPH-D and 1,782 µg/l of benzene. The grab groundwater sample collected from EB-2 did not contain detectable concentrations of TPH-G, TPH-D, or BTEX at the following detection limits:

- TPH-G/TPH-D: 50 µg/L
- BTEX: 0.5 µg/L

Groundwater monitoring wells MW-1 through MW-3 were installed in April 1994. Groundwater was encountered at approximately 7 fbg. Soil samples collected from borings MW-1 through MW-3 at 5 fbg and MW-3 at 10 fbg did not contain detectable concentrations of TPH-G, TPH-D, or BTEX. The soil sample collected from MW-1 at 10 fbg contained TPH-G (1,300 mg/kg) and TPH-D (3,000 mg/kg). The soil sample collected from boring MW-2 at 10 fbg contained detectable concentrations of TPH-G (3,000 mg/kg), TPH-D (340 mg/kg) and benzene (8 mg/kg). However, these soil samples were collected from below the static groundwater elevation at the time of installation. The groundwater sample collected from well MW-1 contained detectable concentrations of TPH-G (7,400 µg/l), TPH-D (840 µg/l), and benzene (120 µg/l). The groundwater sample collected from well MW-2 contained detectable concentrations of TPH-G (6,400 µg/l) and TPH-D (920 µg/l). The laboratory concluded that the TPH-D chromatogram pattern was indicative of weathered gasoline, not diesel. According to Gettler Ryan, as stated in their April 18, 1997 *Risk Based Corrective Action Report*, based on available records Chevron never distributed diesel at this Site. TPH-G, TPH-D, or BTEX were not detected in groundwater sample collected from MW-3.

Three offsite groundwater wells (MW-4, MW-5, and MW-6) were installed in August 1996. Groundwater was encountered at 7.5 fbg. Soil samples collected from borings MW-4 through MW-6 did not contain detectable concentrations of TPH-G, TPH-D, BTEX, or methyl tert butyl ether (MTBE). Groundwater samples collected from the newly installed wells did not contain TPH-G, TPH-D, BTEX, or MTBE compounds.

Quarterly groundwater monitoring and sampling was initiated at the Site in March 1994 and continued through September 1998. ORC was introduced into monitoring wells MW-1 and MW-2 on May 21, 1998. The introduction of ORC was to enhance natural attenuation processes in and around these wells. The effects of the remediation were not evaluated beyond the final monitoring and sampling event in September of that year. No further information was available.

During the last monitoring and sampling event (September 26, 1998), the groundwater sample collected from MW-1 contained TPH-G (1,400 µg/l), benzene (75 µg/l), ethylbenzene (1.1 µg/l), and total xylenes (2.2 µg/l). Groundwater samples collected from MW-2 contained detectable concentrations of TPH-G (610 µg/l), benzene (18 µg/l), toluene (0.58 µg/l), total xylenes (1.1 µg/l), and MTBE (10 µg/l). Hydrocarbons were not detected in monitoring wells MW-3 through MW-6 during the monitoring and sampling program.

A review of the primary COC concentrations over time suggests that in both wells (MW-1 and MW-2) TPH-G and MTBE decreased between 1996 and 1998, while benzene concentrations showed no clear trend.

In 1999, Gettler Ryan Inc. prepared a Risk Management Plan (RMP). The RMP included several risk management measures for the Site.

In 2001, the six monitoring wells associated with the Site were abandoned by pressure grouting. A “Fuel Leak Site Case Closure“ letter for the Site was issued by the Alameda County Health Care Services Agency on December 27, 2001, which accepted the risk management measures proposed by Gettler Ryan, Inc.

In 2011, fourteen (14) direct-push soil borings were advanced at various locations around the Site. Eight (8) soil borings (SB-1 through SB-8) were advanced to depths ranging between 15 and 20 fbg for the collection of grab groundwater samples. Concentrations of TPH-G above ESLs, were confined to areas near the former USTs (SB-3 and SB-5), former dispenser islands (SB-8), and at one downgradient location (SB-6). Concentrations of TPH-D, above ESLs were confined to an area near the former USTs (SB-3 and SB-5). Concentrations of the VOC naphthalene were confined to areas near the former USTs (SB-3) and the former dispenser islands (SB-8). However, groundwater at the Site is not a domestic or industrial source; domestic water needs are supplied by a municipal system unaffected by the Site. Additionally, current and historical sampling data suggest that the contamination plume is contained onsite to the area near and north of the former USTs and dispenser islands.

Additionally, six (6) borings (SG-1 through SG-6) were advanced to approximately 5 fbg for the collection of soil gas samples. TPH-G, BTEX, MTBE, and chlorinated solvents concentrations were not detected above California Human Health Screening Levels (CHHSLs) in any of the soil vapor samples collected.

4.0 CONSTRUCTION MONITORING

4.1 Risk Management Plan

Due to the potential that impacted soil and groundwater below the surface could pose a risk to Site workers during excavation activities, the Alameda County Environmental Health Services (ACEHS) required the preparation of a Risk Management Plan (RMP) for construction and/or excavation activities at the Site. The Plan (dated November 23, 2011) outlines protocols to be used to provide protection for workers, occupants, and nearby residents during future construction or excavation activities. Generally, this includes ACEH notifications, environmental monitoring during all subsurface activities, and characterization of all wastes and provides for possible soil sampling within the elevator excavation area. The RMP was approved, pending requested revisions, by ACEH in a letter dated November 3, 2011. All pertinent ACEH correspondence is presented in Appendix A. Daily field reports for all construction monitoring activities are included as Appendix B. With the exception of elevator shaft excavation (described in Section 4.4) no anomalies or observations requiring further inspection/investigation were made.

4.2 Excavation Monitoring

Construction activities at the site were conducted between January 2012 and October 2012. Personnel from SES were present during construction activities involving soil excavation. All excavation activities were visually monitored for evidence of impacted soils. Observations were made for potential discoloration, staining, and/or chemical odors continuously during periods of excavation. Additionally, the excavation cavities, sidewalls and excavated soils were screened for organic vapors using a mini-RAE handheld photoionization detector (PID). During the construction, organic vapors and potential visible soil contamination were detected only during elevator removal. These activities and subsequent investigations are detailed in Section 3.4 below. No other soil excavations on the property showed indications of hydrocarbon-impacted soil.

4.3 Stockpile Sampling

Soil stockpile sampling was performed to profile the material for off-site disposal. Composite soil samples were collected from the stockpiled material and analyzed prior to landfill acceptance. Soil samples were placed in an ice-chilled cooler and transported to a California-certified analytical laboratory with chain of custody documentation.

Two different stockpiles were generated during construction activities, both were sampled for off-site disposal as mentioned above. The first stockpile was generated from the excavation activities at the elevator area. The approximate volume of the stockpile was 8 cubic yards. The second stockpile was generated from the grading and construction activities at the south east area of the site. The approximate volume of the stockpile was 9 cubic yards. Documentation regarding the off-site disposal of these stockpiles is enclosed in Appendix C.

4.4 Elevator Area

The elevator shaft "pit" area was an approximately a 10-ft by 10-ft by 4 feet deep concreted area. On March 6, 2012, the concrete within the elevator shaft pit was broken up and removed allowing for soil sampling to occur. Soil sampling was conducted to characterize subsurface conditions in the shaft pit area prior to disturbing the soils during upcoming construction activities. Ten soil samples were collected from depths of 4.5 fbg and 8 fbg, at five locations from the exposed underlying soils. Soil sampling locations were based on field observations. Soil samples were collected using a stainless steel hand auger and slide hammer. The hand auger was used to advance the "boring" hole to the approximate desired sample depth. A 1.5-inch diameter stainless steel or brass sample tube was placed into the slide hammer, and advanced into the soil for sample collection. All tubes were sealed with Teflon sheeting and polyurethane caps, and properly documented and stored pending analysis. Analytical results are presented in Table 1 and laboratory reports are included as Appendix D. Excavation and soil sampling locations form the elevator area are shown in Figure 3.

The soil sample results indicated the presence of heavy-chain hydrocarbons in the area of the elevator shaft at approximately 8 fbg. ACEH was contacted by phone to report the situation and discuss options.

On March 15, 2012, construction activities consisted of the installation of new anchors in the elevator shaft pit area. Visibly contaminated soil was observed during the drilling of the anchors. The contaminated soil was segregated and stored on and covered by heavy plastic sheeting pending profiling.

On March 16, 2012, the old elevator shaft plunger was removed. During the plunger's removal, it was observed that several machined holes were present in the shaft and a grayish green liquid was leaking into the shaft hole. The excavation of visibly contaminated soils occurred where feasible. However, additional excavation was limited by the proximity to the building to the north and east and the sidewalk and construction activities to the south and west. Confirmation sampling of the excavation base was not conducted because it was determined from previous sampling that impacted soils would be required to be left in place. Sidewall confirmation samples were inaccessible due to shoring of the elevator pit. Approximately 13 yards of soil were removed, segregated, placed on and covered with heavy plastic pending characterization and disposal. Throughout this additional excavation, air monitoring

was conducted for worker safety and respirators were worn as needed. Appendix E presents photos of the elevator shaft plunger removal and soil excavation.

Due to the possibility that hydraulic fluid or similar heavy oil had leaked from the elevator shaft plunger, ACEH was notified by phone and it was agreed that a work plan should be prepared for determining if downgradient groundwater was impacted. The workplan, entitled *"Additional Groundwater Assessment Work Plan,"* May 4, 2012 was approved by ACEH in a letter dated May 17, 2012. The work consisted of two direct push soil borings for the purpose of collecting groundwater and for screening soil for potential hydrocarbon impact in 1 of the 2 borings. The results indicated that downgradient groundwater had not been impacted and suggested any residual soil contamination from the elevator was confined to within a few feet of the source. The groundwater analytical results are presented in Table 2. A full report entitled *Additional Groundwater Assessment Report for the Alameda Islander Motel located at 2428 Central Ave in Alameda, California;* dated November 5, 2012, was submitted to ACEH and approved in a letter dated December 27, 2012. ACEH correspondence is presented in Appendix A.

5.0 CONCLUSION

The 2012 site redevelopment construction activities were conducted in general accordance with the sites Risk Management Plan as required by ACEH. This included: access control, excavation monitoring with the use of a PID, visual inspection of excavated areas and soils, dust control, stockpile management, stockpile sampling, and sampling, excavation activities and additional investigation at the elevator area. The plan was implemented with coordination from ACEH and the Department was contacted as needed throughout the construction activities.

Investigations and sampling conducted during the constructions activities, all associated with the elevator area; suggest that some residual hydrocarbons remain in Site soils near the elevator shaft. However, groundwater and soil downgradient from the site are not impacted.

FIGURES

NOT TO SCALE

Vicinity Map
2428 Central Avenue
Alameda, California

Figure 1	05/24/11	SES

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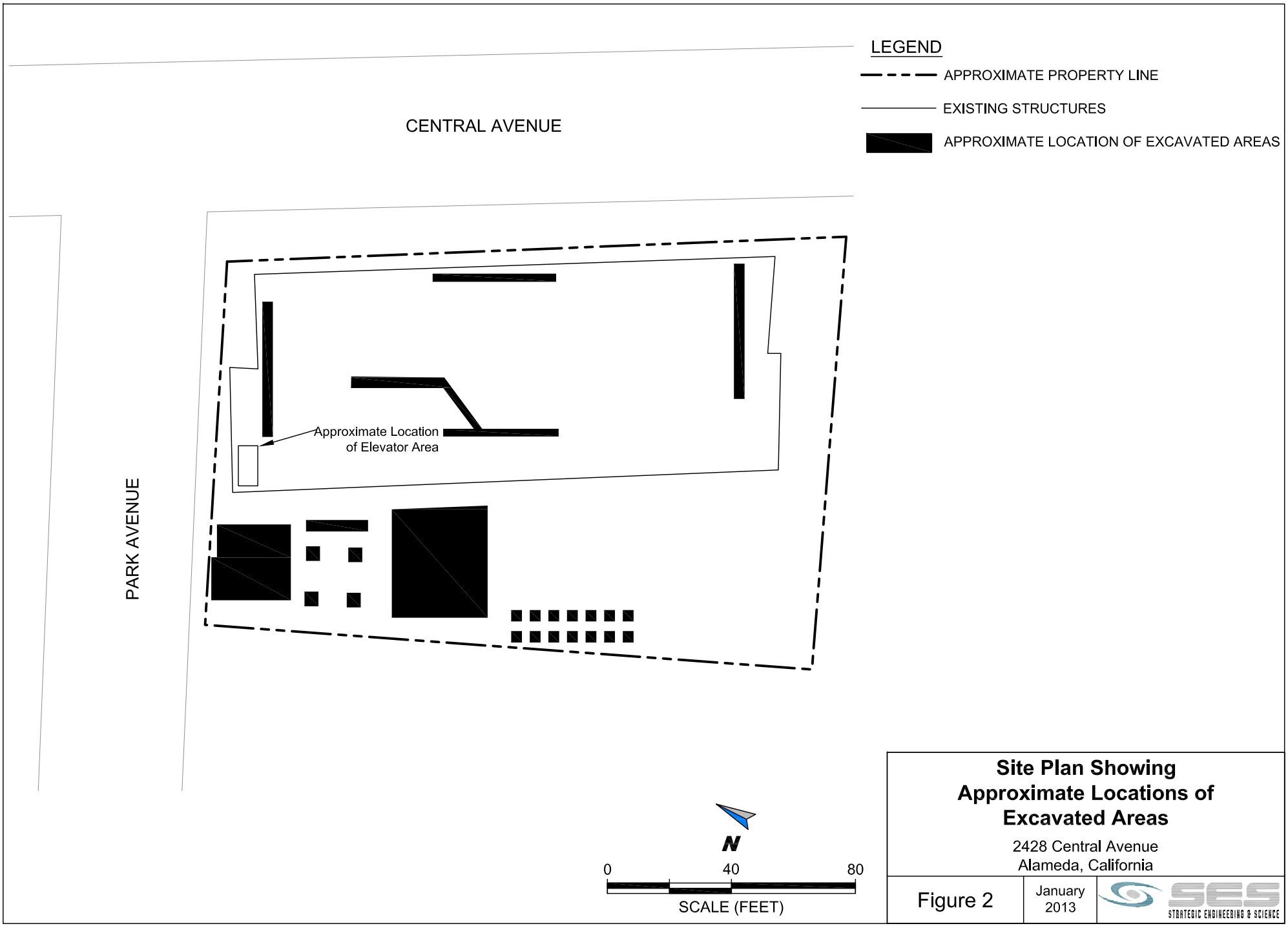

Site Plan Showing Approximate Locations of Excavated Areas

2428 Central Avenue
Alameda, California

Figure 2 | January 2013

SES STRATEGIC ENGINEERING & SCIENCE

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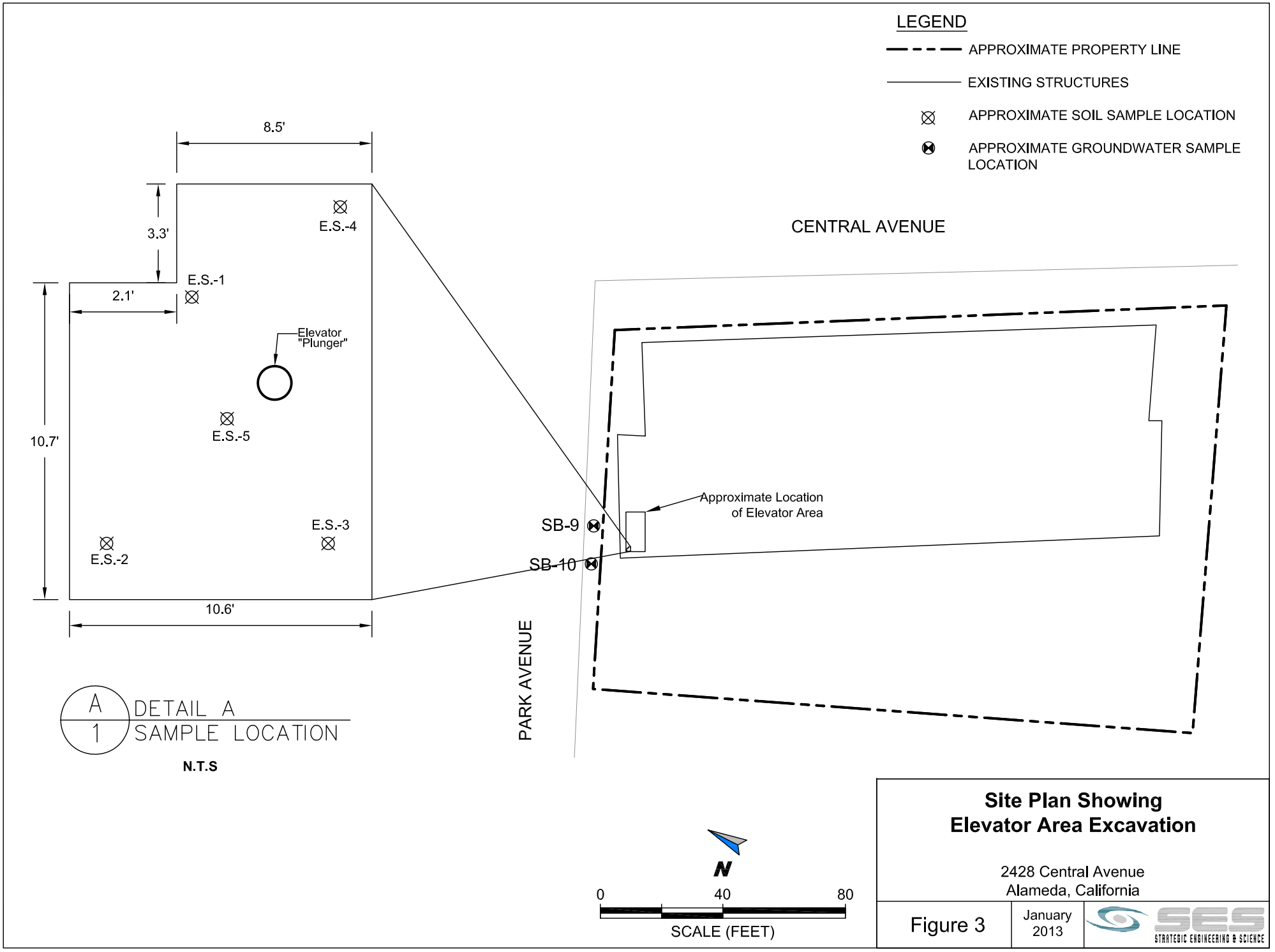

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Site Plan Showing
Elevator Area Excavation

2428 Central Avenue
Alameda, California

Figure 3 | January 2013

SES STRATEGIC ENGINEERING & SCIENCE

TABLES

Table 1

Summary of Elevator Shaft Soil Sample Analytical Results

2428 Central Avenue

Alameda, California

Sample Designation	Date	Sample Depth (fbg)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-MO (mg/kg)	VOCs (mg/kg)	PCBs (mg/kg)
ES-1	03/06/12	8.0	0.14	690	4,900	ND	ND
ES-2	03/06/12	4.5	ND<0.30	ND<0.660	21	ND	ND
ES-2	03/06/12	8.0	0.10	2,500	15,000	ND	ND
ES-3	03/06/12	8.0	ND<0.30	680	4,800	ND	ND
ES-4	03/06/12	4.5	ND<0.30	410	4,500	ND	ND
ES-4	03/06/12	8.0	ND<0.30	1,600	50,000	ND	ND
ES-5	03/06/12	8.0	0.23	ND<667	45,000	ND	ND
Residential CHHSLs			**NE**	**NE**	**NE**	**NA**	**NA**

Notes:

— = not analyzed
fbg = feet below grade
mg/kg = milligrams per kilogram
ND = not detected at or above laboratory detection limits
CHHSLs = California Human Health Screening Levels in Evaluation of Contaminated Properties, January 2005/September 2009
NE = not established
NA = not applicable
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-MO = Total petroleum hydrocarbons as motor oil
VOCs = Volatile organic compounds
PCBs = Polychlorinated biphenyls

Table 2

Summary of Additional Groundwater Investigation Analytical Results

2428 Central Avenue

Alameda, California

Sample Designation	Date	TPH-D (mg/L)	TPH-MO (mg/L)
SB-09 @ 8-13'	09/18/12	ND<0.0476	ND<0.153
SB-09 @ 20-25'	09/18/12	ND<0.0359	ND<0.115
SB-09 @ 30-35'	09/18/12	ND<0.0408	ND<0.131
SB-10 @ 8-13'	09/18/12	ND<0.0574	ND<0.184
SB-10 @ 20-25'	09/18/12	ND<0.0476	ND<0.153
SB-10 @ 30-35'	09/18/12	ND<0.0476	ND<0.153
SB-10 @ 36-41'	09/18/12	ND<0.0359	ND<0.115

Notes:

mg/L = milligrams per liter

ND = not detected at or above laboratory detection limits

TPH-D = Total petroleum hydrocarbons as diesel

TPH-HO = Total petroleum hydrocarbons as hydraulic oil

APPENDIX A

ACEH CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 27, 2012

Debbie Potter
Housing Authority of City of Alameda
701 Atlantic Avenue
Alameda, CA 94501-2161
(*Sent via E-mail to dpotter@ci.alameda.ca.us*)

Brian Saliman
Resources for Community Development
2220 Oxford Street
Berkeley, CA 94704
(*Sent via E-mail to bsaliman@rcdev.org*)

Mr. Robert Stahl
Stahl Woodridge Construction
105 2nd Street, Oakland, CA 94607

Subject: Case File Review for SLIC Case No. RO0003075 and GeoTracker Global ID T10000003048, Alameda Islander Motel, 2428 Central Avenue, Alameda, CA 94601

Dear Ms. Potter, Mr. Saliman, and Mr. Stahl:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanup (SLIC) case file for the subject site including the most recently submitted document entitled, "*Additional Groundwater Assessment Report,"* dated November 5, 2012 (Report). The Report, which was prepared on behalf of the City of Alameda Housing Development by Strategic Engineering & Science, presents results from two soil borings that were advanced on September 18, 2012 to assess whether hydraulic oil is present in groundwater downgradient from the elevator. Upon removal of the elevator "plunger" during construction activities earlier in 2012, hydraulic oil was observed leaking out of holes in the plunger.

Total petroleum hydrocarbons as diesel (TPHd) and TPH as hydraulic oil (TPHho) were not detected at concentrations above reporting limits in any of the seven grab groundwater samples collected from the two downgradient soil borings. The Report concludes that any hydraulic oil that was released from the elevator does not appear to be migrating off-site. Based on results from the two soil borings, no further investigation of hydraulic oil in groundwater appears to be necessary at this time.

In correspondence dated December 21, 2011, ACEH indicated the we have no objections to the proposed redevelopment of the Alameda Islander Motel building and construction of two slab-on grade buildings in the southern portion of the site provided that the procedures described in the "*Risk Management Plan,"* dated November 11, 2011 (RMP) were followed throughout construction. ACEH noted that residual contamination may be encountered during construction. The November 11, 2011 RMP, which was prepared on behalf of the City of Alameda Housing Development by Strategic Engineering & Science, describes protocols for site health and safety, management of excavated materials, and methods necessary to minimize and manage exposure to residual contamination. The RMP also describes the procedures to be followed for sampling and analysis of residual contamination in the elevator area. In correspondence dated May 15, 2012, ACEH requested that results from these construction activities and confirmation sampling be submitted in a report by August 29, 2012. To date we have not received a technical report presenting these results. To demonstrate compliance with the "*Risk Management Plan,"* dated November 11, 2011., we request that you submit a technical report presenting the results of the redevelopment and construction risk management activities and confirmation

soil sampling activities that were conducted during redevelopment of the Alameda Islander Motel building and construction of the two slab-on grade buildings in the southern portion of the site

TECHNICAL COMMENTS

1. **GeoTracker Submittals.** As described in the attached Responsible Party(ies) Legal Requirements/Obligations, all technical reports must be submitted to both the ACEH ftp site and the State Water Resource Control Board (SWRCB) GeoTracker website. Therefore, please claim your site on GeoTracker and upload the Work Plan and all future reports to the GeoTracker website. Pursuant to CCR Sections 2729 and 2729.1, beginning July 1, 2005 for SLIC cases, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports (LUFT or SLIC) is required in GeoTracker (in PDF format). Please upload all reports prepared after July 1, 2005 to the SWRCB's Geotracker database website in accordance with the above-cited regulation no later than February 14, 2013.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **February 14, 2013** – Completion of Uploads to GeoTracker

- **March 14, 2013** – Report on Risk Management Activities and Confirmation Soil Sampling during Site Redevelopment
  File to be named: EX_R_yyyy-mm-dd RO3075

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online at the following website: http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Mark Trevor, Strategic Engineering & Science, 110 11th Street, 2nd Floor, Oakland, CA 94607
(*Sent via E-mail to mtrevor@sesinconline.net*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements. (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 7835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	**REVISION DATE:** July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) require submission of all reports in electronic form to the county's FTP site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
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3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to .loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 3, 2011

Debbie Potter
Housing Authority of City of Alameda
701 Atlantic Avenue
Alameda, CA 94501-2161
(*Sent via E-mail to dpotter@ci.alameda.ca.us*)

Brian Saliman
Resources for Community Development
2220 Oxford Street
Berkeley, CA 94704
(*Sent via E-mail to bsaliman@rcdev.org*)

Mr. Robert Stahl
Stahl Woodridge Construction
105 2nd Street, Oakland, CA 94607

Subject: Review of Risk Management Plan for SLIC Case No. RO0003075 and GeoTracker Global ID T10000003048, Alameda Islander Motel, 2428 Central Avenue, Alameda, CA 94601

Dear Ms. Potter, Mr. Saliman, and Mr. Stahl:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanup (SLIC) case file for the subject site including the recently submitted document entitled, "*Risk Management Plan,"* dated October 19, 2011 (RMP). The RMP, which was prepared on behalf of the City of Alameda Housing Development by Strategic Engineering & Science, describes site conditions and the methods necessary to prevent future exposure to residual contamination.

The technical comments below describe several requested modifications to the RMP. We request that you make the changes requested in the technical comments below and submit a Revised Risk Management Plan **no later than December 16, 2011**.

As discussed in previous correspondence, the proposed future use of the existing three-story motel building for residential housing units is acceptable provided that the first floor of the existing motel building remains a parking garage. Redevelopment of the existing building may proceed using a Revised Risk Management that incorporates the technical comments below. The proposed construction of two slab-on grade buildings southwest of the parking garage above the locations where soil vapor samples SG-1 through SG-4 were collected is also acceptable and may also proceed using a Revised Risk Management that incorporates the technical comments below.

TECHNICAL COMMENTS

1. **Section 1.0 Introduction.** Please revise section 1.0 as follows: "The purpose of this document is to provide a summary of Site conditions and potential human health risks and to outline protocols to be used to provide protection for workers, occupants, and nearby residents ~~in the event of~~ during future construction or excavation activities. Future construction and excavation activities include the planned redevelopment of the existing three-story motel building and construction of two slab-on grade buildings in the southwestern portion of the site as well as any construction or excavation activities that may take place over the long term. This RMP must be provided to the appropriate personnel who will be planning, overseeing, or implementing construction or excavation activities at

the Site. A copy of this RMP is to be maintained at the Site." Additionally, this document will provide a sampling and analysis plan for the elevator area."

2. **Section 5.1.2 General Site Restrictions.** Please add the following to the bulleted list of General Site Restrictions:
    - No Owner or User of the Burdened Property shall grow fruits or vegetables for consumption using site soils. Gardening on the Burdened Property shall only be permitted using imported soil within raised beds that do not allow direct contact between plant roots and the underlying site soil.
    - The foundation of the existing three-story motel building is not to be removed, penetrated, or modified unless the proposed modifications or construction activities are reviewed and approved by ACEH.
    - The first floor of the existing three-story motel building is to remain a parking garage unless a change in usage is reviewed and approved by ACEH.

3. **Section 5.2.1 Notification.** Please replace the text in section 5.2.1 (Notification) with the following text: "ACEH must be notified if any excavation activities take place or the building structures are otherwise modified or if any modifications are proposed that are not consistent with the General Site Restrictions or the Covenant and Environmental Restriction on Property. ACEH will evaluate the proposed changes upon receipt of approved development/construction plans."

4. **Section 5.4.2 Soil Handling Guidelines.** Please add the following to the bulleted list of Soil Handling Guidelines:
    - Any soil showing evidence of potential contamination will be sampled to assess soil handing disposal options. Please see section 5.4.x regarding stockpile soil sampling protocols.
    - Contaminated soil shall not be reused in landscaped areas of the site. Any soil showing evidence of potential contamination shall not be reused at the Site unless approved by ACEH.

5. **Section 5.4 Stockpile Soil Sampling.** Please add a subsection to section 5.4 to discuss criteria for sampling of soil showing evidence of contamination. The section should briefly describe the sampling methods and analyses and indicate that waste profiling for off-site disposal will include profiling criteria set forth by the disposal facility.

6. **Section 5.4 Contaminated Soil Disposal, Loading, and Transport.** Please add a subsection to section 5.4 on disposal, loading, and transport of contaminated soil.

7. **Section 5.4 Storm Water Control.** Please add a subsection to section 5.4 on Best Management Practices for storm water control.

8. **Section 5.4 Minimizing Soil and Groundwater Contact by Construction Workers.** Please add the following subsection to section 5.4 on minimizing soil and groundwater contact by construction workers: "Existing data indicate that petroleum hydrocarbons are present in soil and groundwater beneath the site as described in sections 2.0 and 3.0. Shallow groundwater has typically been encountered at depths of 6 to 10 feet below ground surface.

Contaminated soil and groundwater may be encountered during future construction or excavation work. The construction and/or excavation contractor shall develop and implement a site-specific health and safety plan to mitigate risks associated with exposure to contaminated soil and groundwater. Examples of health and safety measures are monitoring and the use of protective clothing. Engineering controls should be used wherever feasible to minimize direct contact by workers with contaminated soil and groundwater."

9. **Section 6.3 Soil Analysis.** For the proposed soil sampling in the area of the elevator, we request that you also include analysis for total petroleum hydrocarbons as motor oil using EPA Method 8015.

10. **Covenant and Environmental Restriction on Property.** Following completion of the RMP, a Covenant and Environmental Restriction on Property will be necessary to prevent potential future exposure to residual contamination remaining in portions of the site. On October 31, 2011, we received a draft version of the Covenant and Environmental Restriction on Property from Mr. Brian Saliman. Comments and requested revisions to the draft Covenant and Environmental Restriction on Property will be provided separately by electronic mail.

11. **GeoTracker Submittals.** As described in the attached Responsible Party(ies) Legal Requirements/Obligations, all technical reports must be submitted to both the ACEH ftp site and the State Water Resource Control Board (SWRCB) GeoTracker website. Therefore, please claim your site on GeoTracker and upload the Work Plan and all future reports to the GeoTracker website. Pursuant to CCR Sections 2729 and 2729.1, beginning July 1, 2005 for SLIC cases, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports (LUFT or SLIC) is required in GeoTracker (in PDF format). Please upload all reports prepared after July 1, 2005 to the SWRCB's Geotracker database website in accordance with the above-cited regulation.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **December 16, 2011** – Revised Site Management Plan

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Mark Trevor, Strategic Engineering & Science, 110 11th Street, 2nd Floor, Oakland, CA 94607
(*Sent via E-mail to mtrevor@sesinconline.net*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

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Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
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SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 17, 2012

Debbie Potter
Housing Authority of City of Alameda
701 Atlantic Avenue
Alameda, CA 94501-2161
(*Sent via E-mail to dpotter@ci.alameda.ca.us*)

Brian Saliman
Resources for Community Development
2220 Oxford Street
Berkeley, CA 94704
(*Sent via E-mail to bsaliman@rcdev.org*)

Mr. Robert Stahl
Stahl Woodridge Construction
105 2nd Street, Oakland, CA 94607

Subject: Conditional Work Plan Approval for SLIC Case No. RO0003075 and GeoTracker Global ID T10000003048, Alameda Islander Motel, 2428 Central Avenue, Alameda, CA 94601

Dear Ms. Potter, Mr. Saliman, and Mr. Stahl:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanup (SLIC) case file for the subject site including the recently submitted document entitled, "*Additional Groundwater Assessment Work Plan,"* dated May 4, 2012 and received by ACEH on May 15, 2012 (Work Plan). The Work Plan, which was prepared on behalf of the City of Alameda Housing Development by Strategic Engineering & Science, was prepared in response to observations of oil leaking from holes in a hydraulic elevator plunger. The purpose of the investigation is to assess whether hydraulic oil is present in groundwater downgradient from the elevator. Collection of depth-discrete grab groundwater samples from three borings is proposed in the Work Plan.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are incorporated during implementation of the proposed investigation. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below

TECHNICAL COMMENTS

1. **Soil Sampling.** We request that one of the two proposed borings be continuously sampled for logging and screening purposes to the total depth of the boring. Soil samples are to be visually logged in the field for soil type, color, moisture content, odor, and other observed features and screened with a photoionization (PID) detector. We request that soil samples be collected for laboratory analysis from any interval where staining, odor, or elevated PID readings are observed. If no staining, odor, or elevated PID readings are observed, collection of soil samples for laboratory analysis is not required and the analysis of grab groundwater samples at 10-foot intervals is acceptable. If soil samples are collected for laboratory analysis, the soil samples are to be analyzed for TPH as diesel and TPH as hydraulic oil using EPA Method 8015. Please present boring logs, screening results, and analytical data in the Site Investigation Report requested below.

2. **GeoTracker Submittals.** As described in the attached Responsible Party(ies) Legal Requirements/Obligations, all technical reports must be submitted to both the ACEH ftp site and the State Water Resource Control Board (SWRCB) GeoTracker website. Therefore, please claim your site on GeoTracker and upload the Work Plan and all future reports to the GeoTracker website. Pursuant to CCR Sections 2729 and 2729.1, beginning July 1, 2005 for SLIC cases, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports (LUFT or SLIC) is required in GeoTracker (in PDF format). Please upload all reports prepared after July 1, 2005 to the SWRCB's Geotracker database website in accordance with the above-cited regulation.

TECHNICAL REPORT REQUEST

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- **August 29, 2012** – Site Investigation Report and Elevator Area Excavation and Soil Sampling Report

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

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Senior Hazardous Materials Specialist

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   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

DAILY FIELD REPORTS

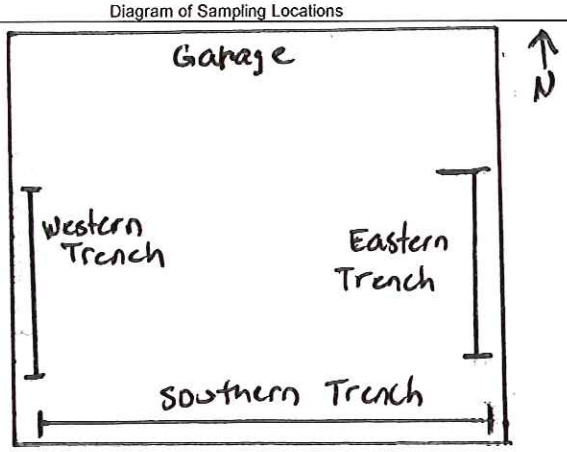
SES STRATEGIC ENGINEERING & SCIENCE
110 Eleventh Street
2nd Floor
Oakland, CA 94607
Ph: 510.451.1761
Fx: 510.451.1150

DAILY FIELD LOG

Date 1-25-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer Steve Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions Cloudy

Field Observations: On-site @ 8:15
Meet w/Tom from Jos. J Albanese Inc. & Rich Kenney of Branagh
8:41 Start digging
1010 western Trench Complete
1240 start southern Trench @ East End
1504 start Eastern Trench
1530 stop work Leave site

Diagram of Sampling Locations



Air Monitoring

Sample Time	Sample Location	PID (PPM)	LEL	NOTES
841	(S) end (W) Trench	0.0		
900	" "	0.0		
915	W Trench - surface	0.0		No visible staining
915	W Trench	0.0		
930	W Trench - surface	0.0		
930	W Trench	0.0		
945	W Trench - Sur	0.0		
945	W Trench	0.0		
10:00	W Trench - Sur	0.0		
10:00	W Trench	0.0		North end
1150	W Trench - Sur	0.0		
1150	W Trench	1.3		
1255	S Trench - Sur	0.0		No visible staining
1255	S Trench	0.0		
1315	S Trench - Sur	0.0		
1315	S Trench	0.0		

Was Work Completed? yes / no If not, what additional work remains?

1-25-12

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
1330	S.T. Sur	0.0		
1330	S.T.	0.0		
1345	S.T. Sur.	0.0		
1345	S.T.	0.0		
1400	S.T. Sur.1	0.0		
1400	S.T.	0.0		
1415	S.T. Sur.	0.0		
1415	S.T.	0.0		
1515	E.T. Sur.	0.0		start of E. Trench
1515	E.T.	0.0		No visible staining

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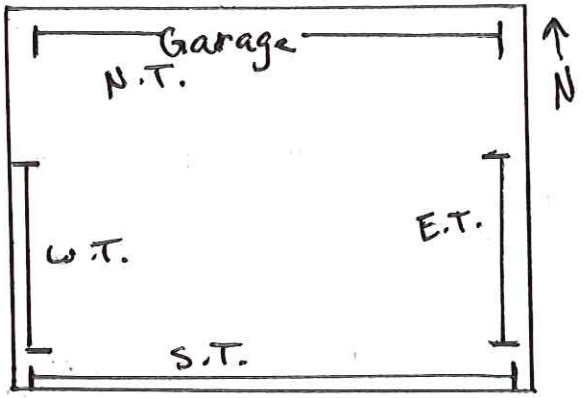
DAILY FIELD LOG

Date 1-26-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions cloudy

Field Observations: onsite @ 7:00
7:11 start eastern trench
9:02 E.T. done
1133 start N.T.
1308 Scott Walker Treadwell & Rollo on-site
1520 stop work off-site

Diagram of Sampling Locations



Air Monitoring

Sample Time	Sample Location	PID (PPM)	LEL	NOTES
711	E.T. Sur	0.0		No evidence
711	E.T.	0.0		of staining
711	W.T.	0.0		
711	S.T.	0.0		
730	E.T. Sur.	0.0		
730	E.T.	0.0		
745	E.T. Sur.	0.0		
745	E.T.	0.0		
800	E.T. Sur.	0.3		
800	ET.	0.1		
815	E.T. Sur.	0.1		
815	E.T.	0.2		
830	E.T. Sur	0.1		
830	E.T.	0.1		
845	E.T. Sur.	0.1		
845	E.T.	0.1		
900	E.T. Sur.	0.3		
900	E.T.	0.3		
1100	W.T.	1.5		Generator near
1100	S.T.	0.7		

Was Work Completed? yes / no If not, what additional work remains? _____

1-26-12

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
1100	E.T.	0.8		
1140	N.T. sur.	1.4		equipment i
1140	N.T.	1.3		spray paint
1154	N.T. sur.	0.4		
1154	N.T.	0.4		
1300	N.T. sur.	0.7		
1300	N.T.	0.7		
1308	N.T. sur.	0.4		
1308	N.T.	0.5		
1330	N.T. sur	0.3		
1330	N.T.	0.3		
1345	N.T. sur.	0.3		
1345	N.T.	0.4		
1400	N.T. sur.	0.3		
1400	N.T.	0.3		
1434	N.T sur.	1.7		
1434	N.T.	0.7		
1447	N.T. sur.	0.2		
1447	N.T.	0.3		
1505	N.T. sur.	0.2		
1505	N.T.	0.1		

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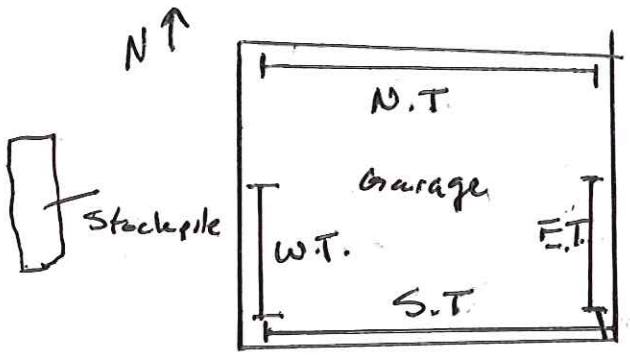
DAILY FIELD LOG

Date 1-27-12 Project Number 239/06
Project Name Alameda Islands Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions sun/cloudy

Field Observations: 0700
on-site
0730 Measure soil stockpile ≈ 40'x12' x 6'
0810 N.T dome
0815 collect comp soil sample
0815 Pouring concrete W.T., N.T.
1030 off site

Diagram of Sampling Locations



Air Monitoring

Sample Time	Sample Location	PID (PPM)	LEL	NOTES
705	N.T	0.0		
705	S.T.	0.0		
705	E.T.	0.0		
705	W.T.	0.0		
815	W.T.	0.2		
840	N.T.	0.5		
845	S.T.	0.1		
900	E.T.	0.1		
905	N.T.	0.3		
930	N.T	0.2		
930	W.T	0.0		
930	E.T	0.0		
930	S.T	0.0		
1015	N.T.	0.1		
1015	W.T.	0.0		
1015	E.T.	0.0		
1015	S.T.	0.0		

Was Work Completed? yes / no If not, what additional work remains? _____

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DAILY FIELD LOG

Date 2-13-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer S Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions Overcast

Field Observations:

805 Arrive on site
No operator
932 start digging
Working in small area N.W. corner
Soil appears to have no staining or odor
1100 Equipment down
1200 Resume digging
1300 off-site

Diagram of Sampling Locations

Air Monitoring

Sample Time	Sample Location	PID (PPM)	LEL	NOTES
944	N.T. Sur.	0.0		
944	N.T.	0.0		
952	N.T. sur.	0.0		
952	N.T.	0.0		
1230	N.T. Sur	0.0		
1230	N.T.	0.0		
1315	N.T. sur	0.1		
1315	N.T.	0.1		

Was Work Completed? yes / no If not, what additional work remains? ______

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Oakland, CA 94607
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Fx: 510.451.1150

DAILY FIELD LOG

Date 2-29-12 Project Number 239106
Project Name Alameda Islander Field Geologist/Engineer S. Kennitz
Reason for Site Visit Air Monitoring
Weather Conditions Sunny / Cloudy

Field Observations:

0800 on-site

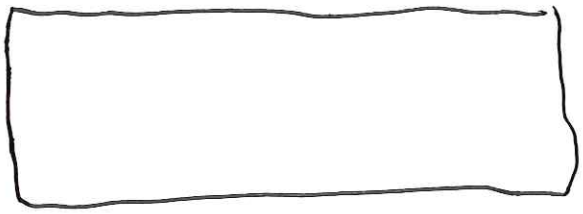
1000 start drilling anchors

1050 drilling complete

1100 Attempt to Jackhammer through concrete to get soil sample from elevator shaft. Can't get through

1300 leave site

Diagram of Sampling Locations



Northern Trench (Western Portion)

Air Monitoring

Sample Time	Sample Location	PID (PPM)	LEL	NOTES
1000	N.T. Sur	0.0		
1000	N.T.	0.0		
1030	N.T. Sur	0.0		
1030	N.T.	0.0		

Was Work Completed? yes / no If not, what additional work remains? _____

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DAILY FIELD LOG

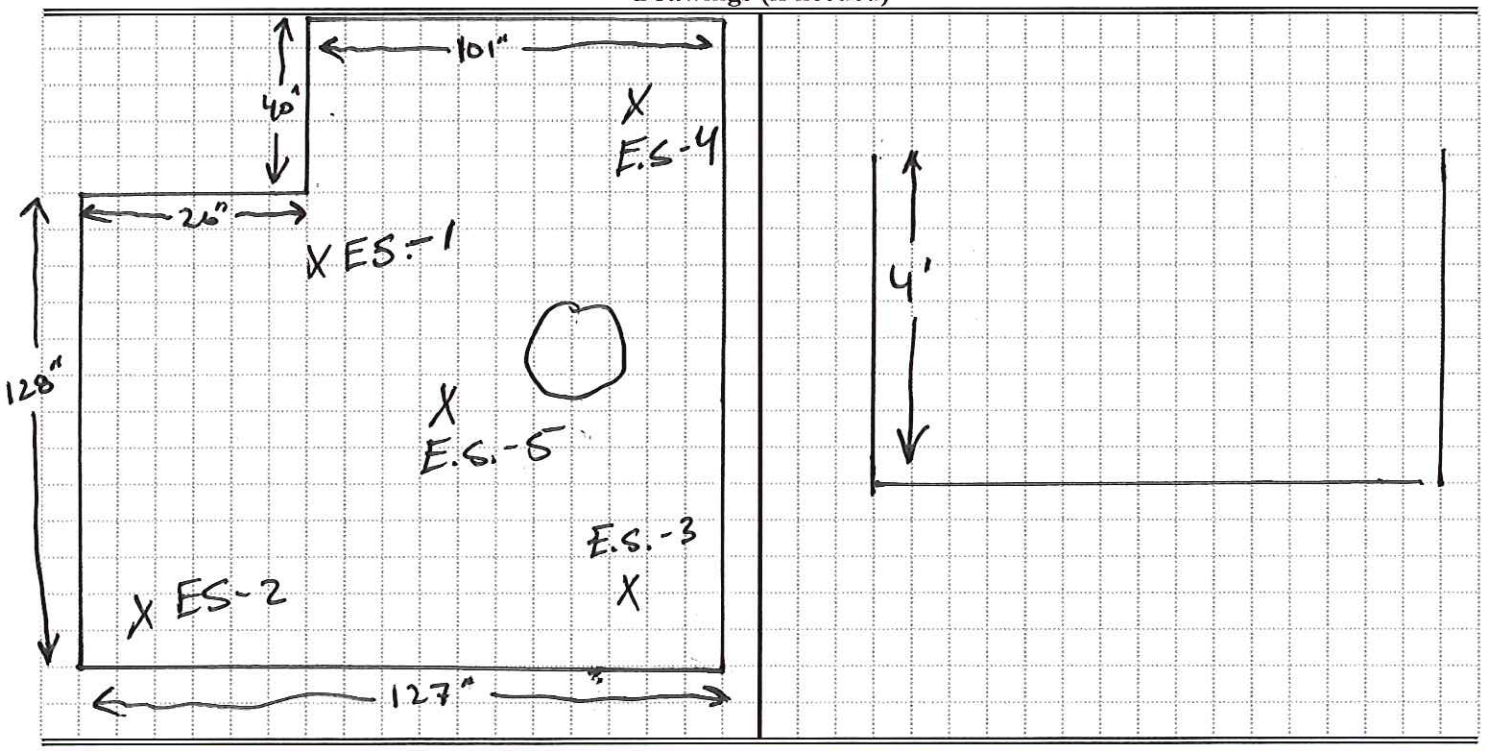
Date 3-6-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Soil sample Elevator shaft
Weather Conditions Sunny

Field Observations/Notes:

11:30 Arrive on-site Hand Auger sample points
1145 sample ES-1 @ 0.5
1205 sample ES-1 @ 4
1211 sample ES-2 @ 0.5
1218 sample ES-2 @ 4
1223 sample ES-3 @ 0.5
1230 sample ES-3 @ 4
1237 sample ES-4 @ 0.5
1245 sample ES-4 @ 4
1252 sample ES-5 @ 0.5
1301 sample ES-5 @ 4

All sample appear "clean" from surface to ~2.5-3 fbg. @ ~3 fbg heavy Oil smell greyish appearance in all samples
1330 Leave site
1400 Arrive @ office - Pack samples, COC, Paperwork 4:30 Done

Drawings (if needed)



Was Work Completed? yes / no If not, what additional work remains? _____

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DAILY FIELD LOG

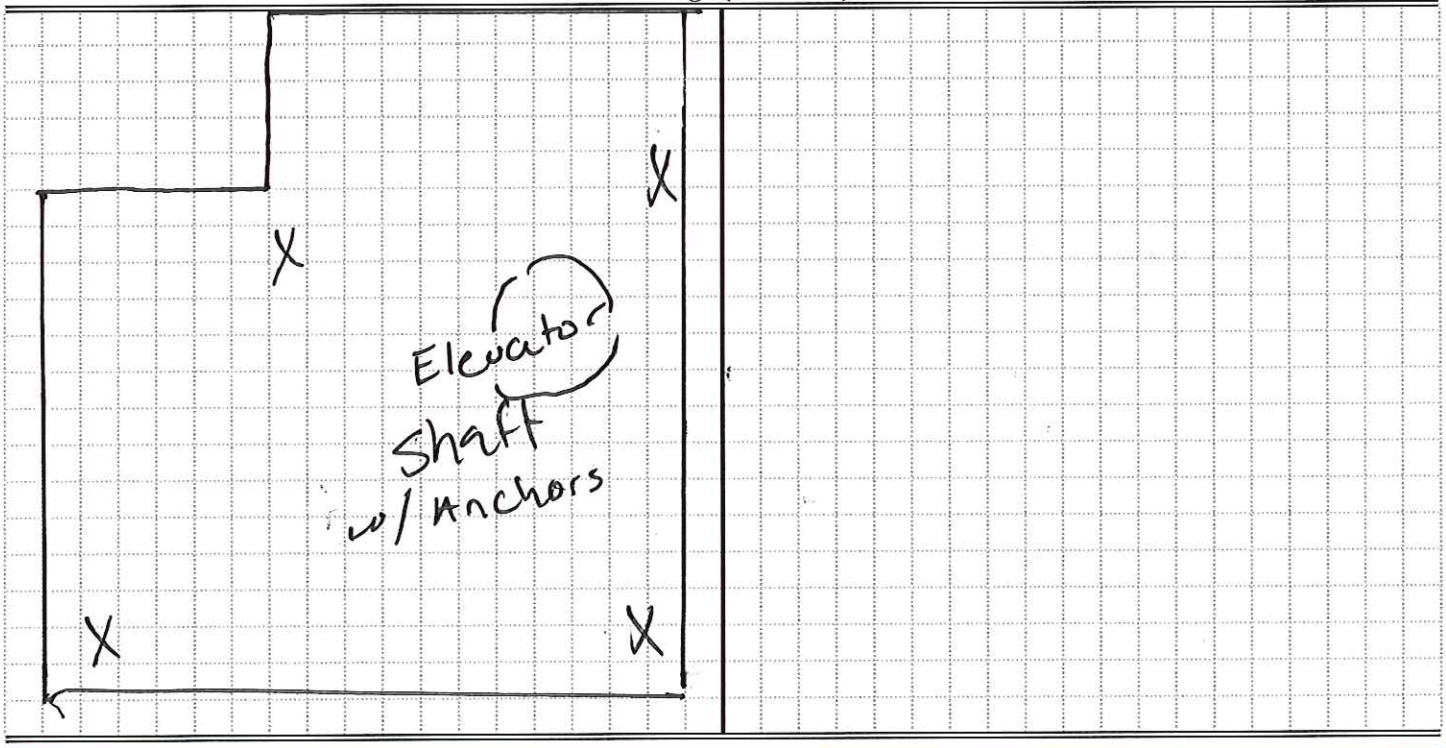
Date 3-15-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions Rain

Field Observations/Notes:

0750 Arrive on-site
0805 Equipment on-site
0900 Start drilling Anchors in elevator shaft
0905 Require in-hole workers to wear respirators
1300 Respirators can be removed
1400 off-site

See pg. 2 Air Monitoring

Drawings (if needed)



Was Work Completed? yes / no If not, what additional work remains? pg. 1 of 2

3-15-12

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
0808	E.S. Sur.	2.5	0	
0808	E.S	2.5	0	
0900	E.S. Sur.	11.5	0	
0900	E.S.	12.3	0	over trigger need resp.
0920	E.S. Sur.	14.0	0	
0920	E.S.	15.9	0	
1000	E.S. Sur.	24.3	0	
1000	E.S.	19.2	0	
1018	E.S. Sur.	22.3	0	
1018	E.S.	22.5	0	
1100	E.S. Sur.	18.3	0	
1100	E.S.	18.6	0	
1125	E.S. Sur.	16.2	0	
1125	E.S.	14.3	0	
1205	E.S Sur.	12.4	0	
1205	E.S.	11.8	0	
1225	E.S. Sur.	7.7	0	
1225	E.S.	8.2	0	
1301	E.S. Sur.	4.6	0	resp. off
1301	E.S.	4.8	0	
1346	E.S. Sur.	3.9	0	
1346	E.S.	2.9	0	
~~1400~~				
1400				

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DAILY FIELD LOG

Date 3-16-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer Steve Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions Rainy

Field Observations/Notes: 0730 Arrive on site. Spoke w/ Tom from Jos. J Albanese about work.
810 Work begins - PID above trigger level however no one in E.S. Contractor Pulls out elevator plunger. ≈ 40 ft Long x 10 in diameter holes all along length. Plunger full of water. Approx. 1/2 gall of heavy oil spills out into elev. shaft.
0910 Call SES spoke w/ M. Bazargami. Told to remove all impacted soil practical. Contaminated soil put in 55 gal drum. No one in E.S.
0920 Removal of impacted soil, placed in 55 gal drum (1/2 filled) Elevator plunger shaft slufted in, most of shaft filled w/ sands
Wood beams placed along walls of E.S.
0300 off-site

Drawings (if needed)

Was Work Completed? yes / no If not, what additional work remains? _____

316-12

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
0730	E.S. Sur	0.5	0	
0730	E.S.	0.6	0	
0810	E.S. surf	14.6	0	Equipment
0810	E.S.	9.1	0	
0910	Surfac	5.4	0	
0910	E.S.	6.3	0	
1000	surface	9.8	0	
1000	E.S.	8.5	0	
1040	Sur	5.5	0	
1040	E.S.	7.1	0	
1119	surface	7.7	0	
1119	E.S.	7.9	0	
1150	surface	5.9	0	
1150	E.S.	7.2	0	
1240	surface	6.6	0	
1240	E.S.	7.5	0	
1345	surface	3.9	0	
1345	E.S.	4.1	0	
1430	surface	3.8	0	
1430	E.S.	3.8	0	

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DAILY FIELD LOG

Date 3-26-12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Soil stockpile sampling
Weather Conditions over cast

Field Observations/Notes:

1200 Arrive on-site
stockpile ≈ 25 Long x 5 wide x 3.5 high
1237 Collect 4 point composit

1250 off-site

Drawings (if needed)

Was Work Completed? yes / no If not, what additional work remains? _____

SES
STRATEGIC ENGINEERING & SCIENCE

CHAIN OF CUSTODY RECORD

110 11th Street, 2nd Floor
Oakland, California 94607
Phone 510.451.1761
Fax: 510.451.1150

Project Name: Alameda Islander
Job No.: 239
Report To: S. Kemnitz
Sampler (print): Steve Kemnitz
Sampler (signature): Steve Kemnitz

Electronic Deliverable Format Required: ☐ YES ☐ NO
EDF LOGCODE: ☐ LAMV ☐ LAO ☐ LAF
Global ID # :

Turnaround Requirements
- ☐ 5 Working Days
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 2-3 Hours RUSH
- ☒ STD

QC Requirement:
☒ Level A (standard)

ANALYSES REQUESTED

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas	Total Oil and Grease	VOCs	SVOCs	Organochlorine Pesticides (8081)	Metals	PCBs	TPH-D	BTEX	LUFT 5 metals			Remarks
SP-2 (A-D)	3-26-12	1237		Soil	4	X							X	X	X			Compost

Relinquished By: Steve Kemnitz	Date: 3-27-12	Time:	X Received By:	Date: 3/27/12	Time: 1200pm
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Lab of Record:		
			Received by Lab:	Date:	Time:

PM Initial:
Temp:

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Oakland, CA 94607
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DAILY FIELD LOG

Date 4-4-12 Project Number 239/06
Project Name Alameda Island Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions

Field Observations: Rich Kinney called @ 8:30 saying drilling started @ 7:00 (no prior warning) said only 1 more hour. @ 1:30 still drilling MOB to site no time to get equip. 2:30 observe workers putting drill cuttings back into hole. Had them stop. Stockpiled soil. @ 3:30 offsite

Not work 4/5/12

Diagram of Sampling Locations

Robert Teverbaugh Drilling
Drilled down 29ft. to install new elevator plunger

Air Monitoring

Sample Time	Sample Location	PID (PPM)	LEL	NOTES

Was Work Completed? yes / no If not, what additional work remains?

DAILY FIEDL REPORT

Report Sequence No.: DFR-

PROJECT: Alameda, Islander
LOCATION: Alameda, CA PROJECT NO.: 239 TASK NO.: 06
DESCRIPTION: South west grading CONTRACTOR: Branagh Inc
DAY OF WEEK: Tuesday DATE: DAY: 24 MONTH: July YEAR: 2012
WEATHER: Sunny

TIME	ACTIVITY
8:30	Arrived to site.
8:45	Talk to Rich Kenny (Branagh) about the activities for the day. He told me that the equipment (grading) will be on site around 11:00 am.
9:20	Talk to Rich (Branagh) and Paco (JJ Albanese) about the work planed for the day. Paco told me that they will be grading the south west part over of the old parking lot.
11:03	Equipment on site.
15:30	Grading activities done for the day
16:00	Left site

Hugo Vazquez _____ Copy to:_____ Hours: 7.5
Printed Name Signature

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DAILY FIEDL REPORT

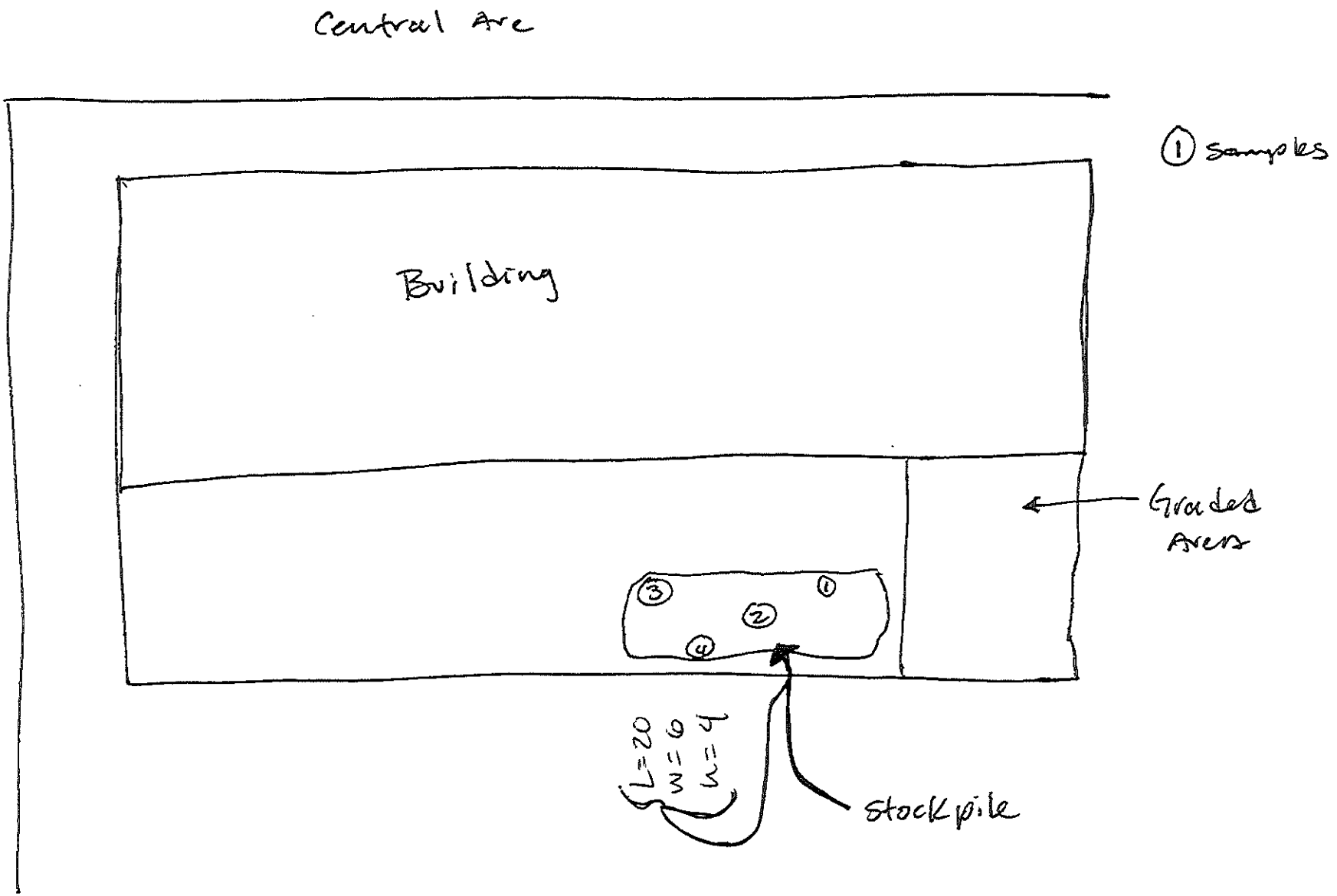
Report Sequence No.: DFR-

PROJECT: Alameda, Islander 06
LOCATION: Alameda, CA PROJECT NO.: 239 TASK NO.: [redacted]
DESCRIPTION: Grading SW Area CONTRACTOR: Branagh Inc
DAY OF WEEK: Wednesday DATE: DAY: 25 MONTH: July YEAR: 2012
WEATHER: Sunny

TIME	ACTIVITY
7:30	Arrived to site
8:30	Paco from JJ Albanese on site to continue with grading activities at the southwest part of old parking lot.
11:40	Grading activities done at the southwest part of old parking lot.
12:30	finished sampling stock pile, left site.
12:59	Gave [redacted] samples to courier for lab drop off.

Hugo Vazquez _____ Copy to:_____ Hours: 6.5
Printed Name Signature

7/25/12 Samples Stockpile



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DAILY FIELD LOG

Date 8/1/12 **Project Number** 239/06
Project Name Alameda Islander **Field Geologist/Engineer** S. Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions Sunny

Field Observations:

0900 Arrive onsite. Contractor digging utility trench in old parking area near elevator. Installing piping.

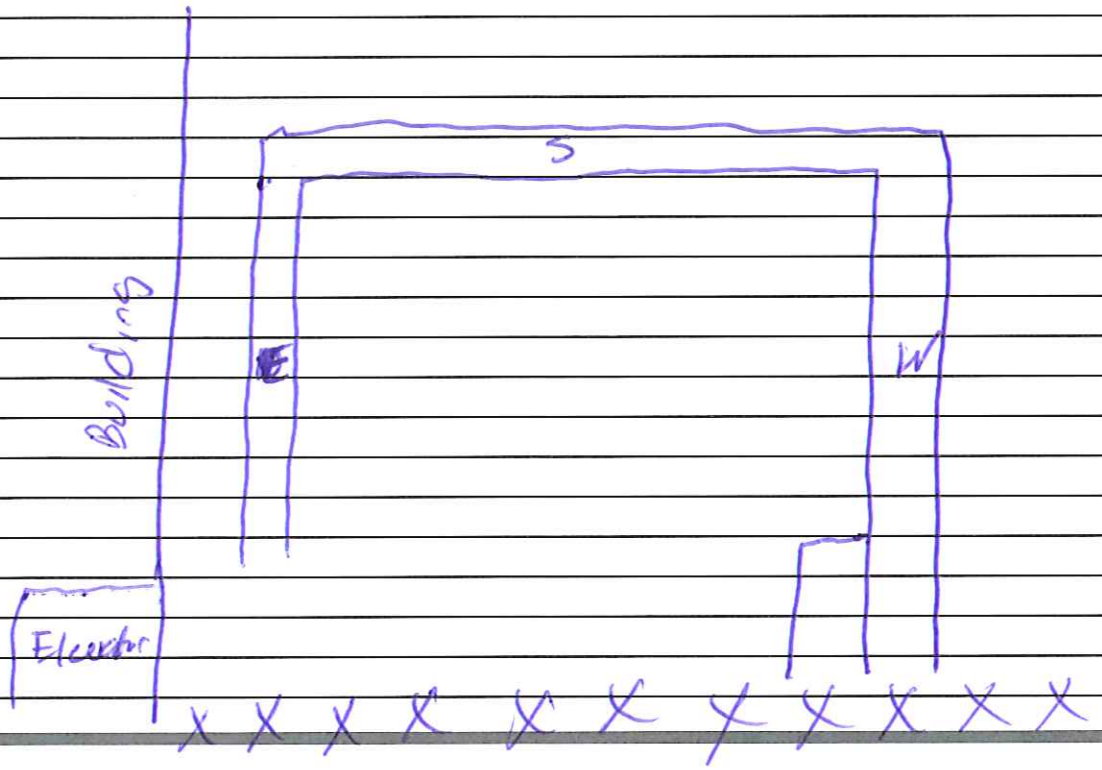
* See Attached page for Air Monitoring results

1120 Eastern portion of trench backfilled

12:00 - 12:40 compaction on backfilled area

1250 Hydraulic hose on excavator broken

3:00 Leave site - contractor unable to find replacement hose. Resume tomorrow.



Was Work Completed? yes / no **If not, what additional work remains?** _____

8/01/12

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
910	W Trench	0	0	
945	W & S Trench	0	0	
1000	W & S Trench	0	0	
1015	W & S Trench	0	0	
1030	W & S Trench	0	0	
1045	W & S Trench	0	0	
1100	W & S Trench	0	0	
1115	W & S Trench	0	0	
1130	S Trench	0	0	
1240	S Trench	0	0	
1255	S Trench	0	0	

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DAILY FIELD LOG

Date 8/2/12 Project Number 239/06
Project Name Alameda Islander Field Geologist/Engineer S. Kemnitz
Reason for Site Visit Air Monitoring
Weather Conditions

Field Observations:

0700 Arrive on-site
Resume trenching *See Attached for Air Monitoring Results
0815 Digging completed however trench still open with work gang on inside
1200 Backfill trench
1300 Leave site

Was Work Completed? yes / no If not, what additional work remains?

8/02/12

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
0715	S.W Trench	0	0	
0730	S.W Trench	0	0	
0745	S.W Trench	0	0	
0800	S.W Trench	0	0	
0815	S.W Trench	0	0	
0830	S.W Trench	0	0	
0845	S.W Trench	0	0	
0900	S.W Trench	0	0	
0930	S.W Trench	0	0	
1000	S.W Trench	0	0	
1030	S.W Trench	0	0	
1100	S.W Trench	0	0	
1130	S.W Trench	0	0	
1200	W Trench	0	0	
1230	W Trench	0	0	

SES STRATEGIC ENGINEERING & SCIENCE

DAILY FIEDL REPORT

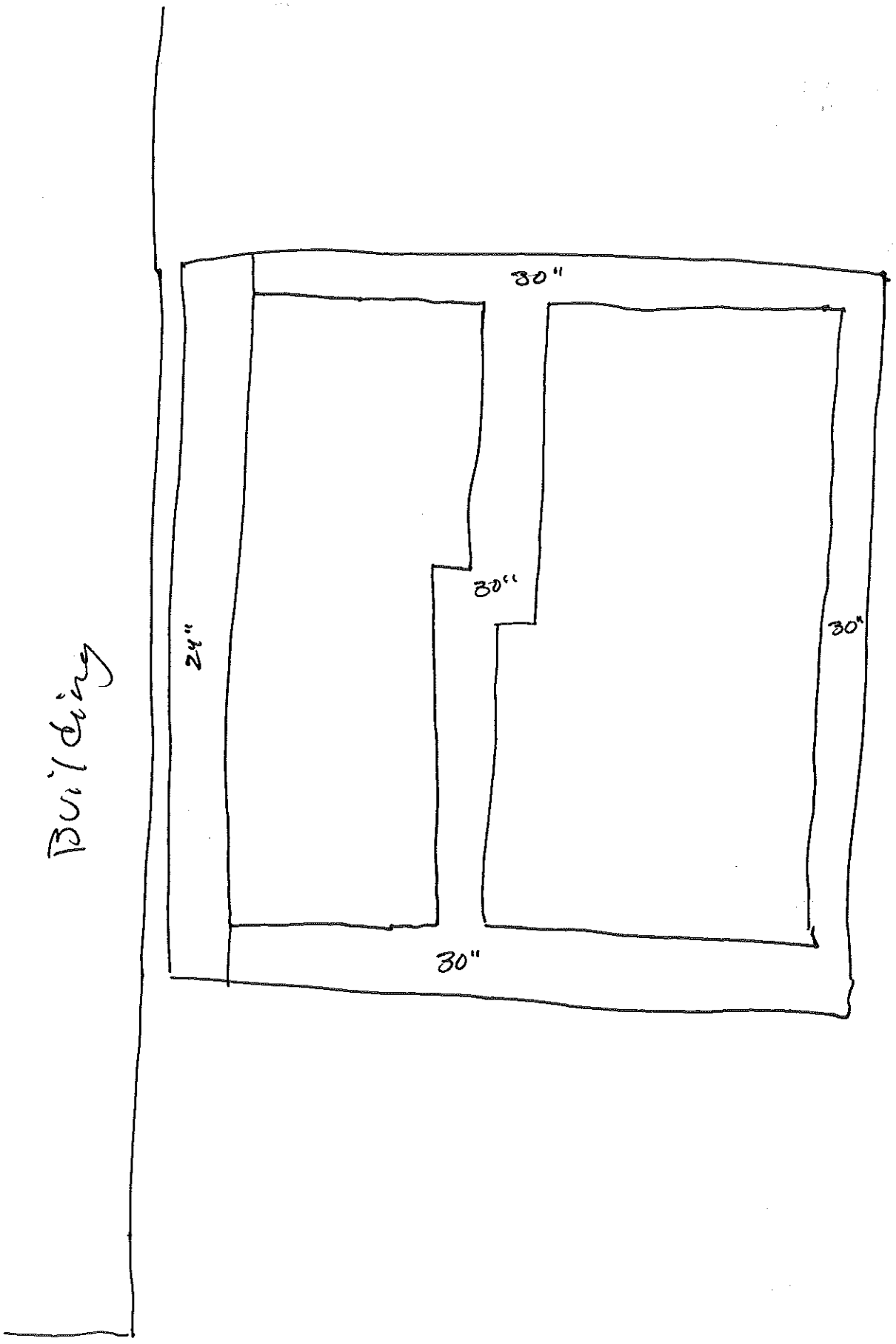
Report Sequence No.: DFR-

PROJECT: Alameda, 1&Lander
LOCATION: Alameda, CA PROJECT NO.: 239 TASK NO.: 06
DESCRIPTION: Excavation East Footing CONTRACTOR: Branagh Inc
DAY OF WEEK: Thursday DATE: DAY: 16 MONTH: August YEAR: 2012
WEATHER: Sunny

TIME	ACTIVITY
7:30	Arrived to site.
8:00	Albanese starting to excavate east footing.
8:30	check soil [redacted] and trench with PID (see attached sheet for results).
14:20	Excavation concludes.
14:32	Left site.

Hugo Vazquez _____ Copy to:_____ Hours: 6
Printed Name Signature

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
9:30	W Trench	0.1	0	
9:45	W Trench	0.5	0	
9:50	W Trench	0.7	0	
10:00	W Trench	0.1	0	
10:15	W Trench	1.2	0	
10:25	E Trench	0.7	0	
10:40	E Trench	0.9	0	
10:55	E Trench	0.1	0	
11:05	E Trench	0.1	0	
11:19	E Trench	0.0	0	
11:35	S Trench	0.0	0	
11:45	S Trench	0.1	0	
11:50	S Trench	0.1	0	
12:15	S Trench	0.1	0	
12:35	S Trench	0.0	0	
13:01	N Trench	0.1	0	
13:16	N Trench	0.0	0	
13:29	N Trench	0.1	0	
13:40	N Trench	0.1	0	
13:55	N Trench	0.0	0	


30"
30"
24"
30"
30"
Building
street

DAILY FIEDL REPORT

Report Sequence No.: DFR-

PROJECT: Alameda, Islander

LOCATION: Alameda, CA PROJECT NO.: 289 TASK NO.: 06

DESCRIPTION: Excavation West footing CONTRACTOR: Branagh Inc

DAY OF WEEK: Monday DATE: DAY: 20 MONTH: August YEAR: 2012

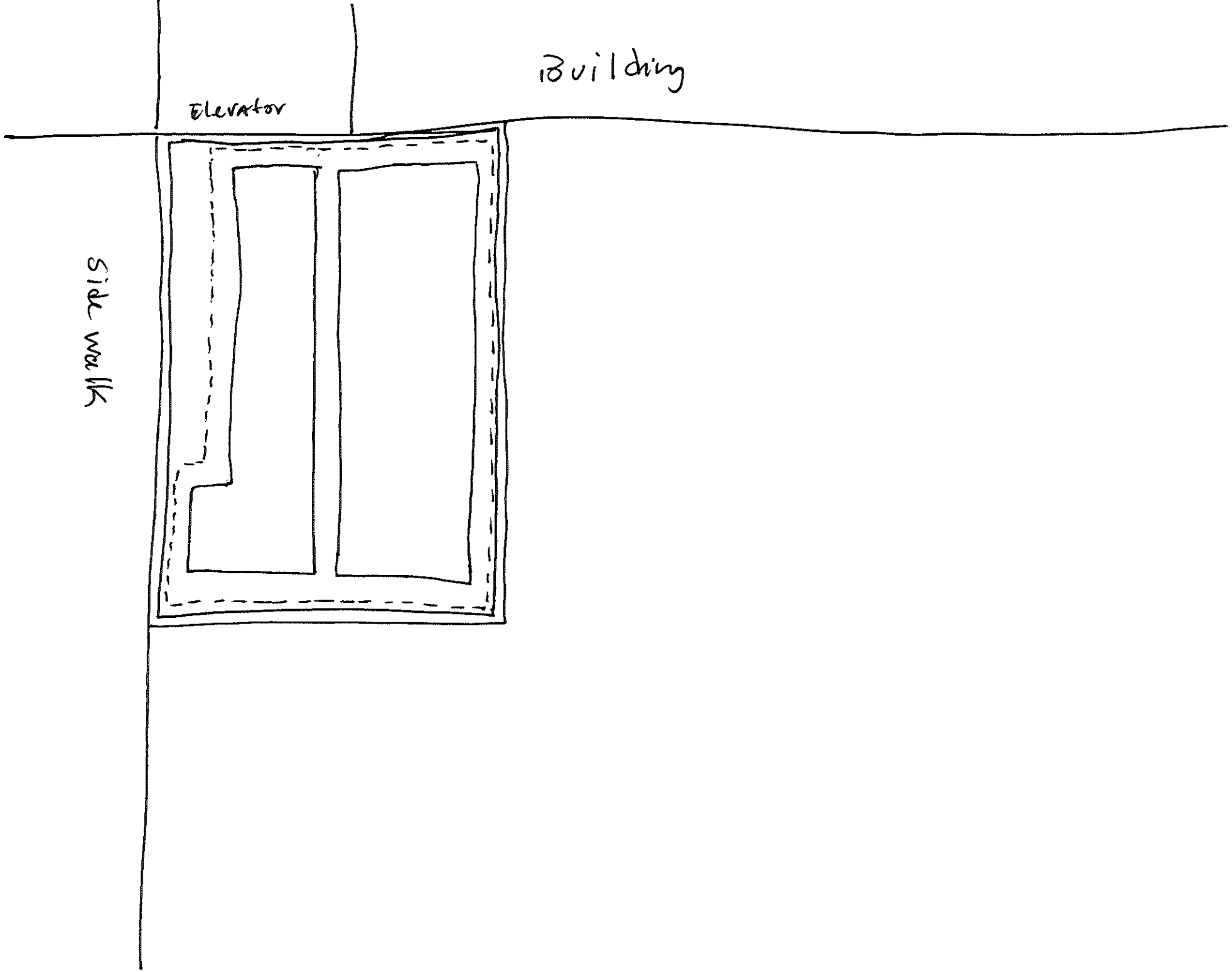
WEATHER: Sunny

TIME	ACTIVITY
7:20	Arrived to site.
8:00	Albanese started to excavate west footing.
8:30	check soil & trench with PID (see attached sheet for results).
14:10	Excavation concluded.
14:30	Left site.

Hugo Vazquez _____ Copy to:_____ Hours: 6

Printed Name Signature

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
8:30	WT	0.1	0	
8:45	WT	0.1	0	
8:50	WT	0.0	0	
9:00	WT	0.1	0	
9:15	WT	0.1	0	
9:25	ET	0.3	0	
9:40	ET	0.2	0	
9:50	ET	0.1	0	
10:03	ET	0.1	0	
10:25	ET	0.1	0	
10:35	ST	0.0	0	
10:55	ST	0.1	0	
10:59	ST	0.5	0	
11:15	ST	0.3	0	
11:30	ST	0.2	0	
12:45	NT	0.1	0	
12:05	NT	0.4	0	
12:45	NT	0.1	0	
13:01	NT	0.1	0	
13:41	NT	0.3	0	


Building
Elevator
Side walk

STRATEGIC ENGINEERING & SCIENCE
110 Eleventh Street
2nd Floor
Oakland, CA 94607
Ph: 510.451.1761
Fx: 510.451.1150

DAILY FIELD LOG

Date Aug. 23, 2012 **Project Number**
Project Name Alameda Islander RMP **Field Geologist/Engineer** M. Trevor
Reason for Site Visit Monitor trench excation
Weather Conditions Foggy

Field Observations:

0700 - Arrived on site. Met with Rich Kenney and excavation crew.
0730 - Crew begings excavating a ~40 ft long by 18" wide trench to ~ 2 fbg. All spoils being stockpiled next to trench. No visual, olfactory or PID/LEL signs of contamination.

1515 - Trench is 80% complete but will need to be extended to join tie-in.
1520 - Leave site.

Was Work Completed? yes / (no) **If not, what additional work remains?** Locate connection

STRATEGIC ENGINEERING & SCIENCE
110 Eleventh Street
2nd Floor
Oakland, CA 94607
Ph: 510.451.1761
Fx: 510.451.1150

DAILY FIELD LOG

Date Aug 24, 2012 **Project Number**
Project Name Alameda Island RMP **Field Geologist/Engineer** M. Trevor
Reason for Site Visit Monitor trench excavation
Weather Conditions Foggy then sunny

Field Observations:

0700 - Arrived on site. Met digging crew. Crew needs to dig 4 additional lin feet.

0845 - Add'l 4 lin feet excavated. No sign of contamination or haz. environment.

Crew needs to wait for concrete cutters to extend trench. Possibly Monday.

0915 - Leave site.

Was Work Completed? yes / (no) **If not, what additional work remains?** Extend trench to meet other pipe

DAILY FIEDL REPORT

Report Sequence No.: DFR-

PROJECT: Alameda Islander
LOCATION: Alameda, CA PROJECT NO.: 239 TASK NO.: 06
DESCRIPTION: Installation of Anchors CONTRACTOR:
DAY OF WEEK: Thursday DATE: DAY: 30 MONTH: August YEAR: 2012
WEATHER: Sunny

TIME	ACTIVITY
7:00	Arrived to site.
8:45	Contractor getting ready to install anchors.
9:30	The contractor has finished installing anchors and there was no soil from the excavation.
10:12	Left site.

Hugo Vazquez _____ HV _____ Copy to:_____ Hours: 3
Printed Name Signature

SES STRATEGIC ENGINEERING & SCIENCE
110 Eleventh Street
2nd Floor
Oakland, CA 94607
Ph: 510.451.1761
Fx: 510.451.1150

DAILY FIELD LOG

Date 10/09/12 Project Number

Project Name Alameda Islander Field Geologist/Engineer M. Trevor

Reason for Site Visit Monitor soil excavation

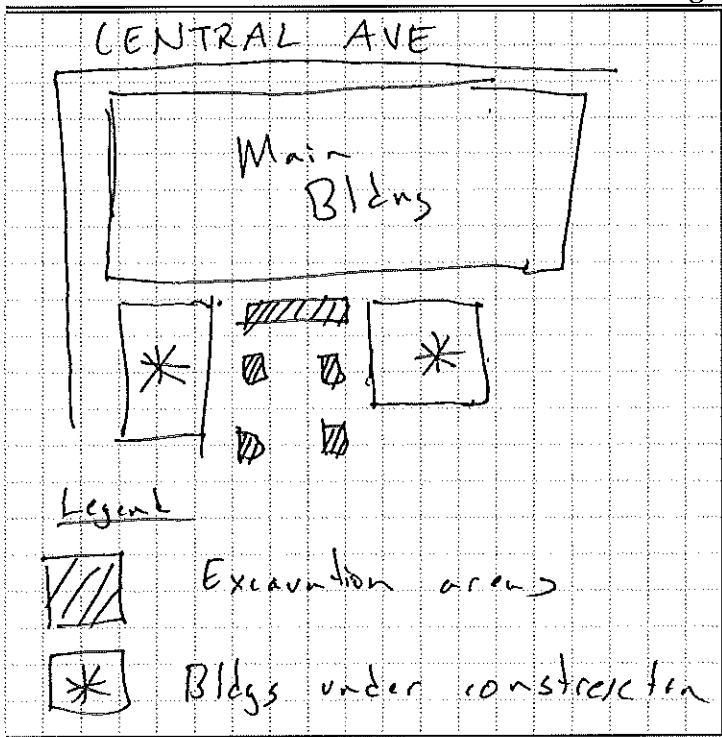
Weather Conditions clear

Field Observations/Notes:

Arrived at 0745: Observed excavations for footings and wall in central portion of the site.* Used gas meter to detect VOC's and combustible gases. None found. No visible/olfactory signs of contamination. Left site @ 1600 hrs

* Excavation depth ≤ 4 fbg

Drawings (if needed)



Was Work Completed? yes / no If not, what additional work remains?

DAILY FIEDL REPORT

Report Sequence No.: DFR-

PROJECT: Alameda, Islander
LOCATION: Alameda, CA PROJECT NO.: 239 TASK NO.: 06
DESCRIPTION: Excavation CONTRACTOR:
DAY OF WEEK: Thursday DATE: DAY: 11 MONTH: October YEAR: 2012
WEATHER: cloudy

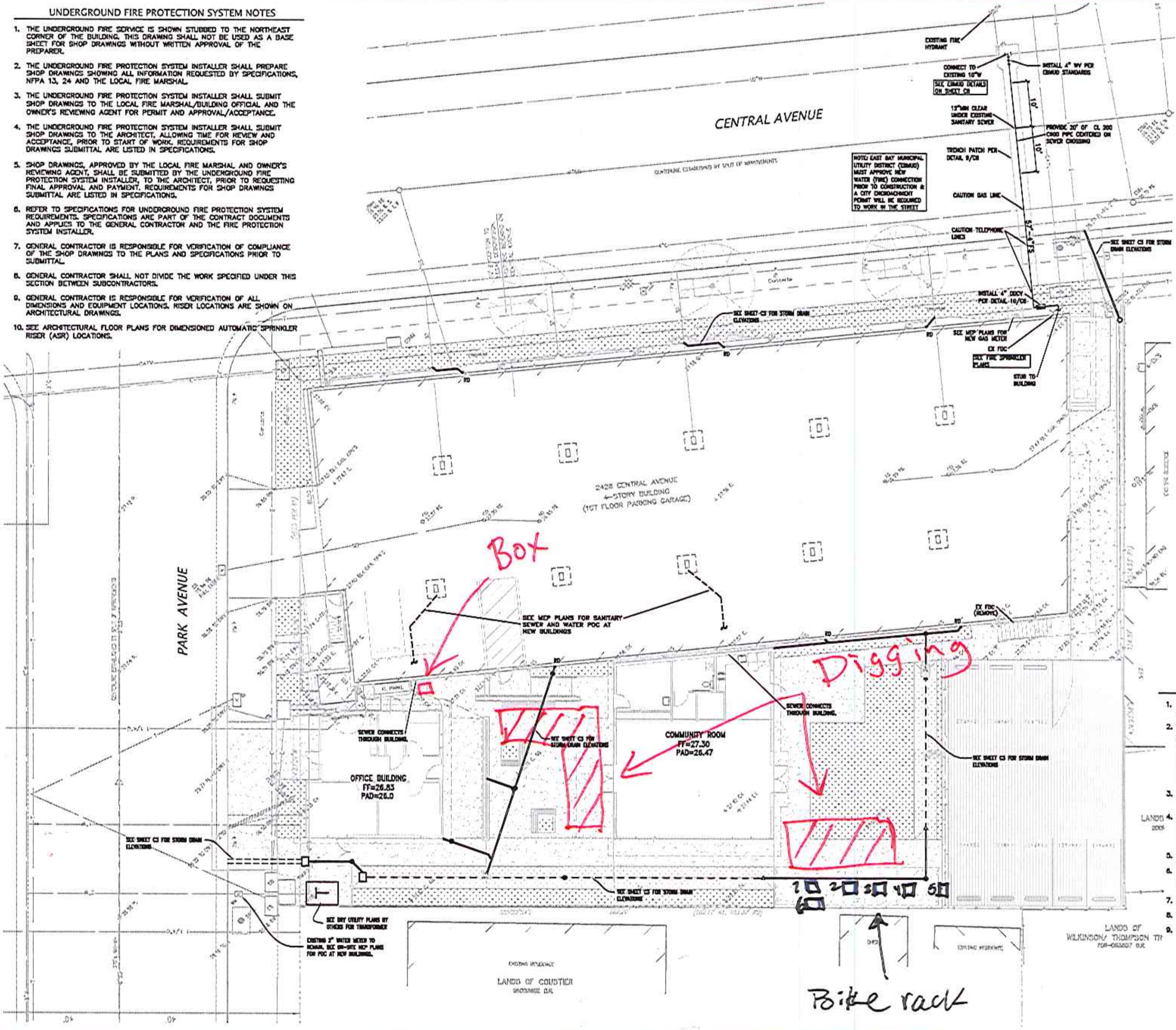
TIME	ACTIVITY
7:00	Arrived to site
7:30	talked to Contractor to check work for the day.
12:30	Contractor started excavation for bike racks, excavation is 3'x4' and 4 feet deep.
15:20	Excavation concluded. (See attached for PID results)
15:30	Left site.

Hugo Vargas Printed Name HV Signature Copy to: Hours: 8

Air Monitoring				
Sample Time	Sample Location	PID (PPM)	LEL	NOTES
12:45	1	0.1	0	
13:25	2	0.0	0	
13:50	3	0.1	0	
14:30	4	0.1	0	
14:55	5	0.1	0	
15:15	6	0.1	0	

UNDERGROUND FIRE PROTECTION SYSTEM NOTES

1. THE UNDERGROUND FIRE SERVICE IS SHOWN STUBBED TO THE NORTHEAST CORNER OF THE BUILDING. THIS DRAWING SHALL NOT BE USED AS A BASE SHEET FOR SHOP DRAWINGS WITHOUT WRITTEN APPROVAL OF THE PREPARER.
2. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL PREPARE SHOP DRAWINGS SHOWING ALL INFORMATION REQUESTED BY SPECIFICATIONS, NFPA 13, 24 AND THE LOCAL FIRE MARSHAL.
3. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL SUBMIT SHOP DRAWINGS TO THE LOCAL FIRE MARSHAL/BUILDING OFFICIAL AND THE OWNER'S REVIEWING AGENT FOR PERMIT AND APPROVAL/ACCEPTANCE.
4. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT, ALLOWING TIME FOR REVIEW AND ACCEPTANCE, PRIOR TO START OF WORK. REQUIREMENTS FOR SHOP DRAWINGS SUBMITTAL ARE LISTED IN SPECIFICATIONS.
5. SHOP DRAWINGS, APPROVED BY THE LOCAL FIRE MARSHAL AND OWNER'S REVIEWING AGENT, SHALL BE SUBMITTED BY THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER, TO THE ARCHITECT, PRIOR TO REQUESTING FINAL APPROVAL AND PAYMENT. REQUIREMENTS FOR SHOP DRAWINGS SUBMITTAL ARE LISTED IN SPECIFICATIONS.
6. REFER TO SPECIFICATIONS FOR UNDERGROUND FIRE PROTECTION SYSTEM REQUIREMENTS. SPECIFICATIONS ARE PART OF THE CONTRACT DOCUMENTS AND APPLIES TO THE GENERAL CONTRACTOR AND THE FIRE PROTECTION SYSTEM INSTALLER.
7. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF COMPLIANCE OF THE SHOP DRAWINGS TO THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTAL.
8. GENERAL CONTRACTOR SHALL NOT DIVIDE THE WORK SPECIFIED UNDER THIS SECTION BETWEEN SUBCONTRACTORS.
9. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS AND EQUIPMENT LOCATIONS. RISER LOCATIONS ARE SHOWN ON ARCHITECTURAL DRAWINGS.
10. SEE ARCHITECTURAL FLOOR PLANS FOR DIMENSIONED AUTOMATIC SPRINKLER RISER (ASR) LOCATIONS.



LEGEND

PROPOSED | EXISTING

ASPHALT BERM
BUILDING LINE
CENTER LINE
CONCRETE CURB
CONCRETE CURB & GUTTER
CONTOUR LINE
DRIVEWAY
EDGE OF PAVEMENT
ELECTRIC LINE
FENCE LINE
FIRE SERVICE & VALVE
FIBER OPTICS LINE
GAS LINE-VALVE & METER
GUARD RAIL
LOT LINE
MONUMENT/MONUMENT LINE
OVERHEAD POWER LINE
JOINT TRENCH LINE
PERFORATED STORM DRAIN PIPE
PROPERTY LINE
SANITARY SEWER-MANHOLE & CLEANOUT
SIDEWALK
SPOT ELEVATION
STORM DRAIN-MANHOLE & CATCH BASIN
THRU CURB DRAIN
TELEPHONE LINE
WATER LINE & VALVE
BACKFLOW PREVENTION DEVICE
ELECTROLIER
FIRE HYDRANT
POST INDICATOR VALVE
POWER POLE/JOINT POLE
TRANSFORMER
TRAFFIC SIGN
UTILITY BOX
AD AREA DRAIN
ARV AIR RELEASE VALVE
AVP AIR VALVE POST
ASR AUTOMATIC SPRINKLER RISER
BFPD BACKFLOW PREVENTION DEVICE
BOV BLOWOFF VALVE
CATVB CABLE TELEVISION BOX
CTB CALTRANS BOX
CB CATCH BASIN
COTG CLEANOUT TO GRADE
DS DOWN SPOUT
EB ELECTRIC BOX
ETS ELECTROLYSIS TEST STATION
FF FINISHED FLOOR
FH FIRE HYDRANT
FL FLOW LINE
FOM FIBER OPTICS MARKER
GLM GAS LINE MARKER
GM GAS METER
GV GAS VALVE
GA GUY ANCHOR
IE INVERT ELEVATION
IB IRRIGATION BOX
JP JOINT POWER POLE
LT LIGHT
PBMH PAC BELL MANHOLE
POC POINT OF CONNECTION
PIV POST INDICATOR VALVE
PP POWER POLE
RWL RAIN WATER LEADER
RVP RELEASE VALVE POST
RE RIM ELEVATION
SSCO SANITARY SEWER CLEANOUT
SSMH SANITARY SEWER MANHOLE
SMH SPRINT MANHOLE
SM SPRINT MARKER
SDMH STORM DRAIN MANHOLE
SL STREET LIGHT
SLB STREET LIGHT BOX
TB TELEPHONE BOX
TMH TELEPHONE MANHOLE
TSB TRAFFIC SIGNAL BOX
TSP TRAFFIC SIGNAL POLE
WB WATER BOX
WM WATER METER
WV WATER VALVE

UTILITY NOTES

1. BACKFILLING AND COMPACTION FOR ALL TRENCHES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
2. CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO ANY SITE WORK. ALL WORK FOR STORM DRAIN AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
3. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT OF WAY, SHALL CONFORM TO THE CITY OF ALAMEDA AND (EBMUD) STANDARDS AND REQUIREMENTS.
4. GENERAL CONTRACTOR SHALL COORDINATE ALL UNDERGROUND UTILITIES. PROVIDE 6" MINIMUM BETWEEN PIPES CROSSING ELECTRICAL LINES HORIZONTALLY AND 12" MINIMUM BETWEEN PARALLEL PIPES CROSSING ELECTRICAL LINES.
5. FOR UTILITY MATERIALS AND TYPES, SEE THE PROJECT SPECIFICATIONS.
6. WATER LINES SHALL BE 12" MINIMUM ABOVE SANITARY SEWER LINE AT ALL CROSSINGS; OTHERWISE, USE 20 FEET (NO JOINTS) DUCTILE IRON OR CLASS 200 - C900 PIPE EXTENDING 10' EACH SIDE OF SEWER CROSSING.
7. MINIMUM COVER FOR WATER LINES IS 3.0 FEET.
8. MINIMUM COVER FOR FIRE SERVICE LINES IS 4.0 FEET.
9. SANITARY SEWER WITHIN PARKING GARAGE BY OTHERS, SEE MEP PLANS.

REGISTERED PROFESSIONAL ENGINEER STEVEN M. CALCAGNO No. 62732 Exp. 09-30-2012 CIVIL STATE OF CALIFORNIA

REVISION	BY
50% DESIGN REVIEW - 6-1-11	CH
90% DESIGN REVIEW - 7-5-11	CH
100% DESIGN REVIEW - 7-12-11	CH
CITY COMMENTS: 9-19-11	CH
BID SET: 12-26-11	CH

KIER & WRIGHT
CIVIL ENGINEERS & SURVEYORS, INC.
2850 Collier Canyon Road, Livermore, California 94551
Phone (925) 245-8788 Fax (925) 245-8796

UTILITY PLAN
OF
2428 CENTRAL AVENUE
FOR THE
RESOURCES FOR COMMUNITY DEVELOPMENT
ALAMEDA, CALIFORNIA

DATE	MAY, 2011
SCALE	1" = 10'
DESIGNER	CH
JOB NO.	A11541-1
SHEET	C4
OF	- SHEETS

110 Eleventh Street
2nd Floor
Oakland, CA 94607
Ph: 510.451.1761
Fx: 510.451.1150

GES
STRATEGIC ENGINEERING & SCIENCE

DAILY FIELD LOG

Date 10/16/12 **Project Number**

Project Name Alameda Islander **Field Geologist/Engineer** M. Trevor

Reason for Site Visit Monitor soil excavation

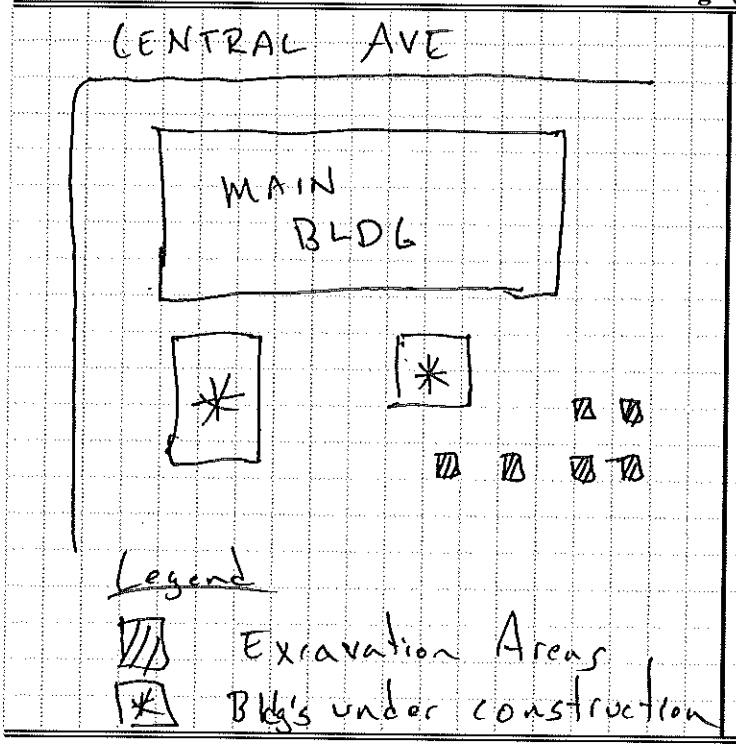
Weather Conditions clear, cool

Field Observations/Notes:

Arrived at 0800: Observed excavations for footings in rear portion of property. Excavations were ≤ 4 ft deep. Used mini-RAE to detect VOC's and/or combustible gas — none found. No visual or olfactory signs of contamination.

Left site at 1545 hrs.

Drawings (if needed)



Was Work Completed? yes / no **If not, what additional work remains?**

APPENDIX C

OFF SITE DISPOSAL DOCUMENTATION

REPUBLIC SERVICES

SPECIAL WASTE PROFILE

PRINT

Requested Disposal Facility: 3850 Vasco Road Landfill CA

Waste Profile #
Sales Rep #.

Saveable fill in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Generator Name: City of Alameda			
Generator Site Address: 2428 Central Ave			
City: Alameda	County: Alameda	State: California	Zip:
State ID/Reg No:	State Approval/Waste Code: (if applicable)		NAICS # :
Generator Mailing Address (if different): ☐ 2428 Central Ave			
City: Alameda	County: Alameda	State: California	Zip:
Generator Contact Name: Brian Saliman		Email:	
Phone Number: (510) 841-4410	Ext:329	Fax Number: (510) 548-3502	

IIa. Transporter Information

Transporter Name: MAG Trucking Inc		Contact Name: Debbie Ferrari	
Transporter Address: 3500 Enterprise Ave			
City: Hayward	County: Alameda	State: CA	Zip: 94545
Phone Number: (510) 782-880	Fax Number: (510) 782-8865	State Transportation Number:	

IIb. Billing Information

Bill To: MAG Trucking, Inc		Contact Name: Debbie Ferrari	
Billing Address: 3500 Enterprise Ave		Email:	
City: Hayward	State: CA	Zip: 94545	Phone: (510) 782-8801

III. Waste Stream Information

Name of Waste: Soil with Motor Oil
Process Generating Waste: Excavated soil from elevator pit
Physical State: ☑ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID
Method of Shipment: ☑ BULK ☐ DRUM ☐ BAGGED ☐ OTHER:
Estimated Annual Volume: 100 Tons
Frequency: ☑ ONE TIME ☐ ANNUAL
Disposal Consideration: ☑ LANDFILL ☐ SOLIDIFICATION ☐ BIOREMEDIATION

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☑ YES or ☐ NO
Sample Date: 3-27-12	Type of Sample: ☑ COMPOSITE SAMPLE ☐ GRAB SAMPLE
Sample ID Numbers: SP-2 (A-D)	

REPUBLIC SERVICES

SPECIAL WASTE PROFILE (continued)

PRINT

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. 100% soil with motor oil	
2.	
3.	
4.	
5.	

Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
Brown	None	☐ Yes or ☑ No	100.00	N/A	N/A °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☑ No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☑ No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☑ No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☑ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this waste a reactive or heat generating waste?	☐ Yes or ☑ No
Does the waste contain sulfur or sulfur by-products?	☐ Yes or ☑ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☑ No
Is this waste from a TSD facility, TSD-like facility or waste consolidator?	☐ Yes or ☑ No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Brian Saliman	City of Alameda
Authorized Representative Name/Title (Type or Print)	Company Name
Authorized Representative Signature	Date

APPENDIX D

LABORATORY ANALYTICAL REPORTS

SES, Inc
110 11th Street, 2nd Floor
Oakland, California 94607
Tel: (510) 451-2917
Fax: 5104511150

RE: Alameda Islander

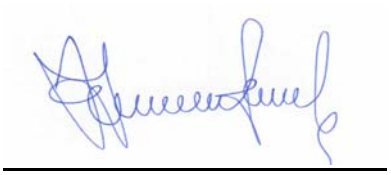
Work Order No.: 1203048

Dear Steve Kemnitz:

Torrent Laboratory, Inc. received 10 sample(s) on March 07, 2012 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.



G.Gueorguieva
Sr. Project Manager

March 08, 2012
Date

Date: 3/8/2012

Client: SES, Inc

Project: Alameda Islander

Work Order: 1203048

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

ES-1@4.0 1203048-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	30	100	140	ug/Kg
TPH as Diesel	SW8015B(M)	50	33.0	99	690	mg/Kg
TPH as Motor Oil	SW8015B(M)	50	66.0	200	4900	mg/Kg

ES-2@0.5 1203048-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	1	1.32	4.0	21	mg/Kg

ES-2@4.0 1203048-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	30	100	100	ug/Kg
TPH as Diesel	SW8015B(M)	200	132	400	2500	mg/Kg
TPH as Motor Oil	SW8015B(M)	200	264	790	15000	mg/Kg

ES-3@4.0 1203048-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	40	26.4	79	680	mg/Kg
TPH as Motor Oil	SW8015B(M)	40	52.8	160	4800	mg/Kg

Sample Result Summary

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

ES-4@0.5 1203048-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	50	66.7	200	410	mg/Kg
TPH as Motor Oil	SW8015B(M)	50	133	400	4500	mg/Kg

ES-4@4.0 1203048-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	200	267	800	1600	mg/Kg
TPH as Motor Oil	SW8015B(M)	200	533	1600	50000	mg/Kg

ES-5@4.0 1203048-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	30	100	230	ug/Kg
TPH as Motor Oil	SW8015B(M)	500	1330	4000	45000	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-1@4.0	**Lab Sample ID:**	1203048-002A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:05		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	73.2		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	82.6		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/07/12	1	4.4	10	ND		ug/Kg	408702	NA
Chloromethane	SW8260B	NA	03/07/12	1	4.6	10	ND		ug/Kg	408702	NA
Vinyl Chloride	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
Bromomethane	SW8260B	NA	03/07/12	1	4.7	10	ND		ug/Kg	408702	NA
Trichlorofluoromethane	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
1,1-Dichloroethene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
Freon 113	SW8260B	NA	03/07/12	1	3.7	10	ND		ug/Kg	408702	NA
Methylene Chloride	SW8260B	NA	03/07/12	1	2.0	50	ND		ug/Kg	408702	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
MTBE	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
tert-Butanol	SW8260B	NA	03/07/12	1	21	50	ND		ug/Kg	408702	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,1-Dichloroethane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
ETBE	SW8260B	NA	03/07/12	1	2.4	10	ND		ug/Kg	408702	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
2,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Bromochloromethane	SW8260B	NA	03/07/12	1	2.3	10	ND		ug/Kg	408702	NA
Chloroform	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Carbon Tetrachloride	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
1,1,1-Trichloroethane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Benzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
TAME	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dichloroethane	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-1@4.0	**Lab Sample ID:**	1203048-002A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:05		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/07/12	1	3.9	10	ND		ug/Kg	408702	NA
Dibromomethane	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
Bromodichloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Toluene	SW8260B	NA	03/07/12	1	0.98	10	ND		ug/Kg	408702	NA
Tetrachloroethylene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2-Trichloroethane	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
Dibromochloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,3-Dichloropropane	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dibromoethane	SW8260B	NA	03/07/12	1	1.7	10	ND		ug/Kg	408702	NA
Ethyl Benzene	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
Chlorobenzene	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
m,p-Xylene	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
o-Xylene	SW8260B	NA	03/07/12	1	0.66	5.0	ND		ug/Kg	408702	NA
Styrene	SW8260B	NA	03/07/12	1	0.77	10	ND		ug/Kg	408702	NA
Bromoform	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
Isopropyl Benzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
n-Propylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Bromobenzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	3.0	10	ND		ug/Kg	408702	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,2,3-Trichloropropane	SW8260B	NA	03/07/12	1	3.3	10	ND		ug/Kg	408702	NA
4-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
2-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
tert-Butylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
sec-Butyl Benzene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
p-Isopropyltoluene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
1,3-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
1,4-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
n-Butylbenzene	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-1@4.0	**Lab Sample ID:**	1203048-002A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:05		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
Naphthalene	SW8260B	NA	03/07/12	1	2.8	10	ND		ug/Kg	408702	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
(S) Dibromofluoromethane	SW8260B	NA	03/07/12	1	59.8	148	101		%	408702	NA
(S) Toluene-d8	SW8260B	NA	03/07/12	1	55.2	133	106		%	408702	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/07/12	1	55.8	141	146	S	%	408702	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data was acceptable because sample result was ND (Not Detected). No corrective action required.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/7/12	03/07/12	1	30	100	140	x	ug/Kg	408702	4886
(S) 4-Bromofluorobenzene	8260TPH	3/7/12	03/07/12	1	43.9	127	95.7		%	408702	4886

NOTE: x - Does not match pattern of reference Gasoline standard. TPH value contains non-target heavy end hydrocarbons within gasoline quantitative range.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	50	33.0	99	690	x	mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	50	66.0	200	4900		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	50	59.7	129	0.000	S	mg/Kg	408716	4884

NOTE: S - Surrogates not recoverable due to dilution of the sample.
x- Sample chromatographic pattern does not resemble typical diesel standard pattern; result due to overlapping from heavier hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-2@0.5	**Lab Sample ID:**	1203048-003A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:11		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	78.2		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	80.1		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/07/12	1	4.4	10	ND		ug/Kg	408702	NA
Chloromethane	SW8260B	NA	03/07/12	1	4.6	10	ND		ug/Kg	408702	NA
Vinyl Chloride	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
Bromomethane	SW8260B	NA	03/07/12	1	4.7	10	ND		ug/Kg	408702	NA
Trichlorofluoromethane	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
1,1-Dichloroethene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
Freon 113	SW8260B	NA	03/07/12	1	3.7	10	ND		ug/Kg	408702	NA
Methylene Chloride	SW8260B	NA	03/07/12	1	2.0	50	ND		ug/Kg	408702	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
MTBE	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
tert-Butanol	SW8260B	NA	03/07/12	1	21	50	ND		ug/Kg	408702	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,1-Dichloroethane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
ETBE	SW8260B	NA	03/07/12	1	2.4	10	ND		ug/Kg	408702	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
2,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Bromochloromethane	SW8260B	NA	03/07/12	1	2.3	10	ND		ug/Kg	408702	NA
Chloroform	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Carbon Tetrachloride	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
1,1,1-Trichloroethane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Benzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
TAME	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dichloroethane	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-2@0.5	**Lab Sample ID:**	1203048-003A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:11		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/07/12	1	3.9	10	ND		ug/Kg	408702	NA
Dibromomethane	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
Bromodichloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Toluene	SW8260B	NA	03/07/12	1	0.98	10	ND		ug/Kg	408702	NA
Tetrachloroethylene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2-Trichloroethane	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
Dibromochloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,3-Dichloropropane	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dibromoethane	SW8260B	NA	03/07/12	1	1.7	10	ND		ug/Kg	408702	NA
Ethyl Benzene	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
Chlorobenzene	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
m,p-Xylene	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
o-Xylene	SW8260B	NA	03/07/12	1	0.66	5.0	ND		ug/Kg	408702	NA
Styrene	SW8260B	NA	03/07/12	1	0.77	10	ND		ug/Kg	408702	NA
Bromoform	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
Isopropyl Benzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
n-Propylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Bromobenzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	3.0	10	ND		ug/Kg	408702	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,2,3-Trichloropropane	SW8260B	NA	03/07/12	1	3.3	10	ND		ug/Kg	408702	NA
4-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
2-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
tert-Butylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
sec-Butyl Benzene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
p-Isopropyltoluene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
1,3-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
1,4-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
n-Butylbenzene	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-2@0.5	**Lab Sample ID:**	1203048-003A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:11		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
Naphthalene	SW8260B	NA	03/07/12	1	2.8	10	ND		ug/Kg	408702	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
(S) Dibromofluoromethane	SW8260B	NA	03/07/12	1	59.8	148	97.8		%	408702	NA
(S) Toluene-d8	SW8260B	NA	03/07/12	1	55.2	133	99.7		%	408702	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/07/12	1	55.8	141	104		%	408702	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/7/12	03/07/12	1	30	100	ND		ug/Kg	408702	4886
(S) 4-Bromofluorobenzene	8260TPH	3/7/12	03/07/12	1	43.9	127	104		%	408702	4886

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	1	0.660	2.0	ND		mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	1	1.32	4.0	21		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	1	59.7	129	102		mg/Kg	408716	4884

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-2@4.0	**Lab Sample ID:**	1203048-004A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:18		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	69.2		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	76.3		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/07/12	1	4.4	10	ND		ug/Kg	408702	NA
Chloromethane	SW8260B	NA	03/07/12	1	4.6	10	ND		ug/Kg	408702	NA
Vinyl Chloride	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
Bromomethane	SW8260B	NA	03/07/12	1	4.7	10	ND		ug/Kg	408702	NA
Trichlorofluoromethane	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
1,1-Dichloroethene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
Freon 113	SW8260B	NA	03/07/12	1	3.7	10	ND		ug/Kg	408702	NA
Methylene Chloride	SW8260B	NA	03/07/12	1	2.0	50	ND		ug/Kg	408702	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
MTBE	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
tert-Butanol	SW8260B	NA	03/07/12	1	21	50	ND		ug/Kg	408702	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,1-Dichloroethane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
ETBE	SW8260B	NA	03/07/12	1	2.4	10	ND		ug/Kg	408702	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
2,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Bromochloromethane	SW8260B	NA	03/07/12	1	2.3	10	ND		ug/Kg	408702	NA
Chloroform	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Carbon Tetrachloride	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
1,1,1-Trichloroethane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Benzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
TAME	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dichloroethane	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-2@4.0	**Lab Sample ID:**	1203048-004A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:18		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/07/12	1	3.9	10	ND		ug/Kg	408702	NA
Dibromomethane	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
Bromodichloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Toluene	SW8260B	NA	03/07/12	1	0.98	10	ND		ug/Kg	408702	NA
Tetrachloroethylene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2-Trichloroethane	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
Dibromochloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,3-Dichloropropane	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dibromoethane	SW8260B	NA	03/07/12	1	1.7	10	ND		ug/Kg	408702	NA
Ethyl Benzene	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
Chlorobenzene	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
m,p-Xylene	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
o-Xylene	SW8260B	NA	03/07/12	1	0.66	5.0	ND		ug/Kg	408702	NA
Styrene	SW8260B	NA	03/07/12	1	0.77	10	ND		ug/Kg	408702	NA
Bromoform	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
Isopropyl Benzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
n-Propylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Bromobenzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	3.0	10	ND		ug/Kg	408702	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,2,3-Trichloropropane	SW8260B	NA	03/07/12	1	3.3	10	ND		ug/Kg	408702	NA
4-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
2-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
tert-Butylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
sec-Butyl Benzene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
p-Isopropyltoluene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
1,3-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
1,4-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
n-Butylbenzene	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-2@4.0	**Lab Sample ID:**	1203048-004A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:18		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
Naphthalene	SW8260B	NA	03/07/12	1	2.8	10	ND		ug/Kg	408702	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
(S) Dibromofluoromethane	SW8260B	NA	03/07/12	1	59.8	148	102		%	408702	NA
(S) Toluene-d8	SW8260B	NA	03/07/12	1	55.2	133	104		%	408702	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/07/12	1	55.8	141	112		%	408702	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/7/12	03/07/12	1	30	100	100	x	ug/Kg	408702	4886
(S) 4-Bromofluorobenzene	8260TPH	3/7/12	03/07/12	1	43.9	127	78.7		%	408702	4886

NOTE: x - Does not match pattern of reference Gasoline standard. TPH value contains non-target heavy end hydrocarbons within gasoline quantitative range.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	200	132	400	2500	x	mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	200	264	790	15000		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	200	59.7	129	0.000	S	mg/Kg	408716	4884

NOTE: S - Surrogates not recoverable due to dilution of the sample.
x- Sample chromatographic pattern does not resemble typical diesel standard pattern; result due to overlapping from heavier hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-3@4.0	**Lab Sample ID:**	1203048-006A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:30		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	70.3		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	81.0		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/07/12	1	4.4	10	ND		ug/Kg	408702	NA
Chloromethane	SW8260B	NA	03/07/12	1	4.6	10	ND		ug/Kg	408702	NA
Vinyl Chloride	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
Bromomethane	SW8260B	NA	03/07/12	1	4.7	10	ND		ug/Kg	408702	NA
Trichlorofluoromethane	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
1,1-Dichloroethene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
Freon 113	SW8260B	NA	03/07/12	1	3.7	10	ND		ug/Kg	408702	NA
Methylene Chloride	SW8260B	NA	03/07/12	1	2.0	50	ND		ug/Kg	408702	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
MTBE	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
tert-Butanol	SW8260B	NA	03/07/12	1	21	50	ND		ug/Kg	408702	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,1-Dichloroethane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
ETBE	SW8260B	NA	03/07/12	1	2.4	10	ND		ug/Kg	408702	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
2,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Bromochloromethane	SW8260B	NA	03/07/12	1	2.3	10	ND		ug/Kg	408702	NA
Chloroform	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Carbon Tetrachloride	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
1,1,1-Trichloroethane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Benzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
TAME	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dichloroethane	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-3@4.0	**Lab Sample ID:**	1203048-006A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:30		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/07/12	1	3.9	10	ND		ug/Kg	408702	NA
Dibromomethane	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
Bromodichloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Toluene	SW8260B	NA	03/07/12	1	0.98	10	ND		ug/Kg	408702	NA
Tetrachloroethylene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2-Trichloroethane	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
Dibromochloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,3-Dichloropropane	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dibromoethane	SW8260B	NA	03/07/12	1	1.7	10	ND		ug/Kg	408702	NA
Ethyl Benzene	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
Chlorobenzene	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
m,p-Xylene	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
o-Xylene	SW8260B	NA	03/07/12	1	0.66	5.0	ND		ug/Kg	408702	NA
Styrene	SW8260B	NA	03/07/12	1	0.77	10	ND		ug/Kg	408702	NA
Bromoform	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
Isopropyl Benzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
n-Propylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Bromobenzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	3.0	10	ND		ug/Kg	408702	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,2,3-Trichloropropane	SW8260B	NA	03/07/12	1	3.3	10	ND		ug/Kg	408702	NA
4-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
2-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
tert-Butylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
sec-Butyl Benzene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
p-Isopropyltoluene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
1,3-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
1,4-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
n-Butylbenzene	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-3@4.0	**Lab Sample ID:**	1203048-006A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:30		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
Naphthalene	SW8260B	NA	03/07/12	1	2.8	10	ND		ug/Kg	408702	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
(S) Dibromofluoromethane	SW8260B	NA	03/07/12	1	59.8	148	100		%	408702	NA
(S) Toluene-d8	SW8260B	NA	03/07/12	1	55.2	133	101		%	408702	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/07/12	1	55.8	141	114		%	408702	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/7/12	03/07/12	1	30	100	ND		ug/Kg	408702	4886
(S) 4-Bromofluorobenzene	8260TPH	3/7/12	03/07/12	1	43.9	127	108		%	408702	4886

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	40	26.4	79	680	x	mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	40	52.8	160	4800		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	40	59.7	129	0.000	S	mg/Kg	408716	4884

NOTE: S - Surrogates not recoverable due to dilution of the sample.
x- Sample chromatographic pattern does not resemble typical diesel standard pattern; result due to overlapping from heavier hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-4@0.5	**Lab Sample ID:**	1203048-007A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:37		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	71.6		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	76.1		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/07/12	1	4.4	10	ND		ug/Kg	408702	NA
Chloromethane	SW8260B	NA	03/07/12	1	4.6	10	ND		ug/Kg	408702	NA
Vinyl Chloride	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
Bromomethane	SW8260B	NA	03/07/12	1	4.7	10	ND		ug/Kg	408702	NA
Trichlorofluoromethane	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
1,1-Dichloroethene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
Freon 113	SW8260B	NA	03/07/12	1	3.7	10	ND		ug/Kg	408702	NA
Methylene Chloride	SW8260B	NA	03/07/12	1	2.0	50	ND		ug/Kg	408702	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
MTBE	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
tert-Butanol	SW8260B	NA	03/07/12	1	21	50	ND		ug/Kg	408702	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,1-Dichloroethane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
ETBE	SW8260B	NA	03/07/12	1	2.4	10	ND		ug/Kg	408702	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
2,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Bromochloromethane	SW8260B	NA	03/07/12	1	2.3	10	ND		ug/Kg	408702	NA
Chloroform	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
Carbon Tetrachloride	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
1,1,1-Trichloroethane	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Benzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
TAME	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dichloroethane	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-4@0.5	**Lab Sample ID:**	1203048-007A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:37		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/07/12	1	3.9	10	ND		ug/Kg	408702	NA
Dibromomethane	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichloropropane	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
Bromodichloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Toluene	SW8260B	NA	03/07/12	1	0.98	10	ND		ug/Kg	408702	NA
Tetrachloroethylene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2-Trichloroethane	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
Dibromochloromethane	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,3-Dichloropropane	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
1,2-Dibromoethane	SW8260B	NA	03/07/12	1	1.7	10	ND		ug/Kg	408702	NA
Ethyl Benzene	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
Chlorobenzene	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	0.86	10	ND		ug/Kg	408702	NA
m,p-Xylene	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
o-Xylene	SW8260B	NA	03/07/12	1	0.66	5.0	ND		ug/Kg	408702	NA
Styrene	SW8260B	NA	03/07/12	1	0.77	10	ND		ug/Kg	408702	NA
Bromoform	SW8260B	NA	03/07/12	1	1.9	10	ND		ug/Kg	408702	NA
Isopropyl Benzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
n-Propylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
Bromobenzene	SW8260B	NA	03/07/12	1	1.2	10	ND		ug/Kg	408702	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/07/12	1	3.0	10	ND		ug/Kg	408702	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
1,2,3-Trichloropropane	SW8260B	NA	03/07/12	1	3.3	10	ND		ug/Kg	408702	NA
4-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
2-Chlorotoluene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
tert-Butylbenzene	SW8260B	NA	03/07/12	1	1.4	10	ND		ug/Kg	408702	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/07/12	1	1.1	10	ND		ug/Kg	408702	NA
sec-Butyl Benzene	SW8260B	NA	03/07/12	1	1.6	10	ND		ug/Kg	408702	NA
p-Isopropyltoluene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
1,3-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.8	10	ND		ug/Kg	408702	NA
1,4-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.5	10	ND		ug/Kg	408702	NA
n-Butylbenzene	SW8260B	NA	03/07/12	1	2.2	10	ND		ug/Kg	408702	NA
1,2-Dichlorobenzene	SW8260B	NA	03/07/12	1	1.3	10	ND		ug/Kg	408702	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/07/12	1	4.2	10	ND		ug/Kg	408702	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-4@0.5	**Lab Sample ID:**	1203048-007A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:37		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/07/12	1	2.6	10	ND		ug/Kg	408702	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.1	10	ND		ug/Kg	408702	NA
Naphthalene	SW8260B	NA	03/07/12	1	2.8	10	ND		ug/Kg	408702	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/07/12	1	2.9	10	ND		ug/Kg	408702	NA
(S) Dibromofluoromethane	SW8260B	NA	03/07/12	1	59.8	148	106		%	408702	NA
(S) Toluene-d8	SW8260B	NA	03/07/12	1	55.2	133	98.6		%	408702	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/07/12	1	55.8	141	106		%	408702	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/7/12	03/07/12	1	30	100	ND		ug/Kg	408702	4886
(S) 4-Bromofluorobenzene	8260TPH	3/7/12	03/07/12	1	43.9	127	100		%	408702	4886

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	50	66.7	200	410	x	mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	50	133	400	4500		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	50	59.7	129	0.000	S	mg/Kg	408716	4884

NOTE: x- Sample chromatographic pattern does not resemble typical diesel standard pattern; result due to overlapping from heavier hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-4@4.0	**Lab Sample ID:**	1203048-008A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:45		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	72.8		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	68.3		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/08/12	1	4.4	10	ND		ug/Kg	408725	NA
Chloromethane	SW8260B	NA	03/08/12	1	4.6	10	ND		ug/Kg	408725	NA
Vinyl Chloride	SW8260B	NA	03/08/12	1	2.6	10	ND		ug/Kg	408725	NA
Bromomethane	SW8260B	NA	03/08/12	1	4.7	10	ND		ug/Kg	408725	NA
Trichlorofluoromethane	SW8260B	NA	03/08/12	1	2.9	10	ND		ug/Kg	408725	NA
1,1-Dichloroethene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
Freon 113	SW8260B	NA	03/08/12	1	3.7	10	ND		ug/Kg	408725	NA
Methylene Chloride	SW8260B	NA	03/08/12	1	2.0	50	ND		ug/Kg	408725	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
MTBE	SW8260B	NA	03/08/12	1	2.6	10	ND		ug/Kg	408725	NA
tert-Butanol	SW8260B	NA	03/08/12	1	21	50	ND		ug/Kg	408725	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/08/12	1	2.2	10	ND		ug/Kg	408725	NA
1,1-Dichloroethane	SW8260B	NA	03/08/12	1	1.3	10	ND		ug/Kg	408725	NA
ETBE	SW8260B	NA	03/08/12	1	2.4	10	ND		ug/Kg	408725	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
2,2-Dichloropropane	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
Bromochloromethane	SW8260B	NA	03/08/12	1	2.3	10	ND		ug/Kg	408725	NA
Chloroform	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
Carbon Tetrachloride	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
1,1,1-Trichloroethane	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
1,1-Dichloropropene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
Benzene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
TAME	SW8260B	NA	03/08/12	1	2.1	10	ND		ug/Kg	408725	NA
1,2-Dichloroethane	SW8260B	NA	03/08/12	1	1.9	10	ND		ug/Kg	408725	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-4@4.0	**Lab Sample ID:**	1203048-008A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:45		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/08/12	1	3.9	10	ND		ug/Kg	408725	NA
Dibromomethane	SW8260B	NA	03/08/12	1	2.2	10	ND		ug/Kg	408725	NA
1,2-Dichloropropane	SW8260B	NA	03/08/12	1	1.3	10	ND		ug/Kg	408725	NA
Bromodichloromethane	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
Toluene	SW8260B	NA	03/08/12	1	0.98	10	ND		ug/Kg	408725	NA
Tetrachloroethylene	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
1,1,2-Trichloroethane	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
Dibromochloromethane	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
1,3-Dichloropropane	SW8260B	NA	03/08/12	1	2.1	10	ND		ug/Kg	408725	NA
1,2-Dibromoethane	SW8260B	NA	03/08/12	1	1.7	10	ND		ug/Kg	408725	NA
Ethyl Benzene	SW8260B	NA	03/08/12	1	0.86	10	ND		ug/Kg	408725	NA
Chlorobenzene	SW8260B	NA	03/08/12	1	4.2	10	ND		ug/Kg	408725	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/08/12	1	0.86	10	ND		ug/Kg	408725	NA
m,p-Xylene	SW8260B	NA	03/08/12	1	1.9	10	ND		ug/Kg	408725	NA
o-Xylene	SW8260B	NA	03/08/12	1	0.66	5.0	ND		ug/Kg	408725	NA
Styrene	SW8260B	NA	03/08/12	1	0.77	10	ND		ug/Kg	408725	NA
Bromoform	SW8260B	NA	03/08/12	1	1.9	10	ND		ug/Kg	408725	NA
Isopropyl Benzene	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
n-Propylbenzene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
Bromobenzene	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/08/12	1	3.0	10	ND		ug/Kg	408725	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
1,2,3-Trichloropropane	SW8260B	NA	03/08/12	1	3.3	10	ND		ug/Kg	408725	NA
4-Chlorotoluene	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
2-Chlorotoluene	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
tert-Butylbenzene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
sec-Butyl Benzene	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
p-Isopropyltoluene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
1,3-Dichlorobenzene	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
1,4-Dichlorobenzene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
n-Butylbenzene	SW8260B	NA	03/08/12	1	2.2	10	ND		ug/Kg	408725	NA
1,2-Dichlorobenzene	SW8260B	NA	03/08/12	1	1.3	10	ND		ug/Kg	408725	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/08/12	1	4.2	10	ND		ug/Kg	408725	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-4@4.0	**Lab Sample ID:**	1203048-008A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 12:45		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/08/12	1	2.6	10	ND		ug/Kg	408725	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/08/12	1	2.1	10	ND		ug/Kg	408725	NA
Naphthalene	SW8260B	NA	03/08/12	1	2.8	10	ND		ug/Kg	408725	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/08/12	1	2.9	10	ND		ug/Kg	408725	NA
(S) Dibromofluoromethane	SW8260B	NA	03/08/12	1	59.8	148	89.5		%	408725	NA
(S) Toluene-d8	SW8260B	NA	03/08/12	1	55.2	133	98.5		%	408725	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/08/12	1	55.8	141	122		%	408725	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/8/12	03/08/12	1	30	100	ND		ug/Kg	408725	4892
(S) 4-Bromofluorobenzene	8260TPH	3/8/12	03/08/12	1	43.9	127	50.7		%	408725	4892

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	200	267	800	1600	x	mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	200	533	1600	50000		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	200	59.7	129	0.000	S	mg/Kg	408716	4884

NOTE: S - Surrogates not recoverable due to dilution of the sample.
x- Sample chromatographic pattern does not resemble typical diesel standard pattern; result due to overlapping from heavier hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-5@4.0	**Lab Sample ID:**	1203048-010A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 13:01		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	3/7/12	03/07/12	1	0.0230	0.10	ND		mg/Kg	408717	4883
Aroclor1221	SW8082	3/7/12	03/07/12	1	0.0920	0.20	ND		mg/Kg	408717	4883
Aroclor1232	SW8082	3/7/12	03/07/12	1	0.0460	0.10	ND		mg/Kg	408717	4883
Aroclor1242	SW8082	3/7/12	03/07/12	1	0.0430	0.10	ND		mg/Kg	408717	4883
Aroclor1248	SW8082	3/7/12	03/07/12	1	0.0360	0.10	ND		mg/Kg	408717	4883
Aroclor1254	SW8082	3/7/12	03/07/12	1	0.0240	0.10	ND		mg/Kg	408717	4883
Aroclor1260	SW8082	3/7/12	03/07/12	1	0.0270	0.10	ND		mg/Kg	408717	4883
TCMX (S)	SW8082	3/7/12	03/07/12	1	50.4	136	65.6		%	408717	4883
DCBP (S)	SW8082	3/7/12	03/07/12	1	55.1	113	75.9		%	408717	4883

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	03/08/12	1	4.4	10	ND		ug/Kg	408725	NA
Chloromethane	SW8260B	NA	03/08/12	1	4.6	10	ND		ug/Kg	408725	NA
Vinyl Chloride	SW8260B	NA	03/08/12	1	2.6	10	ND		ug/Kg	408725	NA
Bromomethane	SW8260B	NA	03/08/12	1	4.7	10	ND		ug/Kg	408725	NA
Trichlorofluoromethane	SW8260B	NA	03/08/12	1	2.9	10	ND		ug/Kg	408725	NA
1,1-Dichloroethene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
Freon 113	SW8260B	NA	03/08/12	1	3.7	10	ND		ug/Kg	408725	NA
Methylene Chloride	SW8260B	NA	03/08/12	1	2.0	50	ND		ug/Kg	408725	NA
trans-1,2-Dichloroethene	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
MTBE	SW8260B	NA	03/08/12	1	2.6	10	ND		ug/Kg	408725	NA
tert-Butanol	SW8260B	NA	03/08/12	1	21	50	ND		ug/Kg	408725	NA
Diisopropyl ether (DIPE)	SW8260B	NA	03/08/12	1	2.2	10	ND		ug/Kg	408725	NA
1,1-Dichloroethane	SW8260B	NA	03/08/12	1	1.3	10	ND		ug/Kg	408725	NA
ETBE	SW8260B	NA	03/08/12	1	2.4	10	ND		ug/Kg	408725	NA
cis-1,2-Dichloroethene	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
2,2-Dichloropropane	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
Bromochloromethane	SW8260B	NA	03/08/12	1	2.3	10	ND		ug/Kg	408725	NA
Chloroform	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
Carbon Tetrachloride	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
1,1,1-Trichloroethane	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
1,1-Dichloropropene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
Benzene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
TAME	SW8260B	NA	03/08/12	1	2.1	10	ND		ug/Kg	408725	NA
1,2-Dichloroethane	SW8260B	NA	03/08/12	1	1.9	10	ND		ug/Kg	408725	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-5@4.0	**Lab Sample ID:**	1203048-010A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 13:01		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Trichloroethylene	SW8260B	NA	03/08/12	1	3.9	10	ND		ug/Kg	408725	NA
Dibromomethane	SW8260B	NA	03/08/12	1	2.2	10	ND		ug/Kg	408725	NA
1,2-Dichloropropane	SW8260B	NA	03/08/12	1	1.3	10	ND		ug/Kg	408725	NA
Bromodichloromethane	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
cis-1,3-Dichloropropene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
Toluene	SW8260B	NA	03/08/12	1	0.98	10	ND		ug/Kg	408725	NA
Tetrachloroethylene	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
trans-1,3-Dichloropropene	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
1,1,2-Trichloroethane	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
Dibromochloromethane	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
1,3-Dichloropropane	SW8260B	NA	03/08/12	1	2.1	10	ND		ug/Kg	408725	NA
1,2-Dibromoethane	SW8260B	NA	03/08/12	1	1.7	10	ND		ug/Kg	408725	NA
Ethyl Benzene	SW8260B	NA	03/08/12	1	0.86	10	ND		ug/Kg	408725	NA
Chlorobenzene	SW8260B	NA	03/08/12	1	4.2	10	ND		ug/Kg	408725	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	03/08/12	1	0.86	10	ND		ug/Kg	408725	NA
m,p-Xylene	SW8260B	NA	03/08/12	1	1.9	10	ND		ug/Kg	408725	NA
o-Xylene	SW8260B	NA	03/08/12	1	0.66	5.0	ND		ug/Kg	408725	NA
Styrene	SW8260B	NA	03/08/12	1	0.77	10	ND		ug/Kg	408725	NA
Bromoform	SW8260B	NA	03/08/12	1	1.9	10	ND		ug/Kg	408725	NA
Isopropyl Benzene	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
n-Propylbenzene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
Bromobenzene	SW8260B	NA	03/08/12	1	1.2	10	ND		ug/Kg	408725	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	03/08/12	1	3.0	10	ND		ug/Kg	408725	NA
1,3,5-Trimethylbenzene	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
1,2,3-Trichloropropane	SW8260B	NA	03/08/12	1	3.3	10	ND		ug/Kg	408725	NA
4-Chlorotoluene	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
2-Chlorotoluene	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
tert-Butylbenzene	SW8260B	NA	03/08/12	1	1.4	10	ND		ug/Kg	408725	NA
1,2,4-Trimethylbenzene	SW8260B	NA	03/08/12	1	1.1	10	ND		ug/Kg	408725	NA
sec-Butyl Benzene	SW8260B	NA	03/08/12	1	1.6	10	ND		ug/Kg	408725	NA
p-Isopropyltoluene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
1,3-Dichlorobenzene	SW8260B	NA	03/08/12	1	1.8	10	ND		ug/Kg	408725	NA
1,4-Dichlorobenzene	SW8260B	NA	03/08/12	1	1.5	10	ND		ug/Kg	408725	NA
n-Butylbenzene	SW8260B	NA	03/08/12	1	2.2	10	ND		ug/Kg	408725	NA
1,2-Dichlorobenzene	SW8260B	NA	03/08/12	1	1.3	10	ND		ug/Kg	408725	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	03/08/12	1	4.2	10	ND		ug/Kg	408725	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Steve Kemnitz
SES, Inc

Date Received: 03/07/12
Date Reported: 03/08/12

Client Sample ID:	ES-5@4.0	**Lab Sample ID:**	1203048-010A
Project Name/Location:	Alameda Islander	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/06/12 / 13:01		
Tag Number:	Alameda Islander		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Hexachlorobutadiene	SW8260B	NA	03/08/12	1	2.6	10	ND		ug/Kg	408725	NA
1,2,4-Trichlorobenzene	SW8260B	NA	03/08/12	1	2.1	10	ND		ug/Kg	408725	NA
Naphthalene	SW8260B	NA	03/08/12	1	2.8	10	ND		ug/Kg	408725	NA
1,2,3-Trichlorobenzene	SW8260B	NA	03/08/12	1	2.9	10	ND		ug/Kg	408725	NA
(S) Dibromofluoromethane	SW8260B	NA	03/08/12	1	59.8	148	90.5		%	408725	NA
(S) Toluene-d8	SW8260B	NA	03/08/12	1	55.2	133	98.1		%	408725	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	03/08/12	1	55.8	141	164	S	%	408725	NA

NOTE: S-Surrogate recovery out of limit-high bias. No associated target analytes were observed in the sample. No corrective action required.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	3/8/12	03/08/12	1	30	100	230	x	ug/Kg	408725	4892
(S) 4-Bromofluorobenzene	8260TPH	3/8/12	03/08/12	1	43.9	127	90.5		%	408725	4892

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

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	3/7/12	03/07/12	500	667	2000	ND		mg/Kg	408716	4884
TPH as Motor Oil	SW8015B(M)	3/7/12	03/07/12	500	1330	4000	45000		mg/Kg	408716	4884
Pentacosane (S)	SW8015B(M)	3/7/12	03/07/12	500	59.7	129	0.000	S	mg/Kg	408716	4884

NOTE: S - Surrogates not recoverable due to dilution of the sample.

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408702
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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	50	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	
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	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408702
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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			99.0		
(S) Toluene-d8			99.1		
(S) 4-Bromofluorobenzene			98.5		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/08/12	**Analytical Batch:**	408725
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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	50	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		
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		
o-Xylene	0.66	5.0	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/08/12	**Analytical Batch:**	408725
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Styrene	0.77	10	1.0		
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			97.5		
(S) Toluene-d8			78.5		
(S) 4-Bromofluorobenzene			109		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1203048	**Prep Method:**	3545_PCB	**Prep Date:**	03/07/12	**Prep Batch:**	4883
Matrix:	Soil	**Analytical Method:**	SW8082	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408717
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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)			103	
DCBP (S)			106	

Work Order:	1203048	**Prep Method:**	3545_TPH	**Prep Date:**	03/07/12	**Prep Batch:**	4884
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408716
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.656	2.0	ND	
TPH as Motor Oil	1.36	4.0	3.4	
Pentacosane (S)			118	

Work Order:	1203048	**Prep Method:**	5035	**Prep Date:**	03/07/12	**Prep Batch:**	4886
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408702
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			115	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1203048	**Prep Method:**	5035	**Prep Date:**	03/08/12	**Prep Batch:**	4892
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	03/08/12	**Analytical Batch:**	408725
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH(Gasoline)	30	100	ND		
(S) 4-Bromofluorobenzene			125		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408702
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	89.7	93.5	4.30	53.7 - 139	30	
Benzene	1.5	10	ND	50	96.5	91.3	5.39	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	96.2	94.6	1.72	57.5 - 150	30	
Toluene	0.98	10	ND	50	109	105	3.75	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	102	113	9.86	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	99.5	102		59.8 - 148		
(S) Toluene-d8			ND	50	102	101		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	102	97.2		55.8 - 141		

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/08/12	**Analytical Batch:**	408725
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	71.1	85.1	18.1	53.7 - 139	30	
Benzene	1.5	10	ND	50	70.7	85.4	19.0	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	71.4	89.5	22.5	57.5 - 150	30	
Toluene	0.98	10	ND	50	76.1	94.3	21.5	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	86.8	110	23.2	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	83.2	67.7		59.8 - 148		
(S) Toluene-d8			ND	50	95.1	97.0		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	105	104		55.8 - 141		

Work Order:	1203048	**Prep Method:**	3545_PCB	**Prep Date:**	03/07/12	**Prep Batch:**	4883
Matrix:	Soil	**Analytical Method:**	SW8082	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408717
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	0.023	0.1	ND	1	109.425	105	1.02	55.6 - 135	30	
Aroclor1260	0.027	0.1	ND	0.5	97.172	94.9	4.84	65.6 - 132	30	
TCMX (S)			ND	0.25	120.26	114		50.4 - 136		
DCBP (S)			ND	0.250	115.82	109		55.1 - 113		S

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1203048	**Prep Method:**	3545_TPH	**Prep Date:**	03/07/12	**Prep Batch:**	4884
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408716
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.65637	1.98	ND	33.33	65.161871 2871287	9904851485	20.431792 119008	52.7 - 115	30	
Pentacosane (S)			3.4	100	118.2858	118.0667		59.7 - 129		

Work Order:	1203048	**Prep Method:**	5035	**Prep Date:**	03/07/12	**Prep Batch:**	4886
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408702
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	110	109	1.67	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			115	50	120	122		57 - 127		

Work Order:	1203048	**Prep Method:**	5035	**Prep Date:**	03/08/12	**Prep Batch:**	4892
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	03/08/12	**Analytical Batch:**	408725
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	103	118	13.6	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			125	50	123	119		57 - 127		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1203048	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408702
Spiked Sample:	1203048-002A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	0	50	86.9	86.6	0.369	53.7 - 139	30	
Benzene	1.5	10	0	50	84.0	83.7	0.382	66.5 - 135	30	
Trichloroethylene	3.9	10	0	50	83.5	82.4	1.35	57.5 - 150	30	
Toluene	0.98	10	0	50	91.4	92.2	0.937	56.8 - 134	30	
Chlorobenzene	4.2	10	0	50	96.9	99.4	2.53	57.4 - 134	30	
(S) Dibromofluoromethane				50	101	104		59.8 - 148		
(S) Toluene-d8				50	104	102		55.2 - 133		
(S) 4-Bromofluorobenzene				50	112	125		55.8 - 141		

Work Order:	1203048	**Prep Method:**	3545_TPH	**Prep Date:**	03/07/12	**Prep Batch:**	4884
Matrix:	**Soil**	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	03/07/12	**Analytical Batch:**	408716
Spiked Sample:	1203048-003A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.66	2.0	23.8695	33.33				50.3 - 125	30	NR
Pentacosane (S)				100	96.5	88.1		57.9 - 125		

Laboratory Qualifiers and Definitions

DEFINITIONS:

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)
Laboratory Control Sample (LCS ad LCSD) - 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 (MS/MSD) - 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 (MDL) - 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 (PQL) - 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 (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - 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
Tentatively Identified Compound (TIC) - 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.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - 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.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - 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
X -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.

Sample Receipt Checklist

Client Name: SES, Inc

Project Name: Alameda Islander

Work Order No.: 1203048

Date and Time Received: 3/7/2012 14:36

Received By: PL

Physically Logged By: YB

Checklist Completed By: YB

Carrier Name: First Courier

Chain of Custody (COC) 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 Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: 5 °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	
pH Checked by:	pH Adjusted by:

Login Summary Report

Client ID: TL5156 SES, Inc
Project Name: Alameda Islander
Project # :
Report Due Date: 3/8/2012
Comments:
Work Order # : ***1203048***

QC Level:
TAT Requested: Next Day:100
Date Received: 3/7/2012
Time Received: 14:36

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1203048-001A	ES-1@0.5	03/06/12 11:45	Soil	09/03/12	On-Hold		Hold Samples Courier Service S_GCMS-GRO S_8082PCB S_TPHDO S_8260Full	
1203048-002A	ES-1@4.0	03/06/12 12:05	Soil	09/03/12			S_GCMS-GRO S_TPHDO S_8082PCB S_8260Full	
Sample Note:	1 day Rush!!!							
1203048-003A	ES-2@0.5	03/06/12 12:11	Soil	09/03/12			S_GCMS-GRO S_TPHDO S_8260Full S_8082PCB	
1203048-004A	ES-2@4.0	03/06/12 12:18	Soil	09/03/12			S_GCMS-GRO S_TPHDO S_8082PCB S_8260Full	
1203048-005A	ES-3@0.5	03/06/12 12:23	Soil	09/03/12	On-Hold		Hold Samples S_GCMS-GRO S_8260Full S_8082PCB S_TPHDO	
1203048-006A	ES-3@4.0	03/06/12 12:30	Soil	09/03/12			S_GCMS-GRO S_8260Full S_TPHDO S_8082PCB	
1203048-007A	ES-4@0.5	03/06/12 12:37	Soil	09/03/12			S_GCMS-GRO	

Login Summary Report

Client ID: TL5156 SES, Inc
Project Name: Alameda Islander
Project # :
Report Due Date: 3/8/2012
QC Level:
TAT Requested: Next Day:100
Date Received: 3/7/2012
Time Received: 14:36

Comments:

Work Order # : ***1203048***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1203048-008A	ES-4@4.0	03/06/12 12:45	Soil	09/03/12			S_8260Full S_TPHDO S_8082PCB S_GCMS-GRO	
1203048-009A	ES-5@0.5	03/06/12 12:52	Soil	09/03/12	On-Hold		S_TPHDO S_8082PCB S_8260Full Hold Samples S_8082PCB	
1203048-010A	ES-5@4.0	03/06/12 13:01	Soil	09/03/12			S_TPHDO S_GCMS-GRO S_8260Full S_GCMS-GRO S_8082PCB S_TPHDO S_8260Full	

Torrent LABORATORY, INC.

SES STRATEGIC ENGINEERING & SCIENCE

CHAIN OF CUSTODY RECORD

1203048

110 11th Street, 2nd Floor
Oakland, California 94607
Phone 510.451.1761
Fax: 510.451.1150

Project Name: Alameda Islander
Job No.:
Report To: skemnitz@sesinconline.net
Sampler (print): Steve Kemnitz
Sampler (signature): SK

Electronic Deliverable Format Required: ☐ YES ☐ NO
EDF LOGCODE: ☐ LAMV ☐ LAO ☐ LAF
Global ID # :

Turnaround Requirements
☐ 5 Working Days
~~☒ 48 Hours~~
☐ 24 Hours
☐ 2-3 Hours RUSH
☒ 24 HOUR!

QC Requirement:
☒ Level A (standard)

ANALYSES REQUESTED

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH-G (8015)	TPH-D (8015)	TPH-motor oil (8015)	VOCs (8260B)	PCBs (8082)	Remarks
ES-1 @ 0.5	3-6-12	1145		SOIL	1	X	X	X	X	X	Hold
ES-1 @ 4.0		1205									
ES-2 @ 0.5		1211									
ES-2 @ 4.0		1218									RUSH
ES-3 @ 0.5		1223									1 DAY Hold
ES-3 @ HD		1230									
ES-4 @ 0.5		1237									
ES-4 @ 4.0		1245									
ES-5 @ 0.5		1252									Hold.
ES-5 @ 4.0		1301									

Relinquished By: SK	Date: 3-7-12	Time: 1253	Received By:	Date: 3/7/12	Time: 1253
Relinquished By: Mike Alexander	Date: 3/7/12	Time: 2:36	Received By:	Date: 3/7/12	Time: 2:36
Relinquished By:	Date:	Time:	Lab of Record:		Temp:
			Received by Lab:	Date:	Time:

PM Initial:

FCS

Torrent LABORATORY, INC.

Torrent LABORATORY, INC. REQUEST FORM

Rush Turnaround Services

Same Day • 24 Hrs • 48 Hrs • 72 Hrs — Torrent Express™

Confirmation Number | TR12-120113

Date | 03/07/12

Company | SES

Ordered By | Steve K

Email | _____
(for Rush report)

For Torrent Lab Use Only

Project Name | _____

Project Number | _____

Order ID | 1203048

Order Taken By | GG

Accounting | _____

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☑ One Day → ☐ Noon
- ☐ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 10

Matrix | soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | SVO, VO

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

APPENDIX E

PHOTO LOG OF ELEVATOR SHAFT PLUNGER REMOVAL AND SOIL EXCAVATION

Photo No.:	1	**Date:**	3/16/12
Photographer:	Steve Kemnitz		
Subject:	Elevator shaft pit prior to plunger removal activities; pit shoring, previously installed anchors, and plunger are shown		
Project:	Alameda Islander	**Location:**	Alameda, Ca

Photo No.:	2	**Date:**	3/16/12
Photographer:	Steve Kemnitz		
Subject:	Plunger Removal		
Project:	Alameda Islander	**Location:**	Alameda, Ca

Photo No.:	3	**Date:**	3/16/12
Photographer:	Steve Kemnitz		
Subject:	Elevator plunger removed from pit; impacted soil prior to removal		
Project:	Alameda Islander	**Location:**	Alameda, Ca

Photo No.:	4	**Date:**	3/16/12
Photographer:	Steve Kemnitz		
Subject:	Excavation of impacted soil		
Project:	Alameda Islander	**Location:**	Alameda, Ca