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By Alameda County Environmental Health 2:54 pm, Jul 30, 2015

July 31, 2015

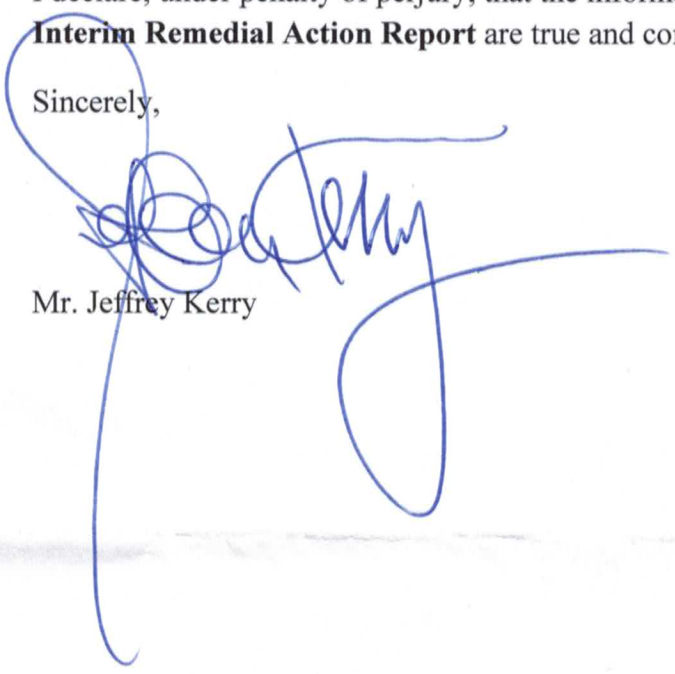
Mr. Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: Kerry & Associates – Palace Garage
14336 Washington Avenue
San Leandro, California
ACEH Case No. RO0000208

Dear Mr. Detterman,

I declare, under penalty of perjury, that the information and/or recommendations contained in the **Interim Remedial Action Report** are true and correct to the best of my knowledge.

Sincerely,



Mr. Jeffrey Kerry

July 31, 2015

Mr. Mark Detterman
Alameda County Environmental Health
1311 Harbor Bay Parkway
Alameda, CA 94502

RE: INTERIM REMEDIAL ACTION REPORT
Kerry & Associates – Palace Garage
14336 Washington Avenue
San Leandro, California
ACEH Case No. RO0000208
SFRWQCB LUFT Case No. 01-1133

Dear Mr. Detterman:

On behalf of Kerry & Associates, Innovex Environmental Management, Inc. (INNOVEX) has prepared this Interim Remedial Action Report (IRAR) for the Palace Garage site located at 14336 Washington Avenue, San Leandro, California (the Site, Figure 1).

A review of Site data by Alameda County Environmental Health (ACEH) staff indicated the Site does not meet two closure criteria outlined in the 2011 Low-Threat Underground Storage Tank Closure Policy (LTCP). The deficiencies are: (1) General Criteria f (secondary source removal) and (2) Scenario 3a of Media Specific Petroleum Vapor Intrusion to Indoor Air. Based on the information, INNOVEX submitted an Interim Remedial Action Plan (IRAP) to ACEH on June 30, 2014 which outlined a proposal to over-excavate hydrocarbon impacted soil in the known secondary source area, thereby satisfying the outstanding LTCP deficiencies. The IRAP was conditionally approved by ACEH in their letter dated August 14, 2014 (Attachment A).

As part of a directive letter dated June 11, 2014 (Attachment A), ACEH staff indicated "Interim Remedial Actions appear appropriate in order to mitigate the risk of vapor intrusion and expeditiously move the site towards closure". Therefore, it is anticipated that case closure will be granted following completion of excavation activities and submittal of this IRAR.

This report includes Site summary information, a discussion of the remedial action scope of work, confirmation sampling data, conclusion and recommendations, and GeoTracker documentation requirements.

1.0 SITE SETTING

The Site is an automotive body repair shop located on Washington Avenue in San Leandro, California (Figures 1 and 2). Land use in the vicinity of the property is primarily industrial/commercial. ACEH records show that one underground storage tank (UST) existed at the Site at the time of removal in 1991.

1.1 Site Geology and Hydrology

According to the United States Geological Survey (USGS) San Leandro 7.5 Minute Topographic Quadrangle Map (dated 1969, photo revised 1980), Site elevation is approximately 40 feet above mean sea level (msl) (Figure 1). The topography of the Site and surrounding properties are nearly flat with a slight overall slope to the west. Near surface geology is classified as Holocene age alluvial fan and fluvial deposits, with a general fining upwards of soil types.

Soils beneath the Site consist of clays, silty clays and clayey silts between near ground surface and approximately 16 feet below ground surface (bgs), poorly graded sands and gravels between approximately 16 and 21 feet bgs, and clays between approximately 21 and 25 feet bgs, the total depth explored. The saturated water bearing zone encountered beneath the Site is considered to be unconfined, with depth to groundwater measured in the existing well network ranging seasonally between 12 to 16 feet bgs. Groundwater flow direction has ranged from west to south-southwest with an average gradient of 0.003 foot per foot (ft./ft.). A review of the last six years of groundwater monitoring data suggests fine-grained soils present beneath the Site with low hydraulic conductivity and effective porosity may be restricting the vertical movement of petroleum hydrocarbon constituents.

2.0 REMEDIAL ACTION

Remedial field activities were conducted at the Site between May 15 and 29, 2015. Surface removal, excavation, backfill and compaction, and surface replacement were completed by Engineering/Remediation Resources Group, Inc. of Martinez, California. Waste transport was performed by The Dirt Shop of San Francisco, California. Field activities consisted of excavating hydrocarbon-impacted soil to the extent practicable within a pre-defined soil contour shown on Figure 2. Total depth of the excavation was approximately 16 feet below ground surface (bgs). Excavated soil was hauled off-site and disposed of as non-hazardous waste at an approved disposal facility. The open excavation was backfilled with pre-approved aggregate base rock, and then resurfaced to match existing Site conditions.

Because of the size of the proposed excavation and the proximity to existing buildings, structural integrity of the buildings was a concern. Due to limited available working space, it was not reasonable to conduct a complete excavation of the secondary source area in one phase. Therefore, excavation activities were completed in six phases, or cells.

To safely perform the field activities, each cell was excavated to the prescribed depth then backfilled with aggregate prior to starting a new cell. As the depth of each open cell increased, shoring was placed in the open excavation to protect against sidewall collapse and protect the existing buildings.

The following sections describe the excavation activities, including pre-field coordination, site preparation and surface removal, excavation and disposal, backfill and compaction, and surface replacement

2.1 Pre-field Activities

Prior to implementing remedial action at the Site, INNOVEX performed the following pre-field tasks.

2.1.1 Permitting

INNOVEX prepared and received an Excavation/Grading Permit from the City of San Leandro Building Department for the proposed excavation field work. In addition, INNOVEX prepared and received well destruction permits from the Alameda County Public Works Agency (ACPWA) for monitoring well MW-6 and soil vapor wells SV-1 through SV-3. As required, all appropriate county and city agencies were notified in advance of the excavation work schedule in order to facilitate required periodic site inspections during the course of the project.

2.1.2 Subsurface Utility Clearance

Underground Service Alert (USA) was notified of the pending work a minimum of 48 hours prior to initiating field activities. The proposed excavation area was marked in white paint as required so that the location of subsurface utilities beneath the Site could be identified. In addition, a private utility locating company was contracted to confirm, where possible, the absence of underground utilities within the proposed excavation area.

2.1.3 Health and Safety Plan

A Health and Safety Plan (HASP) was prepared for use by personnel implementing the IRAP. The HASP addressed potential hazards associated with the proposed excavation scope of work, and a copy of the HASP was available on-site at all times. The subcontractor performing field activities was provided a copy of the HASP prior to initiating field activities and daily safety tailgate meetings were conducted to review the Site hazards prior to starting any work scopes.

2.2 Soil Excavation

Upon completion of remediation pre-field activities, INNOVEX proceeded with excavation of impacted soil, which consisted of the following tasks:

2.2.1 Noise Mitigation

To reduce nuisance noise, work activities were conducted between the hours of 7:30 a.m. to 3:30 p.m. Monday through Friday. The tenants/owners of adjoining properties were notified in advance of the proposed work schedule so that they could take appropriate measures to reduce impacts to themselves. In addition, on-site excavation equipment used was inspected to ensure the engine compartment was fitted with noise dampening materials and a muffler. All site

workers were required to wear hearing protection as well. Hearing protection was also made available to nearby tenants who requested it.

2.2.2 Surface Removal

Prior to excavation, removal of existing asphalt surfacing overlying the hydrocarbon secondary source area was completed. That portion of the asphalt was marked and cut away from the surrounding asphalt pavement with a walk-behind concrete saw and broken into smaller blocks for ease of disposal. All removed asphalt was hauled off-site as construction waste and transported to Inner City Recycling of Oakland, California.

2.2.3 Shoring and Excavation

As mentioned previously, excavation and backfilling of the secondary source area was completed in six phases to protect against sidewall collapse, to maintain structural integrity of adjacent Site buildings, and to maximize the available working area. Due to the above mentioned restrictions and the use of excavation shoring, the extent of excavation was limited to the proposed area presented in Figures 2 and 3.

After removing the asphalt surfacing, each cell was excavated in a 10 foot by 10 foot square to a depth of approximately six feet bgs. At this point a square shoring box was placed in the open excavation to support the sidewalls against collapse. Once the box was in place, excavation continued through the open box. As the excavation depth increased the shoring box was moved downward and a second box placed on top to keep the upper portion of the excavated cell open. Once the excavation reached 16 feet bgs excavation was stopped and a floor sample collected for laboratory analysis to assess if the full extent of the secondary source was removed. Depth to groundwater was expected to be at or near 16 feet bgs and was observed seeping into the floor of several open cells. Because of this, excavation deeper than 16 feet was not conducted.

2.2.4 Waste removal and Transport

Prior to excavation field activities, Site soils were analyzed and pre-approved for disposal at Potrero Hills Landfill in Fairfield, California as non-hazardous waste. As each cell was excavated, the impacted soil was loaded into waiting trucks and hauled to the landfill in order to expedite backfilling each open cell and to maximize available Site space. Approximately 421 tons of impacted soil were transported off-site for disposal. Disposal documentation is provided in Attachment B.

2.2.5 Excavation Backfilling and Compaction

Once all accessible impacted soil was removed from each cell of the excavation, the open cell was lined with a geo-fabric barrier. The geo-fabric provided additional protection against migration of fine materials into the rock and acted as a support against lateral movement of the rock into an adjacent cell as it was excavated. After the barrier was in place, each cell was backfilled to approximately surface grade with ¾-inch self-compacting crushed rock and the excavation shoring removed. When the final cell was excavated (cell 6) the exterior walls facing native soil were lined with fabric. Once this was complete, the fabric walls of the adjacent cells were opened as shoring was removed and crushed rock was allowed to flow into the open cell. After the final cell was partially filled, additional rock was pulled from the other cells to complete backfilling. The entire excavation was then regraded to five feet bgs and a second fabric barrier placed on top of the rock to prevent downward migration of fine materials.

After completing placement of the second fabric barrier, the remaining five feet of open excavation was backfilled with class 2 aggregate base rock (AB) to near surface grade. The class 2 AB was placed in one foot lifts and compacted during placement using a small compaction roller. The compacted AB was tested to achieve a compaction rate of approximately 95 percent or greater. Compaction test results are provided in Attachment C.

2.2.6 Surface Replacement

After completing backfilling and compaction activities, new 4 inch-thick asphalt pavement was placed over the excavated area and finished to match existing pre-excavation surface conditions.

3.0 CONFIRMATION SOIL SAMPLING

A total of eight confirmation soil samples were collected from the excavation sidewalls and floor. Due to limitations presented by the trench boxes and potential sidewall instability issues, side wall samples could not be collected from each cell. Sidewall samples from cells 1 and 4 and floor samples from all six cells were collected. All samples were analyzed by SunStar Laboratories of Lake Forest, California for diesel range organics (DRO), gasoline range organics (GRO), benzene, toluene, ethylbenzene, and total xylenes (BTEX constituents) and naphthalene by EPA Method 8260B. Soil sampling locations and analytical data are presented on Figure 3. Laboratory analytical reports and chain-of-custody records are presented in Attachment D.

Soil analytical results are presented in Table 1 and summarized as follows:

- DRO was reported in three floor samples at concentrations ranging from 14 milligrams per kilogram (mg/kg [F-2-16]) to 190 mg/kg (F-5-16) respectively.
- GRO was also reported in three floor samples at concentrations ranging from 0.9 mg/kg (F-4-16) to 3,100 mg/kg (F-3-16) respectively.
- Benzene was reported in one sample at a concentration of 0.13 mg/kg (F-3-16).
- Toluene was also reported in three floor samples at concentrations ranging from 0.060 mg/kg (F-2-16) to 3.0 mg/kg (F-5-16) respectively.
- Ethylbenzene was reported in two floor samples at concentrations of 0.0081 mg/kg (F-5-16) and 42 mg/kg (F-3-16).

- Toluene was also reported in three floor samples at concentrations ranging from 0.0668 mg/kg (F-2-16) to 183 mg/kg (F-5-16) respectively.
- Naphthalene was below reporting limits in all floor samples.
- Sidewall sample W-1-12 and W-2-12 collected at 12 feet bgs from cells 1 and 4 did not contain hydrocarbon concentrations above laboratory reporting limits for all constituents of concern.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of this remedial action was to remove a secondary source of hydrocarbon impacted soil remaining in the vicinity of the former UST location and close data gaps in the LTCP closure review identified by ACEH staff. Analytical results from confirmation soil samples collected post-excavation indicate that the bulk of the secondary source has been removed.

Confirmation soil samples F-2-16, F-3-16 and F-5-16, indicate minimal concentrations of petroleum hydrocarbons remain at a depth of approximately 16 feet bgs. This depth is at the top of the groundwater table within the soil/water capillary fringe, therefore additional excavation was not feasible. In addition, while concentrations of DRO and GRO reported in samples F-3-16 and F-5-16 are above the 100 mg/kg excavation contour limit, the BTEX fraction reported in each sample is extremely low or below reporting limits, indicating that remaining hydrocarbon impacts are old and significantly degraded. Soil samples collected from the excavation walls at 12 feet bgs did not contain concentrations of petroleum hydrocarbons above laboratory detection limits, indicating that the lateral extent of soil impact has been addressed. It is expected that the hydrocarbons remaining in soil within the capillary fringe zone of the groundwater table will attenuate within a reasonable time frame.

Based on the results of the confirmation soil samples, INNOVEX believes the secondary source and risk of vapor intrusion to adjacent buildings has been mitigated. ACEH has indicated that upon completion of excavation activities and submittal of the IRAR, the environmental case associated with the Site will be evaluated for no further action status.

5.0 REPORTING AND GEOTRACKER

In accordance with GeoTracker requirements, INNOVEX will upload this IRAR and associated data related to the remedial action.

6.0 LIMITATIONS

This IRAR is based on Site conditions, data, and other information available as of the date of the IRAR, and the conclusions and recommendations herein are applicable only to the time frame in which the IRAR was prepared. Background information used to prepare this IRAR including, but not limited to, previous field measurements, analytical results, Site plans and other data have been furnished to INNOVEX by Kerry & Associates and as available on the GeoTracker website. INNOVEX has relied on this information as furnished, and is neither responsible for nor has confirmed the accuracy of this information.

If you have any questions regarding this submission, please feel free to contact Mr. Brian Busch at (925) 566-8403 (Brian.Busch@innovex.net) or Mr. Matthew Farris at (916) 760 7579 (Matt.Farris@innovex.net).

Sincerely,
INNOVEX ENVIRONMENTAL MANAGEMENT, INC.

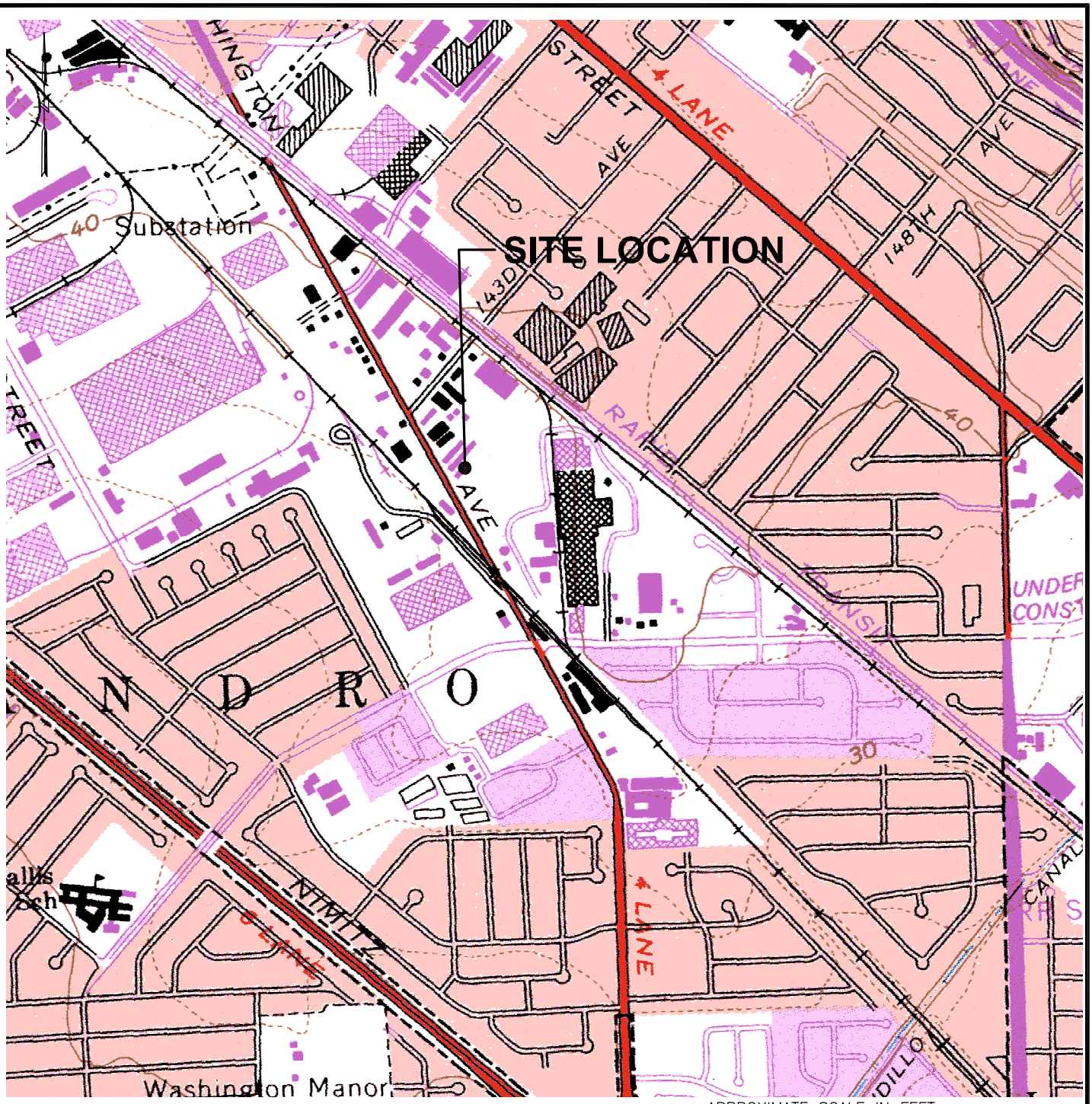
Matthew Farris, PG
Senior Project Geologist

ATTACHMENTS:

Figure 1	Site Vicinity Map
Figure 2	TPHg/GRO Concentrations in Soil from 3 to 16 Feet
Figure 3	Excavation Area and Confirmation Soil Sample Locations
Table 1	Soil Analytical Data
Attachment A	ACEH Correspondence
Attachment B	Soil Disposal Documentation
Attachment C	Compaction Test Report
Attachment D	Laboratory Analytical Reports and Chain-of-Custody Records

cc: Mr. Jeff Kerry, Kerry & Associates
Mr. Gerald Donnelley

FIGURES



REFERENCE:
USGS 7.5 MIN QUAD MAP TITLED:SAN LEANDRO, CALIFORNIA DATED: 1959 REV: 1980

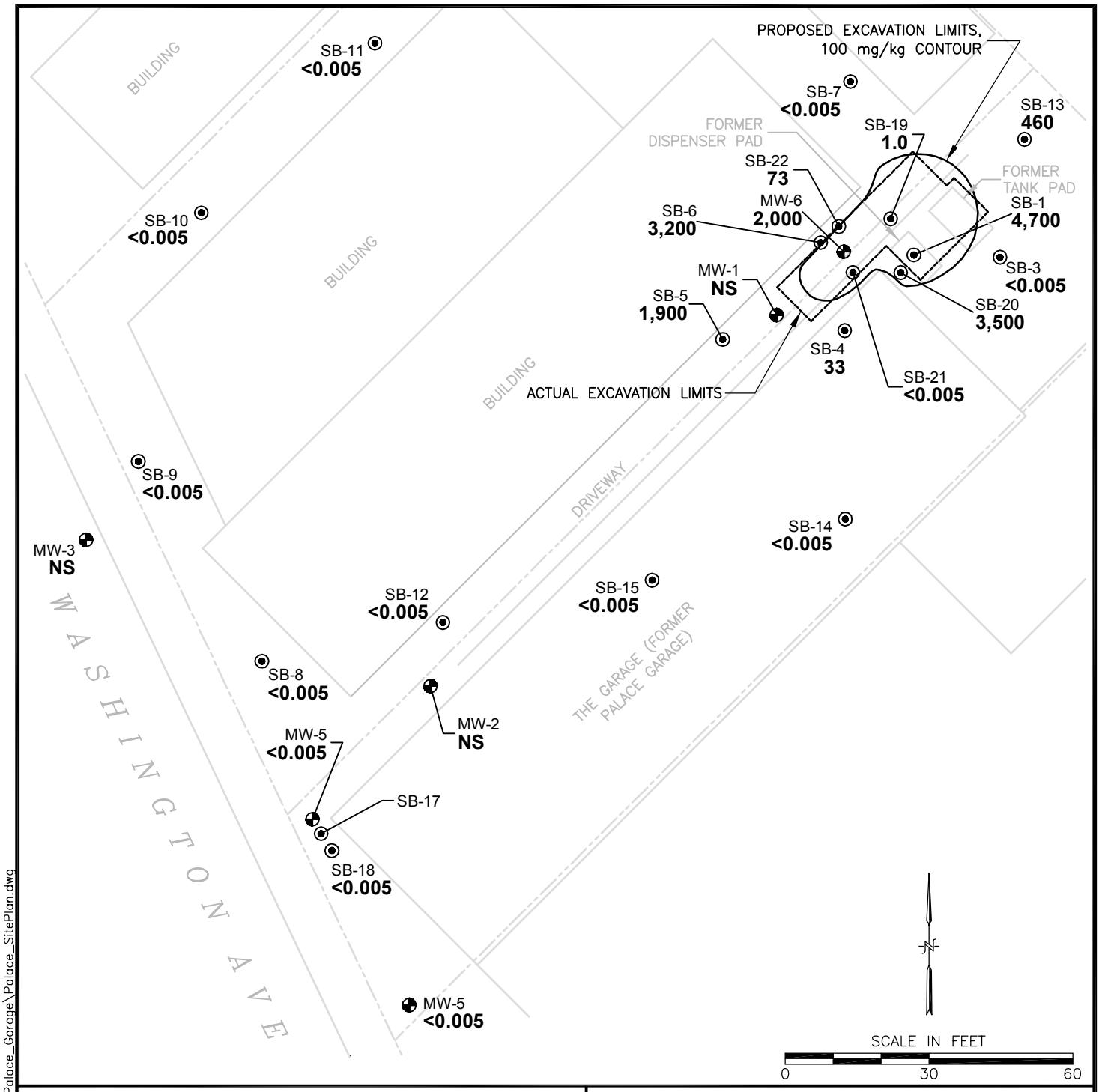
FIGURE 1

SITE LOCATION MAP

PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

INNOVEX
ENVIRONMENTAL MANAGEMENT, INC.
3900 Lennane Drive • Suite 130
Sacramento • California •95834
Phone: (800) 988-7880

20140404.11433951 \\The-server\pacher\Client Drawings\innovex\palace garage 1601\PALACE GARAGE VICINITY MAP.dwg



LEGEND:

⊙	SOIL BORING LOCATION
⊕	MONITORING WELL LOCATION
73	TPHG/GRO CONCENTRATIONS IN SOIL (MG/KG)
NS	NOT SAMPLED
bgs	BELOW GROUND SURFACE
mg/kg	MILLIGRAMS PER KILOGRAM

NOTES:

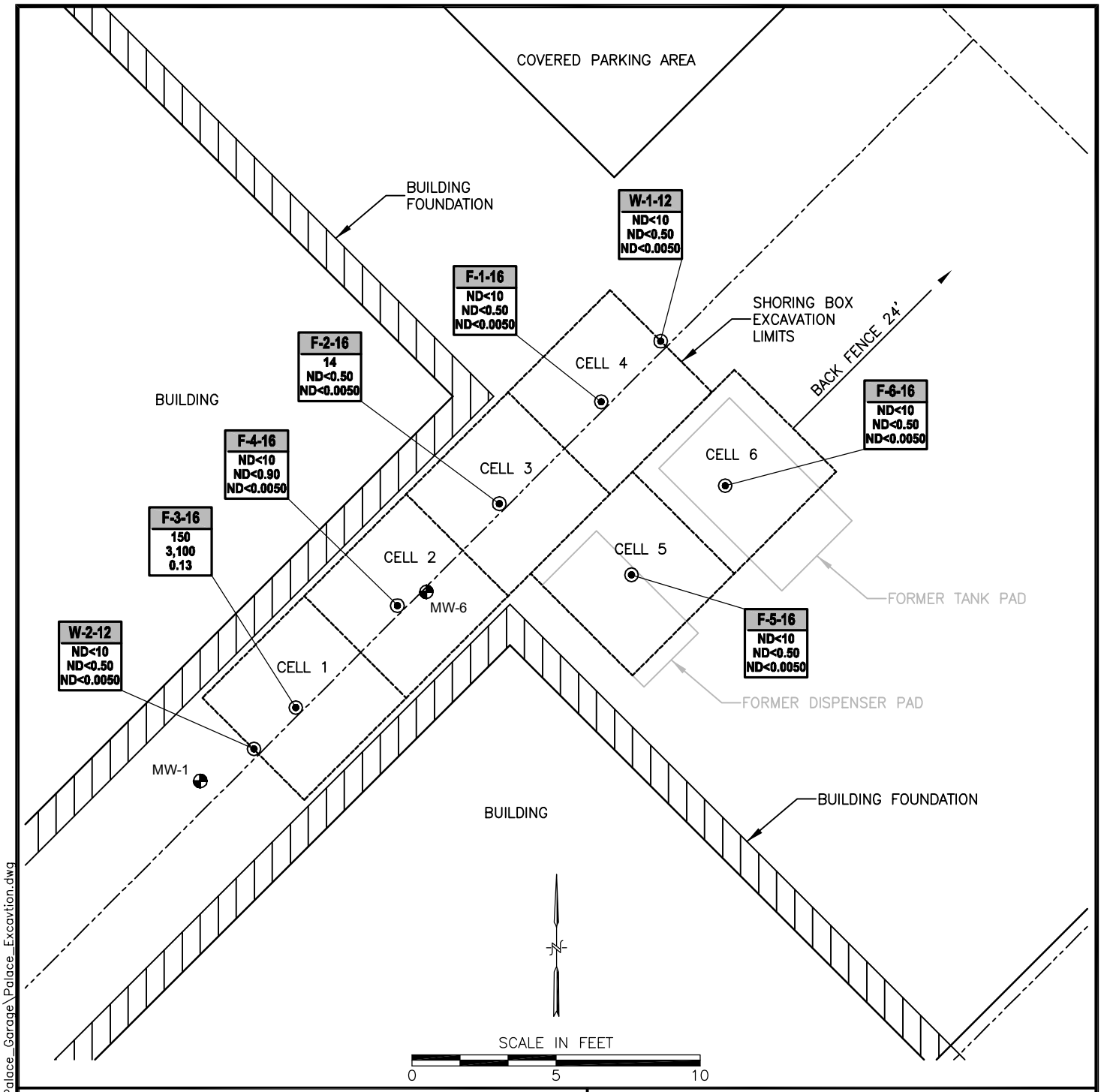
1. BASEMAP SOURCE: MORROW SURVEYING 02/05/03

FIGURE 2

TPHg/GRO CONCENTRATIONS IN SOIL
FROM 3 TO 16 FEET BGS

PALACE GARAE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

INNOVEX
ENVIRONMENTAL MANAGEMENT, INC.
4600 Northgate Boulevard •Suite 230
Sacramento • California •95834
Phone: (800) 988-7880



LEGEND:

- ⊙ SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- mg/kg MILLIGRAMS PER KILOGRAM

F-5-16
ND<10
ND<0.50
ND<0.0050

—SAMPLE NAME
—DRO, GRO and BENZENE CONCENTRATIONS (mg/kg)

NOTES:

1. BASEMAP SOURCE: MORROW SURVEYING 02/05/03

FIGURE 3

EXCAVATION AREA CONFIRMATION SOIL SAMPLE LOCATIONS

PALACE GARAE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

INNOVEX
ENVIRONMENTAL MANAGEMENT, INC.
4600 Northgate Boulevard •Suite 230
Sacramento • California •95834
Phone: (800) 988-7880

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TABLES

TABLE 1
SOIL ANALYTICAL DATA

Former Palace Garage
14336 Washington Avenue
San Leandro, California

Sample ID	Date Sampled	Depth (feet bgs)	TPHd/DRO (mg/kg)	TPHg/GRO (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Naphthalene (mg/kg)
SB-1	2/1/1999	10-10.5	--	440	0.51	2.6	8.1	47	<0.5	--
SB-1	2/1/1999	15-15-5	--	4,700	12	21	88	480	<10	--
SB-2	2/1/1999	10-10.5	--	<1.0	0.016	0.012	<0.005	0.016	<0.05	--
SB-2	2/1/1999	15-15-5	--	790	0.64	4.8	5.3	18	<0.5	--
SB-3	2/1/1999	10-10.5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-3	2/1/1999	15-15-5	--	<1.0	<0.005	0.021	<0.005	0.01	<0.05	--
SB-4	2/1/1999	10-10.5	--	<1.0	<0.005	0.01	<0.005	0.007	<0.05	--
SB-4	2/1/1999	15-15-5	--	35	0.029	0.32	0.13	0.22	<0.05	--
SB-5	3/23/1999	10-10.5	--	2.8	0.092	0.023	0.064	0.11	<10	--
SB-5	3/23/1999	15-15-5	--	1,900	4.3	14	35	170	<1	--
SB-6	3/23/1999	10-10.5	--	880	3.5	16	18	89	<10	--
SB-6	3/23/1999	15-15-5	--	3,200	22	160	89	460	<0.05	--
SB-7	3/23/1999	10-10.5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-7	3/23/1999	15-15-5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-8	7/29/1999	14-14.5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-9	7/29/1999	15-15-5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-10	7/29/1999	14-14.5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-11	7/29/1999	15-15-5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-12	7/29/1999	15-15-5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-13	7/29/1999	7.5-8	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-13	7/29/1999	15-15.5	--	460	6.3	3.3	13	42	<0.5	--
SB-14	7/29/1999	15-15-5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-15	7/29/1999	15-15-5	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--
SB-16-15	5/19/2000	15	--	<0.06	<0.005	<0.005	<0.005	<0.005	<0.005	--
SB-17-19	5/19/2000	19	--	0.292	<0.005	<0.005	<0.005	<0.005	<0.005	--
SB-18-16.5	7/26/2010	16.5	--	<0.5	<0.005	<0.005	<0.005	<0.010	--	--
MW-5	1/24/2012	13	--	<0.50	<0.005	<0.005	0.0076	0.0364	--	--
MW-6	1/24/2012	10	--	3,600	0.59	0.56	77	361	--	--
	1/24/2012	13	--	2,000	0.19	0.5	40	170	--	--
SB-19-3	10/7/2013	3	--	1.0	<0.005	0.0095	<0.010	<0.015	--	<0.005
SB-19-5	10/7/2013	5	--	0.69	<0.005	0.0067	<0.005	<0.015	--	<0.005
SB-19-10	10/7/2013	10	--	0.66	<0.005	<0.005	<0.005	<0.015	--	<0.005
SB-20-3	10/7/2013	3	--	10	0.097	0.053	0.52	1.64	--	0.048
SB-20-5	10/7/2013	5	--	14	0.056	<0.005	0.53	0.166	--	1.4
SB-20-7	10/7/2013	7	--	550	0.12	<0.005	7.3	11.036	--	6.8
SB-20-10	10/7/2013	10	--	3500	0.35	0.15	51	129	--	29
SB-21-3	10/7/2013	3	--	<0.5	<0.005	0.027	<0.005	<0.015	--	<0.005
SB-21-5	10/7/2013	5	--	<0.5	<0.005	0.05	<0.005	<0.015	--	<0.005
SB-21-10	10/7/2013	10	--	<0.5	<0.005	<0.005	<0.005	<0.015	--	<0.005
SB-22-3	10/7/2013	3	--	1.6	<0.005	<0.005	0.036	0.012	--	<0.005
SB-22-5	10/7/2013	5	--	73	0.016	<0.005	1.2	1.91	--	3.7
SB-22-7	10/7/2013	7	--	8	<0.005	<0.005	0.089	0.2	--	0.28
SB-22-10	10/7/2013	10	--	1.6	<0.005	<0.005	0.017	<0.015	--	0.41
F-1-16	5/18/2015	16	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0150	--	ND<0.0050
F-2-16	5/19/2015	16	**14**	ND<0.50	ND<0.0050	**0.060**	ND<0.0050	**0.0668**	--	ND<0.0050
F-3-16	5/20/2015	16	**150**	**3100**	**0.13**	**0.39**	**42**	**183**	--	ND<0.0050
F-4-16	5/21/2015	16	ND<10	**0.90**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0150	--	ND<0.0050
F-5-16		16	**190**	**740**	ND<0.0050	**3.0**	**0.0081**	**11.1**	--	ND<0.0050
F-6-16		16	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0150	--	ND<0.0050
W-1-12	5/18/2015	12	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0150	--	ND<0.0050
W-2-12	5/20/2015	12	ND<10	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0150	--	ND<0.0050

Acronyms and Abbreviations:

< = Not detected at or above specified laboratory reporting limit
B = benzene
bgs = below ground surface
E = ethylbenzene
mg/kg = milligrams per kilogram (parts per million [ppm])
T = toluene
TPHg/GRP = total petroleum hydrocarbons as gasoline/Gasoline Range Organics (C6-C12)
X = total xylenes

ATTACHMENT A
HCDEH CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

August 14, 2014

Mr. Jeff Kerry
Kerry & Associates
151 Callan Avenue, Suite 300
San Leandro, CA 94577
(sent via electronic mail to:
djkerry1@aol.com)

Mr. Jeffery Kerry
Jeffery & Dolores Kerry Trust & Jame Donnelley et. al.
19655 North Ripon Road
Ripon, CA 95366

Subject: Conditional Interim Remedial Action Plan Approval; Fuel Leak Case No. RO00000208; Palace Garage (Global ID #T0600101043), 14336 Washington Avenue, San Leandro, CA 94578

Dear Mr. Kerry:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Interim Remedial Action Plan,* dated June 30, 2014, and the *Excavation Cost Breakdown*, dated August 13, 2014. Thank you for submitting the report and data.

A discussed in the directive letter (email) dated June 11, 2014 the site fails two Low-Threat Closure Policy (LTCP) criteria. It appears that a shallow secondary soil source remains beneath the site and as a result, a vapor intrusion risk is present to site and adjacent offsite buildings. In order to mitigate a vapor intrusion risk, and move the site towards closure, an Interim Remedial Action Plan (IRAP) was requested. The referenced IRAP report proposed the excavation of soil to a depth of approximately 16 feet below grade surface (bgs). The *Excavation Cost Breakdown* also indicates that this cost option appears to be the least expensive option, including of those provided in the *Revised Draft Corrective Action Plan Addendum*, dated April 10, 2013. Those costs were generally generated prior to incorporation of the LTCP into remedial option considerations.

Based on ACEH staff review of the IRAP, ACEH is in general agreement with the proposed scope of work and the work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed field investigation. Submittal of a Revised IRAP is not required unless an alternate scope of work outside that described in the work plan or 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. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **IRAP Modifications** – The referenced IRAP proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests a modification to the approach. Please submit a report by the date specified below.

    a. **Groundwater Monitoring Well Destruction** – Well MW-6 is within the defined area of excavation; please ensure that the well is destroyed in accordance with Alameda County Public Work Agency policy prior to initiation of excavation.

    b. **Lateral and Vertical Confirmation Sampling** – The IRAP proposes the use of sheet piling on the northwest and southeast edge of the excavation due to the presence of two structures immediately adjacent to the proposed excavation area, and a threat of structural instability to the structures. Due to these limitations, please ensure excavation confirmation soil samples are collected in areas in which sampling is not restricted by sheet piles.

ACEH additionally requests excavation bottom confirmation samples. The IRAP assumes that the depth of groundwater will be coincident with higher soil concentrations detected at a depth of approximately 15 to 15.5 feet. It may not be. It also appears that the intent of extending the excavation to approximately 16 feet below grade surface (bgs) is to remove impacted soil at that depth in order to reduce groundwater concentrations. Documentation of residual impacts is appropriate.

c. **TPHd and Naphthalene Contaminants of Concern** - Analytical sampling (as requested in Technical Comment 2b above) is requested to include known specific contaminants of concern at the site, and is also requested to include TPH as diesel (TPHd) and naphthalene. Naphthalene concentrations in soil bores SB-20 and SB-22 were significantly higher than normally expected for the associated Total Petroleum Hydrocarbon as gasoline (TPHg) concentrations in soil samples (per the Leaking Underground Fuel Tank (LUFT) Guidance Manual, SWRCB, 2012). The presence of higher total xylene than benzene concentrations in early soil samples is also a potential indication of the release of diesel at the site. Thus it appears that TPH as diesel (TPHd) may have also been stored at the site in addition to gasoline. The lack of TPHd analysis may mischaracterize residual concentrations at the site.

d. **Dust and Traffic Control** – In addition to excavation dust control, please ensure that dust control of loading and off-haul operations is actively managed onsite prior to leaving the site boundaries. Please also ensure that traffic control of vehicles leaving the property is properly managed.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the following specified file naming convention and schedule:

- **November 14, 2014** – Interim Remediation Results
  File to be named: RO208_IR_R_yyyy-mm-dd

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.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou, email, c=US
Date: 2014.08.14 16:10:46 -07'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations and Electronic Report Upload (ftp) Instructions

cc: Matthew Farris, Closure Solutions, Inc, 4600 Northgate Blvd, Suite 230, Sacramento, CA 95834 (sent via electronic mail to: mfarris@closuresolutions.com)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

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.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). 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, 6835, 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, later 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 SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) 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.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   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.

ATTACHMENT B
SOIL DISPOSAL DOCUMENTATION

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Sharmaine Jones
Deposit: Sharmaine Jones
BILL TO: 2562
DIRT SHOP, INC

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 001
TRLR/LP#: 130 8P92289

Origin: SAN LEANDRO
DATE IN: 05/18/2015 TIME IN: 09:57:51
DATE OUT: 05/18/2015 TIME OUT: 10:18:51

INBOUND TICKET Number: 01-00567624

SCALE 1 GROSS WT.	66940	LB
SCALE 3 TARE WT.	25780	LB
NET WEIGHT	41160	LB

Qty	Description	Amount
20.58	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: D07 005
TRLR/LP#: 7J41994

Origin: SAN LEANDRO
DATE IN: 05/18/2015 TIME IN: [illegible]
DATE OUT: 05/18/2015 TIME OUT: 12:36:05

INBOUND TICKET Number: 01-00567725

SCALE 1 GROSS WT.	51340	LB
SCALE 3 TARE WT.	24580	LB
NET WEIGHT	26760	LB

Qty	Description	Amount
13.38	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411 NO#
TRLR/LP#: 7N37265

Origin: SAN LEANDRO
DATE IN: 05/18/2015 TIME IN: 12:43:46
DATE OUT: 05/18/2015 TIME OUT: 13:05:03

INBOUND TICKET Number: 01-00567755

SCALE 1 GROSS WT.	57200	LB
SCALE 3 TARE WT.	25140	LB
NET WEIGHT	32060	LB

Qty	Description	Amount
16.03	Profile Soil-T ADC	

X

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Sharmaine Jones
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 05 002
TRLR/LP#: 56838T1

Origin: SAN LEANDRO
DATE IN: 05/18/2015 TIME IN: 10:15:11
DATE OUT: 05/18/2015 TIME OUT: 10:34:17

INBOUND TICKET Number: 01-00567638

SCALE 1 GROSS WT.	49700	LB
SCALE 3 TARE WT.	25560	LB
NET WEIGHT	24140	LB

Qty	Description	Amount
12.07	Profile Soil-T ADC	

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 06 003
TRLR/LP#: 36925J1

Origin: SAN LEANDRO
DATE IN: 05/18/2015 TIME IN: 10:49:34
DATE OUT: 05/18/2015 TIME OUT: 11:01:57

INBOUND TICKET Number: 01-00567660

SCALE 1 GROSS WT.	48640	LB
SCALE 3 TARE WT.	22960	LB
NET WEIGHT	25680	LB

Qty	Description	Amount
12.84	Profile Soil-T ADC	

X

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 108 005
TRLR/LP#: 36662J1

Origin: SAN LEANDRO
DATE IN: 05/19/2015 TIME IN: 10:51:46
DATE OUT: 05/19/2015 TIME OUT: 11:10:58

INBOUND TICKET Number: 01-00568122

SCALE 1 GROSS WT.	54040	LB
SCALE 3 TARE WT.	24680	LB
NET WEIGHT	29360	LB

Qty	Description	Amount
14.68	Profile Soil-T ADC	

X

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 06 003
TRLR/LP#: 36925J1

Origin: SAN LEANDRO
DATE IN: 05/19/2015 TIME IN: 10:12:37
DATE OUT: 05/19/2015 TIME OUT: 10:36:13

INBOUND TICKET Number: 01-00568090

SCALE 1 GROSS WT.	53060	LB
SCALE 3 TARE WT.	23100	LB
NET WEIGHT	29960	LB

Qty	Description	Amount
14.98	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 05 002
TRLR/LP#: 56838T1

Origin: SAN LEANDRO
DATE IN: 05/19/2015 TIME IN: 10:06:22
DATE OUT: 05/19/2015 TIME OUT: 10:33:30

INBOUND TICKET Number: 01-00568082

SCALE 1 GROSS WT.	53280	LB
SCALE 3 TARE WT.	25580	LB
NET WEIGHT	27700	LB

Qty	Description	Amount
13.85	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: D07 004
TRLR/LP#: 7J41994

Origin: SAN LEANDRO
DATE IN: 05/19/2015 TIME IN: 10:22:52
DATE OUT: 05/19/2015 TIME OUT: 10:45:51

INBOUND TICKET Number: 01-00568101

SCALE 1 GROSS WT.	55260	LB
SCALE 3 TARE WT.	24660	LB
NET WEIGHT	30600	LB

Qty	Description	Amount
15.30	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Sharmaine Jones
Deposit: Sharmaine Jones
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411
TRLR/LP#: 7N37265

Origin: SAN LEANDRO
DATE IN: 05/19/2015 TIME IN: 09:54:02
DATE OUT: 05/19/2015 TIME OUT: 10:15:33

INBOUND TICKET Number: 01-00568069

SCALE 1 GROSS WT.	53720	LB
SCALE 3 TARE WT.	25140	LB
NET WEIGHT	28580	LB

Qty	Description	Amount
14.29	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N BLUE
Route: 01 003
TRLR/LP#: 42038M1

Origin: SAN LEANDRO
DATE IN: 05/21/2015 TIME IN: 10:39:07
DATE OUT: 05/21/2015 TIME OUT: 10:59:57

INBOUND TICKET Number: 01-00568742

SCALE 1 GROSS WT.	59080	LB
SCALE 3 TARE WT.	25400	LB
NET WEIGHT	33680	LB

Qty	Description	Amount
16.84	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N DONT CLEAN OUT TRUCK ON ROAD
Route: 01 002
TRLR/LP#: 7H69478

Origin: SAN LEANDRO
DATE IN: 05/21/2015 TIME IN: 10:35:57
DATE OUT: 05/21/2015 TIME OUT: 10:56:36

INBOUND TICKET Number: 01-00568740

SCALE 1 GROSS WT.	56280	LB
SCALE 3 TARE WT.	25720	LB
NET WEIGHT	30560	LB

Qty	Description	Amount
15.28	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411 001
TRLR/LP#: 7N37265

Origin: SAN LEANDRO
DATE IN: 05/21/2015 TIME IN: 10:29:04
DATE OUT: 05/21/2015 TIME OUT: 10:49:22

INBOUND TICKET Number: 01-00568738

SCALE 1 GROSS WT.	58600	LB
SCALE 3 TARE WT.	25160	LB
NET WEIGHT	33440	LB

Qty	Description	Amount
16.72	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411 001
TRLR/LP#: 7N37265

Origin: SAN LEANDRO
DATE IN: 05/22/2015 TIME IN: 08:36:04
DATE OUT: 05/22/2015 TIME OUT: 08:51:58

INBOUND TICKET Number: 01-00568960

SCALE 1 GROSS WT.	60520	LB
SCALE 3 TARE WT.	25280	LB
NET WEIGHT	35240	LB

Qty	Description	Amount
17.6	Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 05 002
TRLR/LP#: 56838T1

Origin: SAN LEANDRO
DATE IN: 05/22/2015 TIME IN: 08:35:04
DATE OUT: 05/22/2015 TIME OUT: 08:50:10

INBOUND TICKET Number: 01-00568959

SCALE 1 GROSS WT.	55700	LB
SCALE 3 TARE WT.	25420	LB
NET WEIGHT	30280	LB

Qty	Description	Amount
15.14	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: Y
Route: 01 BLUE 05
TRLR/LP#: 42038M1

Origin: SAN LEANDRO
DATE IN: 05/26/2015 TIME IN: 11:48:24
DATE OUT: 05/26/2015 TIME OUT: 12:24:33

INBOUND TICKET Number: 01-00569669

SCALE 1 GROSS WT.	59340	LB
SCALE 3 TARE WT.	25600	LB
NET WEIGHT	33740	LB

Qty	Description	Amount
16.87	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: D7 03
TRLR/LP#: 7J41994

Origin: SAN LEANDRO
DATE IN: 05/26/2015 TIME IN: 10:29:56
DATE OUT: 05/26/2015 TIME OUT: 10:54:03

INBOUND TICKET Number: 01-00569621

SCALE 1 GROSS WT.	62340	LB
SCALE 3 TARE WT.	24480	LB
NET WEIGHT	37860	LB

Qty	Description	Amount
18.93	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 06 04
TRLR/LP#: 36925J1

Origin: SAN LEANDRO
DATE IN: 05/26/2015 TIME IN: 11:17:55
DATE OUT: 05/26/2015 TIME OUT: 11:35:08

INBOUND TICKET Number: 01-00569649

SCALE 1 GROSS WT.	56260	LB
SCALE 3 TARE WT.	21620	LB
NET WEIGHT	34640	LB

Qty	Description	Amount
17.32	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Sharmaine Jones
Deposit: Sharmaine Jones
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 05 02
TRLR/LP#: 56838T1

Origin: SAN LEANDRO
DATE IN: 05/26/2015 TIME IN: 09:54:16
DATE OUT: 05/26/2015 TIME OUT: 10:07:11

INBOUND TICKET Number: 01-00569600

SCALE 1 GROSS WT.	60900	LB
SCALE 3 TARE WT.	25420	LB
NET WEIGHT	35480	LB

Qty	Description	Amount
17.74	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411 06
TRLR/LP#: 7N37265

Origin: SAN LEANDRO
DATE IN: 05/26/2015 TIME IN: 14:54:35
DATE OUT: 05/26/2015 TIME OUT: 15:14:28

INBOUND TICKET Number: 01-00569756

SCALE 1 GROSS WT.	56280	LB
SCALE 3 TARE WT.	24940	LB
NET WEIGHT	31340	LB

Qty	Description	Amount
15.67	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Sharmaine Jones
Deposit: Sharmaine Jones
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411 01
TRLR/LP#: 7A[illegible]5

Origin: SAN LEANDRO
DATE IN: 05/26/2015 TIME IN: 09:32:00
DATE OUT: 05/26/2015 TIME OUT: 09:55:49

INBOUND TICKET Number: 01-00569589

SCALE 1 GROSS WT.	63520	LB
SCALE 3 TARE WT.	25140	LB
NET WEIGHT	38380	LB

Qty	Description	Amount
19.19	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 69 002
TRLR/LP#: 25776R1

Origin: SAN LEANDRO
DATE IN: 05/27/2015 TIME IN: 08:39:55
DATE OUT: 05/27/2015 TIME OUT: 09:06:23

INBOUND TICKET Number: 01-00569918

SCALE 1 GROSS WT.	59500	LB
SCALE 3 TARE WT.	23880	LB
NET WEIGHT	[illegible]	LB

Qty	Description	Amount
17.81	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 01 003
TRLR/LP#: 7H69478

Origin: SAN LEANDRO
DATE IN: 05/27/2015 TIME IN: 09:40:20
DATE OUT: 05/27/2015 TIME OUT: 10:06:29

INBOUND TICKET Number: 01-00569945

SCALE 1 GROSS WT.	60340	LB
SCALE 3 TARE WT.	25600	LB
NET WEIGHT	34740	LB

Qty	Description	Amount
17.37	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 108 005
TRLR/LP#: 3662J1

Origin: SAN LEANDRO
DATE IN: 05/27/2015 TIME IN: 10:02:37
DATE OUT: 05/27/2015 TIME OUT: 10:25:23

INBOUND TICKET Number: 01-00569956

SCALE 1 GROSS WT.	50460	LB
SCALE 3 TARE WT.	24680	LB
NET WEIGHT	25780	LB

Qty	Description	Amount
12.89	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 01 004
TRLR/LP#: 42038M1

Origin: FAIRFIELD
DATE IN: 05/27/2015 TIME IN: 10:00:44
DATE OUT: 05/27/2015 TIME OUT: 10:17:38

INBOUND TICKET Number: 01-00569955

SCALE 1 GROSS WT.	63660	LB
SCALE 3 TARE WT.	25160	LB
NET WEIGHT	38500	LB

Qty	Description	Amount
19.25	Profile Soil-T ADC	

X_____

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Deposit: Jaclyn Deleon
BILL TO: 2562
DIRT SHOP, INC.

Vehicle ID:
Reference: PHLF15298
Grid: 12N
HaulCust#: SAN LEANDRO
DriverOn?: N
Route: 411 001
TRLR/LP#: 7N37265

Origin: SAN LEANDRO
DATE IN: 05/27/2015 TIME IN: 08:43:33
DATE OUT: 05/27/2015 TIME OUT: 09:05:22

INBOUND TICKET Number: 01-00569920

SCALE 1 GROSS WT.	60700	LB
SCALE 3 TARE WT.	25100	LB
NET WEIGHT	35600	LB

Qty	Description	Amount
17.80	Profile Soil-T ADC	

X_____

INNER CITY RECYCLING, INC
Subsidiary of Inner City Demolition
9009 Railroad Ave
Oakland CA 94603
PHONE:(510) 568-ROCK (7625)

Invoice

Date	Invoice #
5/18/2015	15-2689

Bill To

INNOVEX Environmental Management, Inc.
2300 Clayton Road, Suite 1435
Concord CA 94520

Remit To

7172 Regional Street, #361
Dublin CA 94568

P.O. Number	Terms	ICR Location	Project
14336 WASHINGTON ...	Net 30	Oakland Yard	14336 14336 WASHINGTON AVE., SAN LEAND...

Quantity	Description	Price Each	Amount
2	A/C Disposal - Ten Wheeler	100.00	200.00
38.68	3/4" Recycled AB	6.00	232.08T

OK - Ac Disposal
MF 1607.04.03

Subtotal	$432.08
Sales Tax (9.5%)	$22.05
Total	$454.13

Thank you for your business.

ATTACHMENT C
COMPACTION TEST REPORT

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd, Suite 200
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

Project No.: 2015-019
Page 1 of 1

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. / Density Std.
5-28-15	2015-019	INNOVEX SAN LEANDRO	AGGREGATE BASE	MC-3-2 / 35473
Inspector	**Project Engineer**	**Other**		**Moisture Std**
O-CHAVEZ		BRAD LUNASIO		7181
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
HAY-7593	126.3 pcf		9.0%	BOMAG COMPACTOR
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
95%			ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
1		8"	136.4	11.3	125.1	9.6	99%		-3'
2		8"	136.6	10.1	124.0	9.0	99.0%		-1'
3		8"	134.6	14.0	120.6	11.6	95.0%		-4'
		Average	0.00	0.00	0.00	0.00	0.00		

Remarks: _____

Inspector: _____ Reviewed: _____

ATTACHMENT D
LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

29 May 2015

Matt Farris
Innovex-Environmental Management, Inc.
2300 Clayton Rd. Suite 1435
Concord, CA 94520

RE: Palace Garage

Enclosed are the results of analyses for samples received by the laboratory on 05/23/15 08:59. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F-1-16	T151245-01	Soil	05/18/15 11:40	05/23/15 08:59
F-2-16	T151245-02	Soil	05/19/15 08:40	05/23/15 08:59
W-1-12	T151245-03	Soil	05/18/15 11:00	05/23/15 08:59
F-3-16	T151245-04	Soil	05/20/15 09:20	05/23/15 08:59
W-2-12	T151245-05	Soil	05/20/15 10:30	05/23/15 08:59
F-4-16	T151245-06	Soil	05/21/15 00:00	05/23/15 08:59

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

DETECTIONS SUMMARY

Sample ID: F-1-16 **Laboratory ID:** T151245-01

No Results Detected

Sample ID: F-2-16 **Laboratory ID:** T151245-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**14**	10	mg/kg	EPA 8015C	
Ethylbenzene	**0.060**	0.0050	mg/kg	EPA 8260B	
m,p-Xylene	**0.061**	0.010	mg/kg	EPA 8260B	
o-Xylene	**0.0058**	0.0050	mg/kg	EPA 8260B	
C6-C12 (GRO)	**10**	0.50	mg/kg	EPA 8260B	

Sample ID: W-1-12 **Laboratory ID:** T151245-03

No Results Detected

Sample ID: F-3-16 **Laboratory ID:** T151245-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**150**	10	mg/kg	EPA 8015C	
Benzene	**0.13**	0.0050	mg/kg	EPA 8260B	
Toluene	**0.39**	0.0050	mg/kg	EPA 8260B	
Ethylbenzene	**42**	2.5	mg/kg	EPA 8260B	
m,p-Xylene	**130**	5.0	mg/kg	EPA 8260B	
o-Xylene	**53**	2.5	mg/kg	EPA 8260B	
C6-C12 (GRO)	**3100**	250	mg/kg	EPA 8260B	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

Sample ID: W-2-12 **Laboratory ID:** T151245-05

No Results Detected

Sample ID: F-4-16 **Laboratory ID:** T151245-06

Analyte	Result	Reporting Limit	Units	Method	Notes
C6-C12 (GRO)	**0.90**	0.50	mg/kg	EPA 8260B	

SunStar Laboratories, Inc.

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Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

F-1-16

T151245-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	10	mg/kg	1	5052634	05/26/15	05/27/15	EPA 8015C	
Surrogate: p-Terphenyl		*113 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5052420	05/24/15	05/27/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	"	"	"	"	"	
C6-C12 (GRO)	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.9 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*132 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

F-2-16

T151245-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**14**	10	mg/kg	1	5052634	05/26/15	05/27/15	EPA 8015C	
Surrogate: p-Terphenyl		*115 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5052420	05/24/15	05/26/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.060**	0.0050	"	"	"	"	"	"	
m,p-Xylene	**0.061**	0.010	"	"	"	"	"	"	
o-Xylene	**0.0058**	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	"	"	"	"	"	
C6-C12 (GRO)	**10**	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*134 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

W-1-12

T151245-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	10	mg/kg	1	5052634	05/26/15	05/27/15	EPA 8015C	
Surrogate: p-Terphenyl		*113 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5052420	05/24/15	05/26/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	"	"	"	"	"	
C6-C12 (GRO)	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*134 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*91.9 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

F-3-16

T151245-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**150**	10	mg/kg	1	5052634	05/26/15	05/27/15	EPA 8015C	
Surrogate: p-Terphenyl		*114 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5052420	05/24/15	05/26/15	EPA 8260B	
Benzene	**0.13**	0.0050	"	"	"	"	"	"	
Toluene	**0.39**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**42**	2.5	"	500	"	"	"	"	
m,p-Xylene	**130**	5.0	"	"	"	"	"	"	
o-Xylene	**53**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	1	"	"	"	"	
C6-C12 (GRO)	**3100**	250	"	500	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*132 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*87.6 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

W-2-12

T151245-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	10	mg/kg	1	5052634	05/26/15	05/27/15	EPA 8015C	
Surrogate: p-Terphenyl		*111 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5052420	05/24/15	05/27/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	"	"	"	"	"	
C6-C12 (GRO)	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

F-4-16

T151245-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	10	mg/kg	1	5052634	05/26/15	05/27/15	EPA 8015C	
Surrogate: p-Terphenyl		*114 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5052420	05/24/15	05/27/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	"	"	"	"	"	
C6-C12 (GRO)	**0.90**	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5052634 - EPA 3550B GC										
Blank (5052634-BLK1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Diesel Range Hydrocarbons	ND	10	mg/kg							
Surrogate: p-Terphenyl	*112*		*"*	*99.8*		*113*	*65-135*			
LCS (5052634-BS1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Diesel Range Hydrocarbons	500	10	mg/kg	500		101	75-125			
Surrogate: p-Terphenyl	*110*		*"*	*99.9*		*110*	*65-135*			
Matrix Spike (5052634-MS1)	**Source: T151244-10**			Prepared: 05/26/15 Analyzed: 05/27/15						
Diesel Range Hydrocarbons	500	10	mg/kg	500	ND	101	75-125			
Surrogate: p-Terphenyl	*109*		*"*	*99.9*		*109*	*65-135*			
Matrix Spike Dup (5052634-MSD1)	**Source: T151244-10**			Prepared: 05/26/15 Analyzed: 05/27/15						
Diesel Range Hydrocarbons	510	10	mg/kg	500	ND	101	75-125	0.485	20	
Surrogate: p-Terphenyl	*110*		*"*	*100*		*110*	*65-135*			

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5052420 - EPA 5030 GCMS										
Blank (5052420-BLK1)				Prepared: 05/24/15 Analyzed: 05/26/15						
Bromobenzene	ND	0.0050	mg/kg							
Bromochloromethane	ND	0.0050	"							
Bromodichloromethane	ND	0.0050	"							
Bromoform	ND	0.0050	"							
Bromomethane	ND	0.0050	"							
n-Butylbenzene	ND	0.0050	"							
sec-Butylbenzene	ND	0.0050	"							
tert-Butylbenzene	ND	0.0050	"							
Carbon tetrachloride	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
Chloroethane	ND	0.0050	"							
Chloroform	ND	0.0050	"							
Chloromethane	ND	0.0050	"							
2-Chlorotoluene	ND	0.0050	"							
4-Chlorotoluene	ND	0.0050	"							
Dibromochloromethane	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.010	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Dibromomethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
Dichlorodifluoromethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethene	ND	0.0050	"							
cis-1,2-Dichloroethene	ND	0.0050	"							
trans-1,2-Dichloroethene	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3-Dichloropropane	ND	0.0050	"							
2,2-Dichloropropane	ND	0.0050	"							
1,1-Dichloropropene	ND	0.0050	"							
cis-1,3-Dichloropropene	ND	0.0050	"							
trans-1,3-Dichloropropene	ND	0.0050	"							
Hexachlorobutadiene	ND	0.0050	"							
Isopropylbenzene	ND	0.0050	"							

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5052420 - EPA 5030 GCMS										
Blank (5052420-BLK1)				Prepared: 05/24/15 Analyzed: 05/26/15						
p-Isopropyltoluene	ND	0.0050	mg/kg							
Methylene chloride	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
Trichloroethene	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.020	"							
Tert-butyl alcohol	ND	0.050	"							
Di-isopropyl ether	ND	0.020	"							
Ethyl tert-butyl ether	ND	0.020	"							
Methyl tert-butyl ether	ND	0.020	"							
C6-C12 (GRO)	ND	0.50	"							
Surrogate: 4-Bromofluorobenzene	*0.0382*		"	*0.0399*		*95.6*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0430*		"	*0.0399*		*108*	*95.7-135*			
Surrogate: Toluene-d8	*0.0377*		"	*0.0399*		*94.4*	*85.5-116*			

SunStar Laboratories, Inc.

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Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
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Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5052420 - EPA 5030 GCMS										
LCS (5052420-BS1)				Prepared: 05/24/15 Analyzed: 05/26/15						
Chlorobenzene	0.101	0.0050	mg/kg	0.0996		102	75-125			
1,1-Dichloroethene	0.0884	0.0050	"	0.0996		88.8	75-125			
Trichloroethene	0.0980	0.0050	"	0.0996		98.4	75-125			
Benzene	0.102	0.0050	"	0.0996		102	75-125			
Toluene	0.0922	0.0050	"	0.0996		92.6	75-125			
Surrogate: 4-Bromofluorobenzene	*0.0425*		*"*	*0.0398*		*107*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0520*		*"*	*0.0398*		*131*	*95.7-135*			
Surrogate: Toluene-d8	*0.0370*		*"*	*0.0398*		*92.7*	*85.5-116*			
Matrix Spike (5052420-MS1)		**Source: T151244-01**		Prepared: 05/24/15 Analyzed: 05/26/15						
Chlorobenzene	0.0949	0.0050	mg/kg	0.101	ND	94.0	75-125			
1,1-Dichloroethene	0.0951	0.0050	"	0.101	ND	94.1	75-125			
Trichloroethene	0.0978	0.0050	"	0.101	ND	96.8	75-125			
Benzene	0.103	0.0050	"	0.101	ND	102	75-125			
Toluene	0.0984	0.0050	"	0.101	ND	97.4	75-125			
Surrogate: 4-Bromofluorobenzene	*0.0394*		*"*	*0.0404*		*97.5*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0523*		*"*	*0.0404*		*129*	*95.7-135*			
Surrogate: Toluene-d8	*0.0416*		*"*	*0.0404*		*103*	*85.5-116*			
Matrix Spike Dup (5052420-MSD1)		**Source: T151244-01**		Prepared: 05/24/15 Analyzed: 05/26/15						
Chlorobenzene	0.101	0.0050	mg/kg	0.101	ND	100	75-125	6.38	20	
1,1-Dichloroethene	0.0990	0.0050	"	0.101	ND	98.2	75-125	4.11	20	
Trichloroethene	0.0956	0.0050	"	0.101	ND	94.8	75-125	2.29	20	
Benzene	0.0990	0.0050	"	0.101	ND	98.2	75-125	3.90	20	
Toluene	0.0853	0.0050	"	0.101	ND	84.6	75-125	14.2	20	
Surrogate: 4-Bromofluorobenzene	*0.0401*		*"*	*0.0403*		*99.4*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0520*		*"*	*0.0403*		*129*	*95.7-135*			
Surrogate: Toluene-d8	*0.0387*		*"*	*0.0403*		*95.9*	*85.5-116*			

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	05/29/15 14:34

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: INNOVEX
Address: 3900 Lennane Dr. Sacramento
Phone: 916 760-7579 Fax:
Project Manager: M. Farris

Date: 5/18/15 Page: 1 Of 1
Project Name: Palace Garage
Collector: M. Farris Client Project #:
Batch #: T151245 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260-GRO, BTEX, MtBE	8260 +~~OXY~~ DRO, Naphthalene	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Laboratory ID #	Comments/Preservative	Total # of containers
F-1-16	5/18/15	1140	Soil	Sleeve	X	X												01		
F-2-16	5/19/15	0840			X	X												02		
W-1-12	5/18/15	1100			X	X												03		
F-3-16	5/20/15	0920			X	X												04		
W-2-12	5/20/15	1030			X	X												05		
F-4-16	5/21/15		Soil	Sleeve	X	X												06		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Matt Farris	5/22/15 1400	[signature]	5/22/15 1400
GSO	5-23-15 859	[signature]	5-23-15 859
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA: Y
Seals intact? Y/N/NA: Y
Received good condition/cold: Y

Turn around time: STD

Notes
5.6

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

COC 101626

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # T151245

Client Name: Innovex Project: Palace Garage

Received by: Don M. Date/Time Received: 5-23-15 859

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other _____

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 5.8 °C +/- the CF (- 0.2°C) = 5.6 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☒Yes	☐No*	☐N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒Yes	☐No*	
Total number of containers received match COC	☒Yes	☐No*	
Proper containers received for analyses requested on COC	☒Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☐Yes	☐No*	☒N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date DM 5-23-15

Comments:

_____

_____

_____

_____

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T151245

Client:	**Innovex-Environmental Management, Inc.**	**Project Manager:**	**Katherine RunningCrane**
Project:	**Palace Garage**	**Project Number:**	**[none]**

Report To:

Innovex-Environmental Management, Inc.
Matt Farris
2300 Clayton Rd. Suite 1435
Concord, CA 94520

Date Due:	05/29/15 17:00 (3 day TAT)		
Received By:	Dan Marteski	Date Received:	05/23/15 08:59
Logged In By:	Dan Marteski	Date Logged In:	05/23/15 10:39

Samples Received at:	**5.6°C**		
Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	No		

Analysis	Due	TAT	Expires	Comments
T151245-01 F-1-16 [Soil] Sampled 05/18/15 11:40 (GMT-08:00) Pacific Time (US &				
8015 Diesel	05/29/15 15:00	3	06/01/15 11:40	
8260	05/29/15 15:00	3	06/01/15 11:40	BTEX, MTBE, GRO & Naphthalene only
T151245-02 F-2-16 [Soil] Sampled 05/19/15 08:40 (GMT-08:00) Pacific Time (US &				
8015 Diesel	05/29/15 15:00	3	06/02/15 08:40	
8260	05/29/15 15:00	3	06/02/15 08:40	BTEX, MTBE, GRO & Naphthalene only
T151245-03 W-1-12 [Soil] Sampled 05/18/15 11:00 (GMT-08:00) Pacific Time (US &				
8015 Diesel	05/29/15 15:00	3	06/01/15 11:00	
8260	05/29/15 15:00	3	06/01/15 11:00	BTEX, MTBE, GRO & Naphthalene only
T151245-04 F-3-16 [Soil] Sampled 05/20/15 09:20 (GMT-08:00) Pacific Time (US &				
8015 Diesel	05/29/15 15:00	3	06/03/15 09:20	
8260	05/29/15 15:00	3	06/03/15 09:20	BTEX, MTBE, GRO & Naphthalene only
T151245-05 W-2-12 [Soil] Sampled 05/20/15 10:30 (GMT-08:00) Pacific Time (US &				
8015 Diesel	05/29/15 15:00	3	06/03/15 10:30	
8260	05/29/15 15:00	3	06/03/15 10:30	BTEX, MTBE, GRO & Naphthalene only

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T151245

Client:	**Innovex-Environmental Management, Inc.**	**Project Manager:**	**Katherine RunningCrane**
Project:	**Palace Garage**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
T151245-06 F-4-16 [Soil] Sampled 05/21/15 00:00 (GMT-08:00) Pacific Time (US &				
8015 Diesel	05/29/15 15:00	3	06/04/15 00:00	
8260	05/29/15 15:00	3	06/04/15 00:00	BTEX, MTBE, GRO & Naphthalene only

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

05 June 2015

Matt Farris
Innovex-Environmental Management, Inc.
2300 Clayton Rd. Suite 1435
Concord, CA 94520

RE: Palace Garage

Enclosed are the results of analyses for samples received by the laboratory on 06/02/15 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F-5-16	T151301-01	Soil	05/26/15 11:00	06/02/15 10:30
F-6-16	T151301-02	Soil	05/27/15 08:00	06/02/15 10:30

SunStar Laboratories, Inc.

Katherine RunningCrane, Project Manager

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Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

DETECTIONS SUMMARY

Sample ID: F-5-16 **Laboratory ID:** T151301-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**190**	10	mg/kg	EPA 8015C	
Toluene	**0.0081**	0.0050	mg/kg	EPA 8260B	
Ethylbenzene	**3.0**	0.25	mg/kg	EPA 8260B	
m,p-Xylene	**9.8**	0.50	mg/kg	EPA 8260B	
o-Xylene	**1.3**	0.25	mg/kg	EPA 8260B	
C6-C12 (GRO)	**740**	25	mg/kg	EPA 8260B	

Sample ID: F-6-16 **Laboratory ID:** T151301-02

No Results Detected

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

F-5-16

T151301-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**190**	10	mg/kg	1	5060213	06/02/15	06/03/15	EPA 8015C	
Surrogate: p-Terphenyl		*108 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5060217	06/02/15	06/02/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.0081**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**3.0**	0.25	"	50	"	"	"	"	
m,p-Xylene	**9.8**	0.50	"	"	"	"	"	"	
o-Xylene	**1.3**	0.25	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	1	"	"	"	"	
C6-C12 (GRO)	**740**	25	"	50	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*	*85.5-116*		"	"	"	"	

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

F-6-16

T151301-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	10	mg/kg	1	5060213	06/02/15	06/03/15	EPA 8015C	
Surrogate: p-Terphenyl		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Naphthalene	ND	0.0050	mg/kg	1	5060217	06/02/15	06/03/15	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.020	"	"	"	"	"	"	
C6-C12 (GRO)	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	

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Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5060213 - EPA 3550B GC										
Blank (5060213-BLK1)				Prepared & Analyzed: 06/02/15						
Diesel Range Hydrocarbons	ND	10	mg/kg							
Surrogate: p-Terphenyl	*106*		*"*	*100*		*106*	*65-135*			
LCS (5060213-BS1)				Prepared & Analyzed: 06/02/15						
Diesel Range Hydrocarbons	460	10	mg/kg	500		91.9	75-125			
Surrogate: p-Terphenyl	*105*		*"*	*100*		*105*	*65-135*			
Matrix Spike (5060213-MS1)	**Source: T151300-01**			Prepared: 06/02/15 Analyzed: 06/03/15						
Diesel Range Hydrocarbons	430	10	mg/kg	500	ND	85.9	75-125			
Surrogate: p-Terphenyl	*108*		*"*	*99.9*		*108*	*65-135*			
Matrix Spike Dup (5060213-MSD1)	**Source: T151300-01**			Prepared: 06/02/15 Analyzed: 06/03/15						
Diesel Range Hydrocarbons	430	10	mg/kg	500	ND	85.2	75-125	0.768	20	
Surrogate: p-Terphenyl	*107*		*"*	*100*		*107*	*65-135*			

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

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Providing Quality Analytical Services Nationwide

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Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5060217 - EPA 5030 GCMS										
Blank (5060217-BLK1)				Prepared & Analyzed: 06/02/15						
Naphthalene	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.020	"							
C6-C12 (GRO)	ND	0.50	"							
Surrogate: 4-Bromofluorobenzene	*0.0332*		"	*0.0400*		*83.1*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0410*		"	*0.0400*		*103*	*95.7-135*			
Surrogate: Toluene-d8	*0.0380*		"	*0.0400*		*95.1*	*85.5-116*			
LCS (5060217-BS1)				Prepared & Analyzed: 06/02/15						
Benzene	0.0965	0.0050	mg/kg	0.100		96.5	75-125			
Toluene	0.0934	0.0050	"	0.100		93.4	75-125			
Surrogate: 4-Bromofluorobenzene	*0.0384*		"	*0.0400*		*96.1*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0367*		"	*0.0400*		*91.8*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*0.0407*		"	*0.0400*		*102*	*85.5-116*			
Matrix Spike (5060217-MS1)		**Source: T151301-01**		Prepared & Analyzed: 06/02/15						
Benzene	0.0793	0.0050	mg/kg	0.100	ND	79.3	75-125			
Toluene	0.0900	0.0050	"	0.100	0.00810	81.8	75-125			
Surrogate: 4-Bromofluorobenzene	*0.0413*		"	*0.0400*		*103*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0404*		"	*0.0400*		*101*	*95.7-135*			
Surrogate: Toluene-d8	*0.0374*		"	*0.0400*		*93.5*	*85.5-116*			
Matrix Spike Dup (5060217-MSD1)		**Source: T151301-01**		Prepared & Analyzed: 06/02/15						
Benzene	0.0806	0.0050	mg/kg	0.100	ND	80.6	75-125	1.63	20	
Toluene	0.0835	0.0050	"	0.100	0.00810	75.4	75-125	7.50	20	
Surrogate: 4-Bromofluorobenzene	*0.0445*		"	*0.0400*		*111*	*81.2-123*			
Surrogate: Dibromofluoromethane	*0.0414*		"	*0.0400*		*103*	*95.7-135*			
Surrogate: Toluene-d8	*0.0410*		"	*0.0400*		*102*	*85.5-116*			

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Innovex-Environmental Management, Inc.	Project: Palace Garage	
2300 Clayton Rd. Suite 1435	Project Number: [none]	**Reported:**
Concord CA, 94520	Project Manager: Matt Farris	06/05/15 15:01

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.
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Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: INNOVEX Environmental
Address: 3900 Lennane Dr, Sacramento
Phone: 916-760-7579 Fax:
Project Manager: Mr. Farris

Date: 5/29/15 Page: 1 Of 1
Project Name: Palace Garage
Collector: Mr. Farris Client Project #:
Batch #: T151301 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 - DCE, 1,2DCA, BTEX	8260 + OXY MTBE, naphthalene	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Laboratory ID #	Comments/Preservative	Total # of containers
F-5-16	5/26/15	1100	Soil	Sleeve	X	X												01		
F-6-16	5/27/15	800	Soil	Sleeve	X	X												02		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	6/1/15 1345	for Darlee	6/1/15 1345
GSO	6/2/15 10:30	[signature]	6/2/15 10:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 1.2

Turn around time: STD

Notes
STD. TAT

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

COC 101622

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # T151301

Client Name: Innovex Project: Palace Garage

Received by: Rose Date/Time Received: 6/2/15 10:30

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other _____

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 5.0 °C +/- the CF (- 0.2°C) = 4.8 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒ Yes	☐ No*	☐ N/A
Custody Seals Intact on Cooler/Sample	☐ Yes	☐ No*	☒ N/A
Sample Containers Intact	☒ Yes	☐ No*	
Sample labels match COC ID's	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date RF 6/2/15

Comments:

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T151301

Client: **Innovex-Environmental Management, Inc.** **Project Manager:** **Katherine RunningCrane**

Project: **Palace Garage** **Project Number:** **[none]**

Report To:

Innovex-Environmental Management, Inc.
Matt Farris
2300 Clayton Rd. Suite 1435
Concord, CA 94520

Date Due:	06/05/15 17:00 (3 day TAT)		
Received By:	Rose Fasheh	Date Received:	06/02/15 10:30
Logged In By:	Rose Fasheh	Date Logged In:	06/02/15 10:46

Samples Received at: **5°C**

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Analysis	Due	TAT	Expires	Comments
T151301-01 F-5-16 [Soil] Sampled 05/26/15 11:00 (GMT-08:00) Pacific Time (US &				
8015 Diesel	06/05/15 15:00	3	06/09/15 11:00	
8260	06/05/15 15:00	3	06/09/15 11:00	GRO, BTEX, MTBE, and Napthalene
T151301-02 F-6-16 [Soil] Sampled 05/27/15 08:00 (GMT-08:00) Pacific Time (US &				
8015 Diesel	06/05/15 15:00	3	06/10/15 08:00	
8260	06/05/15 15:00	3	06/10/15 08:00	GRO, BTEX, MTBE, and Napthalene

Reviewed By

Date