FINAL
DRUM DISPOSAL SUMMARY REPORT
DOYLE DRIVE REPLACEMENT PROJECT

SAN FRANCISCO, CALIFORNIA

APRIL 2009

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1 INTRODUCTION

This Drum Disposal Summary Report (Report) presents a summary of sampling, analyses, and disposal activities conducted by AEW Engineering, Inc (AEW) on the investigative derived wastes (IDWs) generated under the geotechnical exploratory investigation program performed by Arup PB Joint Venture (Arup PB JV) on the Doyle Drive Replacement Project (the Project), San Francisco, California. AEW's scope of work was performed under contract with Arup PB JV as part of the Project located in San Francisco, California. The Project is located within the Presidio National Park along the northern edge of the City of San Francisco. IDWs were stored in 55-gallon drums. The work included sampling, profiling and disposal of soil, sludge, and water drums derived from the geotechnical exploratory program for the Project.

1.1 PROJECT OVERVIEW

The Project involves the replacement of a 1.8 mile stretch of roadway encompassing the southern approach to the Golden Gate Bridge. The original Doyle Drive structure built in 1936 features deteriorating roadways and seismically-inadequate bridges and is in need of replacement. In support of the new roadway and structure designs, an exploratory field investigation program was performed by an integrated team consisting of Arup PB JV and Caltrans District 4 geotechnical groups (the Field Team). The exploration program included advancing 167 boreholes and cone penetration tests (CPTs). The investigated derived drill cuttings and groundwater were contained in 55-gallon metal drums and stored at a temporary drum storage area located within the Project, as shown on Figure 1. A systematic approach was employed to inventory, sample, analyze and dispose of the drums during the duration of the field exploratory program.

1.2 REPORT ORGANIZATION

The remainder of this Report is organized into the following sections:

- Section 2 – Drum Sampling Activities: describing the drum storage area, drum inventory and sampling and analyses protocols conducted for this Project;
- Section 3 – Drum Analytical Results: presenting a summary of the chemical analytical validation and results for the drum sampling performed for this Project; and
- Section 4 – Soil and Groundwater Drum Disposal: presenting a summary of the drum tracking, waste classifications and drum removal for this Project.

2 DRUM SAMPLING ACTIVITIES

This section describes the drum inventory and sampling protocols employed during the drum management activities.

2.1 INVESTIGATION DERIVED WASTE HANDLING AND STORAGE AREA

The exploratory drilling program performed by the Field Team was conducted primarily using rotary-wash drill rigs. During the drilling process, soil cuttings were placed in 55-gallon Department of Transportation (DOT) approved metal drums for each exploratory borehole. The Field Team labeled each of the drums using an indelible marker with the following information:

- Team member;
- Borehole designation;
- Date of accumulation; and
- Drum contents.

Following the completion of a borehole, the drums were transported to the temporary drum storage area located along Mason Street in the Presidio. The drum storage area was centrally located within the Project on a flat lot secured by a chain link fence and lockable gate.

2.2 DRUM INVENTORY PROTOCOL

Routine drum inventory activities were conducted throughout the generation of drums for the Project. During the inventory, each of the drums was assigned with an unique sequential identification that was also recorded on a drum inventory form. The drum identification began with the designation of AEW-001. Following the assignment of the unique drum identification, each drum lid was removed and the following information was recorded onto the drum inventory form:

- Borehole designation;
- Date of accumulation;
- Volume of material within the drum;
- Drum contents described as soil (dry solids), sludge (wet soil), water, or other (garbage, plastic, etc.);
- Approximate thickness of free standing water in sludge drums; and
- Condition of drum if it appeared damaged.

The drum lids were then replaced on the drums and secured. Table 1 presents a summary of the drum inventory for the soil and sludge drums. Tables 2 and 3 presents a summary of the drum inventory for the water drums including piezometer development water drums and groundwater drums.

2.3 SOIL AND SLUDGE DRUM SAMPLING PROTOCOL AND ANALYSES

2.3.1 Sampling Protocols

Drum sampling was conducted on a routine schedule throughout the duration of the field geotechnical investigation. During the sampling activities, each drum was opened and a small portion of the drum contents were sampled at approximately middle depth of the drum into a new stainless steel liner. Immediately after sample collection at each drum, the stainless steel line was covered on both ends with Teflon™ tape and secured with plastic end caps. Each sample was labeled with the following information:

- AEW drum identification;
- Sampling date and time; and
- Sampler information.

Information on the samples were then entered onto a Chain-of-Custody/Request-for-Analyses (COC) form. The samples were placed in a cooler with ice for transportation to the laboratory. The COC documentation included the following information:

- Project name and number;
- Project contact;
- Name of field samplers;
- Sample identification numbers;
- Sample date and time of collection;
- Sample matrix;
- Sample container type;
- Analyses requested;
- Turnaround time requested for analyses;
- Preservation of sample containers (if applicable);
- Name and address of analytical laboratory; and
- Comments if applicable.

2.3.2 Analyses Protocols

To the extent possible, a drum sample composite scheme was followed using a ratio of approximately 10 drum samples per composite. Prior to assigning a composite number to the samples, the borehole locations from which the drill cuttings and/or groundwater were generated were identified on the Project Dig Permits provided by ARUP PB JV. After the borehole locations were identified on the Dip Permit maps, the drum samples were grouped based on the following two scenarios:

- Boreholes located outside of known contaminated areas based on previous studies; and
- Boreholes located within known contaminated areas based on previous studies. These known contaminated areas were:

- Former Commissary Area;
- Building 207/231 Area;
- Building 1065 Area;
- Fill Site 6A; and
- Fill Site 6B.

Only drum samples collected from boreholes located within or immediately adjacent to the five contaminated sites were composited together in a ratio of approximately 10 drums per composite and only drum samples from boreholes located outside of the five contaminated sites were grouped together following the same composite ratio. A total of 76 composites (Composite 1 through Composite 76) representing 665 drums were submitted for chemical analyses during the drum sampling activities. The drum composite numbers assigned to each drum are presented on Table 1.

The drum samples were transported in a cooler with sufficient wet ice to maintain the bottles at approximately 4°C to McCampbell Analytical, Inc. (MAI), a State-certified analytical laboratory located in Pittsburg, California under proper chain-of-custody documentation. MAI composited the samples in the laboratory and conducted the chemical analyses.

For drum samples collected outside of the known contaminated areas, the composite were analyzed for the following chemical parameters:

- Total Petroleum Hydrocarbons (TPHs) as gasoline by USEPA Method 8015C;
- Benzene/Toluene/Ethylbenzene/Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE) by USEPA Method 8021B;
- TPHs as diesel and motor oil by USEPA Method 8015C with silica gel cleanup; and
- California Code of Regulations Title 22 (Title 22) 17 metals by USEPA Methods 6000/7000 series.

For drum samples collected within the known contaminated areas, the composite were analyzed for the following chemical parameters:

- TPHs as gasoline by USEPA Method 8015C;
- Benzene/Toluene/Ethylbenzene/Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE) by USEPA Method 8021B;
- TPHs as diesel and motor oil by USEPA Method 8015C with silica gel cleanup;
- California Code of Regulations Title 22 (Title 22) 17 metals by USEPA Methods 6000/7000 series;
- Volatile Organic Compounds (VOCs) by USEPA Method 8260B;
- Polychlorinated Biphenyls (PCBs) by USEPA Method 8082; and
- Polynuclear Aromatic Hydrocarbons (PAHs) by USEPA Method 8270C.

Since of the purpose of the sampling was to evaluate the drums for classification for off-site disposal, additional leaching tests were performed on the analytes from the soil composite samples when total concentration of any metal analyte at or exceeding any of the following two criteria:

- ***Ten Times of California's Soluble Threshold Limit Concentrations (STLCs)***. Composite with a total concentration of analyte above it's corresponding ten times of STLC but below the respective California's Total Threshold Limit Concentration (TTLC) is considered as potentially hazardous and would require waste extraction test (WET) to be conducted to determine whether it is considered as California Class I non-RCRA hazardous material. Soil with total concentration of an analyte above its corresponding TTLC is classified as hazardous and would not require WET analyses.
- ***Twenty Times the United States Environmental Protection Agency's Toxicity Characteristics Leaching Procedure Limits (TCLP Limits).*** Composite with a total concentration of any analyte greater than twenty times the corresponding TCLP limit is considered as potentially hazardous under federal regulations and would require TCLP to be conducted to determine whether it is considered as a federal RCRA hazardous material.

2.4 GROUNDWATER DRUM SAMPLING PROTOCOL AND CHEMICAL ANALYSES

During the drum inventory activities described in Section 2.2, drums were identified which contained either development water generated during the development of piezometers (Water Development Drums) or groundwater (Groundwater Drums) generated during the exploratory geotechnical program. For the Water Development Drums, AEW inventoried the drums using the borehole identification number written on the drum by the Field Team. Following the inventory, the borehole locations from which the drums were generated were identified on the Project Dig Permit maps and grouped based on the two location scenarios described in Section 2.3.1. Water samples from the Well Development Drums generated from the same source areas were composited together in the field and the laboratory.

A total of 10 composites (Composite 1 through Composite 10) representing 40 drums were submitted for chemical analyses during the Water Development Drum sampling activities. The drum composite numbers assigned to each drum are presented on Table 2. For two drums (MBTSB-R3), grab groundwater samples were collected from the piezometer immediately following development of the piezometer and submitted for chemical analyses.

Six Groundwater Drums were identified during the drum inventory activities. Two composite samples (Composite 11 and Composite 12) were submitted for chemical analyses for five of these six drums. The drum composite numbers assigned to each of the five drums are presented on Table 3. A discrete sample designated AEW-752 was collected from one of the six drums (AEW-752) for chemical analyses.

For both the Water Development Drums and Water Drums, samples were collected using a clean disposable bailer. The water samples were immediately transferred into their appropriate laboratory supplied containers, labeled, and placed in a cooler with wet ice.

Sample chain-of-custody documentation was prepared in accordance with the procedures described in Section 2.3. The sample bottles were transported in a cooler with sufficient wet ice to maintain the bottles at approximately 4°C until arrival at MAI for chemical analysis.

The groundwater water samples were analyzed for chemical parameters described in Section 2.3.2.

3 DRUM ANALYTICAL RESULTS

This section presents a summary of the chemical analytical results for the drum samples. Laboratory analytical reports and COC forms are presented in Appendix A.

3.1 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL, DATA VALIDATION AND REPORTING

Data validation is the systematic process for reviewing a set of data against pre-established criteria to determine the quality of the data. MAI reviewed their data for nonconformance and consistency. The reported laboratory Quality Assurance and Quality Control (QA/QC) results are within acceptable control limits. Laboratory reports for these QA/QC controls are included in Appendix A of this report. Upon receipt of the analytical data package from MAI, the following items were evaluated and concluded by AEW:

- Data package included all requested deliverables;
- Samples were analyzed as requested;
- Sample holding times were met;
- QC sample results were within established laboratory control limits;
- Appropriate detection limits were obtained;
- Preservation/Temperature;
- Chain of Custody;
- Sample integrity;
- Calibration criteria; and
- Blank sample results.

A systematic effort was made to identify any outliers and/or errors prior to the reporting of the data. Outliers (data values that are significantly different from the population) can result from improper sampling or analytical methodology, matrix interference, errors in data transcription, and real but extreme changes in analytical parameters.

Based on the data validation, no outliers or errors were identified and that the data can be used for its intended purpose.

3.2 SOIL AND SLUDGE DRUM ANALYTICAL RESULTS

Results of the chemical analyses for the sludge and soil drum composites were evaluated using the following regulatory criteria for disposal classification where applicable:

- ***California Total Threshold Limit Concentrations (TTLCs)***. A composite with concentration of any analyte exceeding the corresponding TTLC value is considered as a minimum as California Class I non-Resource Conservation and Recovery Act (non-RCRA) hazardous material;

- ***Ten Times of STLCs***. A composite with a total concentration of any analyte above the corresponding ten times of STLC is considered as potentially hazardous and would require WET to be conducted on the respective analyte to determine whether it is considered as a California Class I non-RCRA hazardous material;
- ***California Soluble Threshold Limit Concentrations (STLCs)***. A composite with soluble concentrations of any analyte, as determined by California's Waste Extraction Test (WET), exceeding the corresponding STLCs value is considered as a minimum as California Class I non-RCRA hazardous material; and
- ***Twenty Times United States Environmental Protection Agency's Toxicity Characteristics Leaching Procedure Limits (TCLPs)***. A composite with a total concentration of any analyte above twenty times over the corresponding TCLP is considered as potentially hazardous and would require TCLP to be conducted on the respective analyte to determine whether it is considered as a federal RCRA hazardous material.

Results of the chemical analyses performed on the composite samples indicated the following:

- ***TPHs (USEPA Method 8015Cm) and BTEX and MTBE (USEPA Method 8021B)***. Results of the TPHs, BTEX and MTBE analyses are listed on Table 4. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***VOCs (USEPA Method 8260B).*** Results of the VOCs analyses are listed on Table 5. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***Title 22 17-metals (USEPA Methods 6000/7000 Series)***. Results of Title 22 17-metal analyses are listed on Table 6. Three of the seventeen metals (barium, chromium and nickel) required additional WET and TCLP analyses. A discussion of these three metals is presented below. All other metals results were within the landfill's acceptable criteria as a non-hazardous waste.
    - Barium ranging from 14 milligrams per kilogram (mg/Kg) to 12,000 mg/Kg with elevated detections in sample Composites #4, #6, and #7 reported at concentrations of 1,600 mg/kg, 2,400 mg/kg, and 12,000 mg/kg, respectively. The average barium concentration for all other 75 composites was 66 mg/kg.

      Further investigation into the three elevated barium concentrations indicated that the barium was introduced into the drilling fluids during the geotechnical investigation. The high concentrations of barium detected in the composite drum samples from these borings were related to a drill fluid product call "Barroid", which is used in the drilling industry to control artesian water pressure conditions. Further use of this drilling fluid product was halted to control artesian water pressure following the high detection of barium. To determine whether barium was consistently elevated in all the composite samples for Composite #7, barium was analyzed for each drum sample for this composite. An elevated concentration of barium was detected in samples AEW-028 and AEW-031 at concentrations of 9,300 mg/kg and 11,000 mg/kg, respectively which was part of Composite #7. For these two samples, barium concentrations exceeding both ten times STLC and twenty times TCLP that required soluble tests by both WET and TCLP to be conducted on both samples. Soluble barium based

on California WET and TCTP was reported below the WET and TCLP criteria of 100 mg/L for these two samples. Based on the TTLC criteria and the WET and TCLP results, these two drums (AEW-028 and AEW-031) were classified as a California non-RCRA waste.

For Composite #4, the barium concentration exceeded ten times STLC that required soluble tests by WET to be conducted on this sample. Soluble barium based on WET was reported below the WET criteria of 100 mg/L for this sample. Based on the WET result (7.1 mg/L), Composite #4 was classified as a non-hazardous waste.

For Composite #6, the barium concentration exceeding both ten times STLC and twenty times TCLP that required soluble tests by both WET and TCLP to be conducted on this sample. Soluble barium based on California WET and TCTP was reported below the WET and TCLP criteria of 100 mg/L. Based on the WET and TCLP results, Composite #6 was classified as a non-hazardous waste.

- Chromium ranging from 21 mg/Kg to 550 mg/kg.

  Chromium concentrations exceeded ten times STLC that required soluble tests by WET to be conducted on 42 of the composite samples. Soluble chromium based on WET was reported above the WET criteria of 5 mg/L for 6 of the 42 composite samples. Twenty-two of these 42 composite samples exceeded twenty times TCLP that required soluble test by TCLP to be conducted on these samples. Soluble chromium based on TCTP was reported below the TCLP criteria of 5 mg/L. Therefore based on the WET and TCLP results, six composites (Composites #41, #42, #44, #45, #46, and #52) were classified as a California non-RCRA waste.

- Nickel ranging from 14 mg/Kg to 850 mg/kg.

  Nickel concentrations exceeded ten times STLC that required soluble tests by WET to be conducted on 22 of the composite samples. Soluble chromium based on WET was reported above the WET criteria of 20 mg/L for 2 of the 22 composite samples. Based on landfill requirements, TCLP was also analyzed for these 22 composite samples. Soluble chromium based on TCTP was reported below the TCLP criteria of 20 mg/L. Therefore based on the WET and TCLP results, two composites (Composites #31 and #45) were classified as a California non-RCRA waste.

- ***PAHs (USEPA Method 8270C)***. Results of the PAHs analyses are listed on Table 7. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***PCBs (USEPA Method 8082)***. Results of the PCBs analyses are listed on Table 8. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.

3.3 GROUNDWATER DRUM ANALYTICAL RESULTS

Results of the chemical analyses performed on the composite water indicated the following:

- ***TPHs (USEPA Method 8015Cm) and BTEX and MTBE (USEPA Method 8021B)***. Results of the TPHs, BTEX and MTBE analyses are listed on Table 9. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***VOCs (USEPA Method 8260B).*** Results of the VOCs analyses are listed on Table 10. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***Title 22 17-metals (USEPA Methods 6000/7000 Series)***. Results of Title 22 17-metal analyses are listed on Table 11. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***PAHs (USEPA Method 8270C)***. Results of the PAHs analyses are listed on Table 12. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.
- ***PCBs (USEPA Method 8082)***. Results of the PCBs analyses are listed on Table 13. All analytical results were within the landfill's acceptable criteria as a non-hazardous waste.

4 SOIL AND GROUNDWATER DRUM DISPOSAL

This section presents a summary of the drum disposal conducted for the Project. Intrinsic Transportation, Inc. (IT), a certified hazardous waste hauler was contracted by AEW to conduct drum load out and transportation to the designated disposal facility. Thirteen separate drum disposal events were conducted for the Project with an average removal of approximately 60 drums per event. A total of 783 drums were removed during the duration of the Project.

4.1 SOIL DRUM TRACKING AND DISPOSAL

In accordance with the initial analytical results, a waste profile/acceptance application was prepared by AEW and submitted with signature from Caltrans District 4 representative to Waste Management for approval to dispose of the drums at their Kettleman Hills Facility, Kettleman City, California (Kettleman Hills Facility or landfill). Waste profiles were submitted and approved by Kettleman Hills Facility for the following four waste streams:

- Class II non-hazardous sludge;
- Class II non-hazardous soil (solids);
- Class I non-hazardous liquid; and
- Class I California non-RCRA hazardous sludge.

Copies of the approved waste profile/acceptance application are included in Appendix B of this Report.

Prior to each removal event, a drum spreadsheet was prepared presenting the drum identification, composite number, generation date, and contents and was submitted with the supporting analytical results for approval by Waste Management. Following approval from Waste Management, the final waste classification designation was entered on the drum spreadsheet and the appropriate waste classification label was placed on each approved drum. During the drum load-out, the spreadsheet was used to verify the correct drum pick up and to provide a final drum count for the load out. The total number of drums was then entered onto the appropriate waste manifest. A representative from Caltrans District 4 signed the manifests and received copies prior to the drums leaving the site.

4.1.1 Class II Sludge and Soil Drum Disposal

Table 1 presents a summary of the drums disposed as non-hazardous waste, the disposal date, and the waste acceptance profile number. Copies of the signed waste manifests for the non-hazardous sludge and soil drums are included in Appendix C.

A total of 632 drums containing sludge were classified and disposed at Kettleman Hills Facility as non-hazardous waste during the duration of the Project. A total of 33 drums containing soil (solids) were classified and disposed at Kettleman Hills Facility as non-hazardous waste during the duration of the Project.

4.1.2 Class I California Hazardous Waste Soil Drum Disposal

A total of 72 drums containing sludge were classified and disposed at Kettleman Hills Facility a California Class I non-RCRA hazardous waste during the duration of the Project. Table 1 presents a summary of the drums disposed as non-RCRA sludge, the disposal date, and the waste acceptance profile number.

Copies of the signed waste manifests for the California Class I non-RCRA hazardous waste sludge drums are included in Appendix C.

4.2 WATER DEVELOPMENT AND GROUNDWATER DRUM TRACKING AND DISPOSAL

A total of 46 drums containing liquid were classified and disposed at Kettleman Hills Facility as non-hazardous waste during the duration of the Project. Tables 2 and 3 presents a summary of the drums disposed as non-hazardous liquid, the disposal date, and waste acceptance profile numbers.

Copies of the signed waste manifests for the non-hazardous liquid drums are included in Appendix C.

TABLES

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-001	ENB-R2	12/13/2007	0-3' Soil	Transferred into AEW-208					
AEW-002	MPTSB-R1, MPTSB-R2	12/13/2007	0-3' Soil						
AEW-003	MPTNB-R2	11/30/2007	Sludge	12/21/2007	6	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-004	MPTNB-R2	12/3/2007	Sludge	12/21/2007	6	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-005	MPTSB-R1	11/29/2007	Sludge	12/21/2007	2	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-006	MPTSB-R1	11/29/2007	Sludge	12/21/2007	2	Mud w/10" water	non-hazardous	3/14/2008	104666CA
AEW-007	MPTSB-R1	11/29/2007	Sludge	12/21/2007	2	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-008	MPTNB-R2	11/30/2007	Sludge	12/21/2007	6	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-009	MPTSB-R2	12/3/2007	Sludge	12/21/2007	2	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-010	MPTSB-R2	12/3/2007	Sludge	1/2/2008	11	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-011	MPTNB-R2	12/3/2007	Sludge	1/2/2008	11	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-012	MPTNB-R2	11/30/2007	Sludge	1/2/2008	11	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-013	MPTNB-R2	11/30/2007	Sludge	1/2/2008	11	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-014	MPTNB-R3	12/5/2007	Sludge	12/21/2007	6	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-015	MPTNB-R3	12/5/2007	Sludge	12/21/2007	6	1/2 full mud and water	non-hazardous	3/19/2008	104666CA
AEW-016	MPTNB-R1	12/4/2007	Sludge	12/21/2007	6	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-017	MPTNB-R1	12/4/2007	Sludge	12/21/2007	6	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-018	MPTNB-R1	12/4/2007	Sludge	12/24/2007	6	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-019	MPTSB-R2	12/3/2007	Sludge	12/24/2007	2	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-020	ESB-R1	12/6/2007	Sludge	12/24/2007	3	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-021	ESB-R1	12/6/2007	Sludge	12/24/2007	3	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-022	ESB-R1	12/6/2007	Sludge	Damaged Drum. Transferred into AEW-207					
AEW-023	ESB-R1	12/6/2007	Sludge	12/24/2007	3	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-024	ESB-R1	12/6/2007	Sludge	12/24/2007	3	1/5 full mud w/3" water	non-hazardous	3/14/2008	104666CA
AEW-025	MPTNB-R3	12/5/2007	Sludge	12/24/2007	6	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-026	MPTSB-R3	12/10/2007	Sludge	12/24/2007	6	3/5 full mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-027	MPTSB-R3	12/7/2007	Sludge	12/24/2007	6	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-028	MPTSB-R3	12/10/2007	Sludge	12/24/2007	7	Mud w/12" water	non-RCRA	4/3/2008	CA301612
AEW-029	MPTSB-R3	12/7/2007	Sludge	12/24/2007	7	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-030	MPTSB-R3	12/10/2007	Sludge	12/24/2007	7	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-031	MPTSB-R3	12/10/2007	Sludge	12/24/2007	7	Mud w/12" water	non-RCRA	4/3/2008	CA301612
AEW-032	MPTSB-R3	12/7/2007	Sludge	12/24/2007	7	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-033	MPTSB-R3	12/7/2007	Sludge	12/24/2007	7	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-034	MPTSB-R3	12/10/2007	Sludge	12/24/2007	7	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-035	MPTSB-R3	12/6/2007	Sludge	12/24/2007	7	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-036	ENB-R2, ENB-R1	12/11-12/13	Sludge	12/24/2007	3	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-037	34-19SB-R9	12/5/2007	Sludge	12/24/2007	1	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-038	34-19SB-R9	12/6/2007	Sludge	12/24/2007	1	Mud w/24" water	non-hazardous	3/14/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-039	34-19SB-R9	12/5/2007	Sludge	12/24/2007	1	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-040	34-19SB-R9	12/6/2007	Sludge	12/24/2007	1	Mud w/36" water	non-hazardous	3/14/2008	104666CA
AEW-041	34-19SB-R9	12/6/2007	Sludge	12/24/2007	1	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-042	ENB-R1	12/11/2007	Sludge	12/24/2007	3	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-043	ENB-R1	12/12/2007	Sludge	12/24/2007	3	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-044	ENB-R1	12/12/2007	Sludge	12/24/2007	3	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-045	ENB-R1	12/12/2007	Sludge	12/24/2007	3	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-046	ENB-R1	12/12/2007	Sludge	12/24/2007	3	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-047	ESB-R2	12/13/2007	Sludge	12/24/2007	4	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-048	ESB-R2	12/13/2007	Sludge	12/24/2007	4	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-049	34-19SB-R9, R8	12/5-12/12/07	Soil	Damaged Drum. Transferred into AEW-213					
AEW-050	34-19SB-R8	12/11/2007	Sludge	12/24/2007	1	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-051	34-19SB-R8	12/12/2007	Sludge	12/24/2007	1	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-052	ENB-R1	12/7/2007	Sludge	12/24/2007	4	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-053	ESB-R2	12/13/2007	Sludge	12/26/2007	4	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-054	ESB-R2	12/13/2007	Sludge	12/26/2007	4	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-055	ESB-R2	12/13/2007	Sludge	12/26/2007	4	Soil, wet	non-hazardous	3/14/2008	104665CA
AEW-056	34-19SB-R8	12/11/2007	Sludge	12/26/2007	1	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-057	34-19SB-R8	12/12/2007	Sludge	12/26/2007	1	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-058	ENB-R1	12/10/07-	Sludge	12/26/2007	4	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-059	ENB-R2	12/14/2007	Sludge	12/26/2007	4	Mud w/36" water	non-hazardous	3/19/2008	104666CA
AEW-060	ENB-R2	12/14/2007	Sludge	12/26/2007	4	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-061	ESB-R2	12/14/2007	Sludge	12/26/2007	4	1/2 full trash,water, sed	non-hazardous	3/19/2008	104666CA
AEW-062	ESB-R2	12/13/2007	Water	Water and garbage only. Water transferred into Water Development Drum					
AEW-063	ESB-R2	12/14/2007	Sludge	12/26/2007	5	2/3 full mud w/18" wat	non-hazardous	3/19/2008	104666CA
AEW-064	ESB-R2	12/13/2007	Sludge	12/26/2007	5	2/3 full mud w/8" water	non-hazardous	3/19/2008	104666CA
AEW-065	ENB-R2	12/14/2007	Sludge	12/26/2007	5	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-066	ENB-R2	12/14/2007	Sludge	12/26/2007	5	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-067	ESB-R2	12/14/2007	Soil	12/26/2007	5	Soil, no water	non-hazardous	3/19/2008	104665CA
AEW-068	ESB-R2	12/13/2007	Sludge	12/26/2007	5	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-069	ESB-R2	12/14/2007	Soil	12/26/2007	5	Plastic w/sediment	non-hazardous	3/19/2008	104665CA
AEW-070	DOR-A1	12/14/2007	Sludge	12/26/2007	7	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-071	DOR-A1	12/14/2007	Sludge	12/26/2007	7	Plastic w/sediment	non-hazardous	3/19/2008	104665CA
AEW-072	ENB-R1, R2	12/12-12/13/07	Sludge	12/26/2007	5	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-073	DOR-A1	12/14/2007	Sludge	12/26/2007	7	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-074	ENB-R2	12/13/2007	Sludge	12/26/2007	5	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-075	TS-R1	12/17/2007	Soil	12/31/2007	8	Soil, no water	non-hazardous	3/19/2008	104665CA
AEW-076	TS-R1	12/18/2007	Sludge	12/31/2007	8	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-077	ESB-R2	12/18/2007	Water	Water and garbage only. Water transferred into Water Development Drum					

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-078	TS-R1	12/19/2007	Sludge	12/31/2007	8	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-079	TS-R1	12/17/2007	Soil	12/31/2007	8	Soil no water	non-hazardous	3/19/2008	104665CA
AEW-080	TS-R1	12/17/2007	Sludge	12/31/2007	8	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-081	TS-R1	12/18/2007	Sludge	12/31/2007	8	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-082	ESB-R2	12/18/2007	Sludge	12/31/2007	9	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-083	DSB-R3	12/18/2007	Sludge	12/31/2007	9	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-084	ESB-R2	12/18/2007	Sludge	12/31/2007	9	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-085	DSB-R3	12/18/2007	Sludge	12/31/2007	9	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-086	DSB-R3	12/18/2007	Sludge	12/31/2007	9	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-087	DSB-R1	12/20/2007	Sludge	12/31/2007	9	Mud w/3" water	non-hazardous	3/19/2008	104666CA
AEW-088	DSB-R1	12/20/2007	Sludge	12/31/2007	9	Mud, no water	non-hazardous	3/19/2008	104666CA
AEW-089	TS-R1	12/20/2007	Sludge	12/31/2007	8	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-090	TS-R1	12/18/2007	Sludge	12/31/2007	8	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-091	RW-17-A1	12/20/2007	Sludge	12/31/2007	10	Mud w/18" water	non-hazardous	3/19/2008	104666CA
AEW-092	RW-17-A1	12/20/2007	Sludge	12/31/2007	10	Mud w/32" water	non-hazardous	3/19/2008	104666CA
AEW-093	RW-17-A1	12/20/2007	Sludge	12/31/2007	10	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-094	DSB-R1	12/20/2007	Sludge	12/31/2007	9	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-095	DSB-R1	12/20/2007	Sludge	12/31/2007	9	Mud w/3" water	non-hazardous	3/19/2008	104666CA
AEW-096	TS-R1	12/20/2007	Sludge	12/31/2007	8	Mud w/36" water	non-hazardous	3/19/2008	104666CA
AEW-097	TS-R1	12/19/2007	Sludge	12/31/2007	8	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-098	TS-R1/DSB-R2	12/20/2007	Sludge	12/31/2007	8	Soil w/2" water	non-hazardous	3/19/2008	104666CA
AEW-099	TS-R1	12/17/2007	Soil	12/31/2007	8	Soil, no water	non-hazardous	3/19/2008	104665CA
AEW-100	TS-R1	12/18/2007	Soil	12/31/2007	8	Sand, no water	non-hazardous	3/19/2008	104665CA
AEW-101	DSB-R5	12/27/2007	Water	Water and garbage only. Transferred into Water Development Drum					
AEW-102	DSB-R6	12/26/2007	Sludge	1/2/2008	10	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-103	DSB-R7	12/27/2007	Sludge	1/2/2008	11	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-104	DSB-R5	12/27/2007	Sludge	1/2/2008	10	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-105	DSB-R5	12/27/2007	Sludge	1/2/2008	10	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-106	DSB-R6	12/26/2007	Sludge	1/2/2008	10	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-107	DSB-R1	12/20/2007	Sludge	1/2/2008	9	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-108	DSB-R7	12/27/2007	Sludge	1/2/2008	11	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-109	DSB-R7	12/27/2007	Sludge	1/2/2008	11	Mud w/18" water	non-hazardous	3/19/2008	104666CA
AEW-110	DSB-R5	12/27/2007	Sludge	1/2/2008	10	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-111	DSB-R6	12/26/2007	Sludge	1/2/2008	10	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-112	DSB-R6	12/26/2007	Sludge	1/2/2008	10	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-113	DNB-R5	12/18-19/07	Sludge	1/2/2008	12	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-114	ENB-R1A	12/26/2007	Sludge	1/2/2008	12	Mud w/12" water	non-hazardous	3/14/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-115	ENB-R1A/ESB-R2A	12/26/2007	Sludge	1/2/2008	12	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-116	DNB-R5	12/18-19/07	Sludge	1/2/2008	12	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-117	ENB-R1A/ESB-R2A	12/26/2007	Sludge	1/2/2008	12	Mud w/12" water	non-hazardous	3/14/2008	104666CA
AEW-118	DNB-R5	12/19/2007	Sludge	1/2/2008	12	Mud w/24" water	non-hazardous	3/14/2008	104666CA
AEW-119	MPTNB-R5	12/20/2007	Sludge	1/2/2008	11	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-120	DNB-R5	12/19/2007	Sludge	1/2/2008	12	Mud w/2" water	non-hazardous	3/14/2008	104666CA
AEW-121	ESB-R2A	12/26/2007	Sludge	1/2/2008	12	Mud w/6" water	non-hazardous	3/14/2008	104666CA
AEW-122	MPTNB-R4	12/20/2007	Sludge	Damaged Drum. Transferred into AEW-234					
AEW-123	DBB-R5	12/18-12/19/07	Soil	1/2/2008	12	Mud w/12" water	non-hazardous	3/14/2008	104665CA
AEW-124	MPTNB-R4	12/20/2007	Soil	1/2/2008	12	Sandy Soil, no water	non-hazardous	3/14/2008	104665CA
AEW-125	DNB-R5	12/19/2007	Soil	1/2/2008	12	Plastic w/sediment	non-hazardous	3/14/2008	104665CA
AEW-126	DNB-R3	1/9/2008	Sludge	1/28/2008	13	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-127	DNB-R3	1/9/2008	Sludge	1/28/2008	13	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-128	DNB-R3	1/10/2008	Sludge	1/28/2008	13	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-129	DNB-R3	1/9/2008	Sludge	1/28/2008	13	Mud w/3" water	non-hazardous	3/19/2008	104666CA
AEW-130	DSB-R4	1/2/2008	Soil	1/28/2008	14	Soil, no water	non-hazardous	3/19/2008	104665CA
AEW-131	DSB-R7	12/27/2007	Sludge	1/28/2008	15	Mud w/3" water	non-hazardous	3/19/2008	104666CA
AEW-132	RW14-A1	1/2/2008	Sludge	1/28/2008	15	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-133	RW14-A1	1/2/2008	Sludge	1/28/2008	15	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-134	RW14-A1	1/2/2008	Sludge	1/28/2008	15	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-135	BTSB-R1	1/18/2008	Water	Transferred into Well development Drum					
AEW-136	MPTNB-R5	1/16/2008	Sludge	1/28/2008	13	Mud w/18" water	non-hazardous	3/19/2008	104666CA
AEW-137	RW18-A1	1/3/2008	Sludge	1/28/2008	15	Mud w/18" water	non-hazardous	3/19/2008	104666CA
AEW-138	RW18-A1	1/3/2008	Sludge	1/28/2008	15	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-139	RW18-A1	1/3/2008	Soil	1/28/2008	15	Soil, garbage, no water	non-hazardous	3/19/2008	104665CA
AEW-140	DSB-R4	1/2/2008	Soil	1/28/2008	14	Soil, no water	non-hazardous	3/19/2008	104665CA
AEW-141	DSB-R4	1/2/2008	Sludge	1/28/2008	14	Mud w/36" water	non-hazardous	3/19/2008	104666CA
AEW-142	DSB-R4	1/2/2008	Sludge	1/28/2008	14	Mud w/6" water	non-hazardous	3/19/2008	104666CA
AEW-143	BTSB-R1	1/17/2008	Sludge	1/28/2008	16	Mud w/36" water	non-hazardous	3/19/2008	104666CA
AEW-144	BTSB-R1	1/18/2008	Sludge	1/28/2008	16	Mud w/24" water	non-hazardous	3/19/2008	104666CA
AEW-145	BTSB-R1	1/18/2008	Sludge	1/28/2008	16	Mud w/12" water	non-hazardous	3/19/2008	104666CA
AEW-146	RW8-R5	1/7/2008	Sludge	1/28/2008	16	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-147	RW19-A1	1/4/2008	Sludge	1/28/2008	15	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-148	RW19-A1	1/4/2008	Sludge	1/28/2008	15	Mud w/4" water	non-hazardous	4/3/2008	104666CA
AEW-149	RW19-A1	1/4/2008	Sludge	1/28/2008	15	Mud w/2" water	non-hazardous	4/3/2008	104666CA
AEW-150	DSB-R4	1/4/2008	Sludge	1/28/2008	14	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-151	DSB-R4	1/4/2008	Sludge	1/28/2008	14	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-152	DSB-R4	1/4/2008	Sludge	1/28/2008	14	Mud w/36" water	non-hazardous	4/3/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-153	BTSB-R1	1/17/2008	Sludge	1/31/2008	16	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-154	MPTNB-R5	1/17/2008	Sludge	1/31/2008	13	Mud w/2" water	non-hazardous	4/3/2008	104666CA
AEW-155	BTSB-R1	1/18/2008	Sludge	1/31/2008	16	Mud w/28" water	non-hazardous	4/3/2008	104666CA
AEW-156	DSB-R4	1/7/2008	Sludge	1/31/2008	14	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-157	DNB-R4/DSB-R4	1/7/2008	Sludge	1/31/2008	14	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-158	DNB-R4/DSB-R4	1/7/2008	Sludge	1/31/2008	13	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-159	DNB-R4	1/7/2008	Sludge	1/31/2008	13	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-160	DNB-R4	1/8/2008	Sludge	1/31/2008	13	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-161	RW8-R5	1/7/2008	Sludge	1/31/2008	16	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-162	RW8-R5	1/7/2008	Sludge	1/31/2008	16	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-163	MPTNB-R5	1/16/2008	Sludge	1/31/2008	13	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-164	MPTSB-R2	1/10/2008	Sludge	1/31/2008	16	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-165	RW8-R5	1/8/2008	Sludge	1/31/2008	16	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-166	RW8-R5	1/8/2008	Sludge	1/31/2008	17	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-167	DNB-R4	1/8/2008	Sludge	2/1/2008	13	Mud w/2" water	non-hazardous	4/3/2008	104666CA
AEW-168	DSB-R4	1/7/2008	Sludge	2/1/2008	14	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-169	DNB-R4	1/7-1/8/08	Sludge	2/1/2008	13	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-170	BTSB-R1	1/22/2008	Sludge	2/1/2008	17	Mud w/18" water	non-hazardous	4/3/2008	104666CA
AEW-171	BTSB-R1	1/17/2008	Sludge	2/1/2008	17	Mud w/4" water	non-hazardous	4/3/2008	104666CA
AEW-172	RW8-R1	1/17/2008	Sludge	2/1/2008	17	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-173	A2-R9	1/8/2008	Sludge	2/1/2008	17	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-174	A2-R9	1/8/2008	Sludge	2/1/2008	17	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-175	RW8-R5	1/9/2008	Sludge	2/1/2008	17	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-176	RW8-R5	1/9/2008	Sludge	2/1/2008	17	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-177	RW8-R5	1/8/2008	Sludge	2/1/2008	17	Mud w/36" water	non-hazardous	4/23/2008	104666CA
AEW-178	A2-R6	1/23/2008	Sludge	2/1/2008	17	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-179	BTSB-R1	1/22/2008	Sludge	2/1/2008	18	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-180	RW8-R1	1/17/2008	Sludge	2/1/2008	18	Mud w/10" water	non-hazardous	4/3/2008	104666CA
AEW-181	MPTSB-R2	1/10/2008	Sludge	2/1/2008	18	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-182	MPTSB-R2	1/10/2008	Sludge	2/1/2008	18	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-183	A2-R1	1/9/2008	Sludge	2/1/2008	18	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-184	A2-R1	1/9/2008	Sludge	2/1/2008	18	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-185	A2-R1	1/9/2008	Sludge	2/1/2008	18	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-186	RW8-R1	1/14/2008	Sludge	2/1/2008	18	Mud w/10" water	non-hazardous	4/3/2008	104666CA
AEW-187	RW8-R1	1/14/2008	Sludge	2/4/2008	19	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-188	RW8-R1	1/17/2008	Sludge	2/4/2008	19	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-189	RW8-R1	1/16/2008	Sludge	2/4/2008	19	Mud w/18" water	non-hazardous	4/3/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-190	RW8-R1	1/16/2008	Sludge	2/4/2008	19	Mud w/18" water	non-hazardous	4/3/2008	104666CA
AEW-191	A2-R3	1/24/2008	Sludge	2/4/2008	19	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-192	BTSB-R1	1/22/2008	Sludge	2/4/2008	19	Mud w/18" water	non-hazardous	4/3/2008	104666CA
AEW-193	RW8-R2	1/17/2008	Sludge	2/4/2008	19	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-194	RW8-R4	1/15/2008	Sludge	2/4/2008	19	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-195	A2-R8	1/10/2008	Sludge	2/4/2008	19	Mud w/3" water	non-hazardous	4/3/2008	104666CA
AEW-196	RW8-R2	1/17/2008	Sludge	2/4/2008	19	Mud w/8" water	non-hazardous	4/3/2008	104666CA
AEW-197	RW8-R3	1/16/2008	Sludge	2/4/2008	20	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-198	RW8-R4	1/15/2008	Sludge	2/4/2008	20	Mud w/8" water	non-hazardous	4/3/2008	104666CA
AEW-199	RW8-R3	1/16/2008	Sludge	2/4/2008	20	Mud w/8" water	non-hazardous	4/3/2008	104666CA
AEW-200	DNB-R6	1/8-1/9/08	Sludge	2/4/2008	20	Mud w/6" water	non-hazardous	4/3/2008	104666CA
AEW-201	DNB-R7	1/10/2008	Sludge	2/4/2008	20	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-202	DNB-R6	1/8-1/9/08	Sludge	2/4/2008	20	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-203	DNB-R6	1/8-1/9/08	Sludge	2/4/2008	20	Mud w/12" water	non-hazardous	4/3/2008	104666CA
AEW-204	A2-R3	1/24/2008	Sludge	2/4/2008	20	Mud w/24" water	non-hazardous	4/3/2008	104666CA
AEW-205	BTSB-R1	1/23/2008	Sludge	2/4/2008	20	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-206	BTSB-R1	1/23/2008	Sludge	2/4/2008	20	Mud w/36" water	non-hazardous	4/3/2008	104666CA
AEW-207	ESB-R1	12/6/2008	Sludge	3/17/2008	22	3/4 Full w4" water	non-hazardous	4/23/2008	104666CA
AEW-208	MPTSB-R1,2,3, MPTNB-R2, DSB-R-3,5,6,7, ENB-R2	12/4/2007	Sludge	3/17/2008	22	3/4 Full, dry	non-hazardous	4/23/2008	104666CA
AEW-209	DNB-R2	1/10/2008	Sludge	3/17/2008	21	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-210	DNB-R2	1/10/2008	Sludge	3/17/2008	21	Full w/4" water	non-hazardous	4/23/2008	104666CA
AEW-211	RW10-A1	1/11/2008	Sludge	3/17/2008	22	3/4 full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-212	DNB-R2	1/10/2008	Sludge	3/17/2008	21	Full w/2" water	non-hazardous	4/23/2008	104666CA
AEW-213	34-19SB-R8	12/12/2007	Soil	3/17/2008	22	1/5 full, dry	non-hazardous	4/23/2008	104665CA
AEW-214	DNB-R2	1/10/2008	Sludge	3/17/2008	21	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-215	34-19G-R1	1/30/2008	Sludge	3/17/2008	23	1/2 full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-216	DNB-R7	1/11/2008	Sludge	3/17/2008	21	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-217	DNB-R1	1/15/2008	Sludge	3/17/2008	21	Full w/2" water	non-hazardous	4/23/2008	104666CA
AEW-218	DNB-R1	1/15/2008	Sludge	3/17/2008	21	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-219	TS-R3	2/5/2008	Sludge	3/17/2008	23	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-220	34-19G-R1	1/30/2008	Sludge	3/17/2008	23	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-221	DNB-R1	1/15/2008	Sludge	3/17/2008	21	Full w/4" water	non-hazardous	4/23/2008	104666CA
AEW-222	DNB-R1	1/15/2008	Sludge	3/17/2008	21	1/2 full w/4" water	non-hazardous	4/23/2008	104666CA
AEW-223	34-19G-R1	1/30/2008	Sludge	3/17/2008	23	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-224	DNB-R7	1/10/2008	Sludge	3/17/2008	21	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-225	DNB-R7	1/10/2008	Sludge	3/17/2008	21	Full w/6" water	non-hazardous	4/23/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-226	34-19G-R2	1/29/2008	Sludge	3/17/2008	23	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-227	MPTNB-R5	1/17/2008	Sludge	3/18/2008	22	Full w/4" water	non-hazardous	4/23/2008	104666CA
AEW-228	DNB-R7	1/11/2008	Sludge	3/18/2008	25	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-229	TS-R3	2/5/2008	Sludge	3/18/2008	23	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-230	TS-R3	2/5/2008	Sludge	3/18/2008	23	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-231	MPTNB-R5	1/17/2008	Sludge	3/18/2008	22	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-232	DNB-R1,R2,R3,R4, MPTNB-R5	1/9-1/15/08	Soil	3/18/2008	22	1/2 full dry	non-hazardous	4/23/2008	104665CA
AEW-233	DNB-R7	1/9/2008	Sludge	3/18/2008	25	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-234	MPTNB-R4	12/20/2008	Sludge	3/18/2008	25	1/2 full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-235	A2-R2	2/7/2008	Sludge	3/18/2008	24	Full w/18"water	non-hazardous	4/23/2008	104666CA
AEW-236	34-19G-R1	1/30/2008	Sludge	3/18/2008	23	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-237	A2-R2	2/7/2008	Sludge	3/18/2008	24	1/2 full w/18" water	non-hazardous	4/23/2008	104666CA
AEW-238	A2-R2	2/14/2008	Sludge	3/18/2008	24	Full w/36" water	non-hazardous	4/23/2008	104666CA
AEW-239	A2-R2	2/7/2008	Sludge	3/18/2008	24	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-240	RW15-R1	2/6/2008	Sludge	3/18/2008	24	1/2 full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-241	RW10-A1	1/23/2008	Sludge	3/18/2008	22	Full w/18"water	non-hazardous	4/23/2008	104666CA
AEW-242	RW10-A1	1/23/2008	Sludge	3/18/2008	22	3/4 full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-243	34-0157SB-A1	2/21/2008	Sludge	3/18/2008	23	3/4 full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-244	RW15-R1	2/6/2008	Sludge	3/18/2008	24	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-245	A2-R7	1/31/2008	Sludge	3/18/2008	23	1/2 full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-246	MPTNB-R5	1/17/2008	Sludge	3/18/2008	22	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-247	34-0157NB-A1	2/26/2008	Sludge	3/19/2008	27	1/2 full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-248	RW15-R1	2/6/2008	Sludge	3/19/2008	25	Full w/36" water	non-hazardous	4/23/2008	104666CA
AEW-249	RW10-A1	1/23/2008	Sludge	3/19/2008	25	1/3 full w/10" water	non-hazardous	4/23/2008	104666CA
AEW-250	RW8-R1	1/10/2008	Sludge	3/19/2008	25	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-251	TS-R2	1/7/2008	Sludge	3/19/2008	27	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-252	34-0157SB-A1	2/21/2008	Sludge	3/19/2008	27	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-253	34-0157SB-A1	2/21/2008	Sludge	3/19/2008	27	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-254	MPTSB-R3(A)	1/11/2008	Sludge	3/19/2008	25	2/3 full w/2" water	non-hazardous	4/23/2008	104666CA
AEW-255	TS-R2	1/7/2008	Sludge	3/19/2008	27	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-256	RW8-R1	1/10/2008	Sludge	3/19/2008	25	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-257	DNB-R3	1/10/2008	Sludge	3/19/2008	26	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-258	DNB-R3	1/10/2008	Sludge	3/19/2008	26	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-259	MPTSB-R3(A)	1/11/2008	Sludge	3/19/2008	25	Full w/2" water	non-hazardous	4/23/2008	104666CA
AEW-260	34-0157NB-A1	2/27/2008	Sludge	3/20/2008	27	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-261	34-0157NB-A1	2/27/2008	Sludge	3/20/2008	27	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-262	34-0157NB-A1	2/27/2008	Sludge	3/20/2008	27	Full w/24" water	non-hazardous	4/23/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	5/15/2008	Profile Number
AEW-263	34-0157NB-A1	2/27/2008	Sludge	3/20/2008	27	1/2 full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-264	34-0157NB-A1	2/27/2008	Sludge	3/20/2008	27	3/4 full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-265	34-0157SB-B2R	3/11/2008	Sludge	3/20/2008	24	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-266	34-0157SB-B2R	3/12/2008	Sludge	3/20/2008	24	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-267	34-0157SB-B2R	3/12/2008	Sludge	3/20/2008	24	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-268	34-0157SB-B2R	3/12/2008	Sludge	3/20/2008	24	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-269	MPTNB-R6	2/13/2008	Sludge	3/20/2008	26	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-270	RW8-R2	1/17/2008	Sludge	3/20/2008	26	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-271	RW8-R2	1/17/2008	Sludge	3/20/2008	26	Full w/6" water	non-hazardous	4/23/2008	104666CA
AEW-272	RW8-R1	1/17/2008	Sludge	3/20/2008	25	Full w/3" water	non-hazardous	4/23/2008	104666CA
AEW-273	MPTNB-R6	2/12/2008	Sludge	3/20/2008	26	Full w/12" water	non-hazardous	4/23/2008	104666CA
AEW-274	MPTNB-R6	2/13/2008	Sludge	3/20/2008	26	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-275	MPTNB-R6	2/14/2008	Sludge	3/20/2008	26	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-276	MPTNB-R6	2/13/2008	Sludge	3/20/2008	26	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-277	MPTNB-R6	2/13/2008	Sludge	3/20/2008	26	Full w/24" water	non-hazardous	4/23/2008	104666CA
AEW-278	MPTNB-R6	2/13/2008	Sludge	3/24/2008	30	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-279	MPTNB-R6	2/14/2008	Sludge	3/24/2008	30	Full w/24" water	non-hazardous	5/15/2008	104666CA
AEW-280	MPTNB-R6	2/14/2008	Sludge	3/24/2008	30	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-281	MPTNB-R6	2/14/2008	Sludge	3/24/2008	30	Full w/6" water	non-hazardous	5/15/2008	104666CA
AEW-282	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	Full w/12" water	non-RCRA	5/15/2008	CA301612
AEW-283	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	Full w/6" water	non-RCRA	5/15/2008	CA301612
AEW-284	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	Full w/6" water	non-RCRA	5/15/2008	CA301612
AEW-285	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	Full w/24" water	non-RCRA	5/15/2008	CA301612
AEW-286	MPTNB-R6	2/12/2008	Sludge	3/24/2008	30	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-287	MPTNB-R6	2/14/2008	Sludge	3/24/2008	30	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-288	MPTNB-R6	2/15/2008	Sludge	3/24/2008	30	Full w/18" water	non-hazardous	5/15/2008	104666CA
AEW-289	MPTNB-R6	2/15/2008	Sludge	3/24/2008	30	Full w/4" water	non-hazardous	5/15/2008	104666CA
AEW-290	MPTNB-R6	2/15/2008	Sludge	3/24/2008	30	3/4 full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-291	M-11	3/7/2008	Sludge	3/24/2008	29	1/2 full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-292	RW6-R1	2/27/2008	Sludge	3/24/2008	31	Full w/12" water	non-RCRA	5/15/2008	CA301612
AEW-293	BTSB-R2	2/26/2008	Sludge	3/24/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-294	BTSB-R2	2/26/2008	Sludge	3/24/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-295	BTSB-R2	2/26/2008	Sludge	3/24/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-296	BTSB-R2	2/25/2008	Sludge	3/24/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-297	BTSB-R2	2/25/2008	Sludge	3/24/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-298	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	Full w/12" water	non-RCRA	5/15/2008	CA301612

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-299	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	Full w/3" water	non-RCRA	5/15/2008	CA301612
AEW-300	BTNB-R4	2/22/2008	Sludge	3/24/2008	31	1/2 full w/12" water	non-RCRA	5/15/2008	CA301612
AEW-301	M-11	3/7/2008	Sludge	3/25/2008	29	Full w/6" water	non-hazardous	5/15/2008	104666CA
AEW-302	BTSB-R2	2/29/2008	Sludge	3/25/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-303	BTSB-R2	2/29/2008	Sludge	3/25/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-304	BTSB-R2	2/29/2008	Sludge	3/25/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-305	BTSB-R2	2/29/2008	Sludge	3/25/2008	28	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-306	BTSB-R2	2/29/2008	Sludge	3/25/2008	28	Full w/6" water	non-hazardous	5/15/2008	104666CA
AEW-307	MPTNB-R6	2/15/2008	Sludge	3/25/2008	30	Full w/12" water	non-hazardous	5/15/2008	104666CA
AEW-308	RW6-R1	2/28/2008	Sludge	3/25/2008	31	1/2 full w/12" water	non-RCRA	5/15/2008	CA301612
AEW-309	M-11	3/7/2008	Sludge	3/25/2008	29	Full w/6" water	non-hazardous	5/15/2008	104666CA
AEW-310	M-9	3/5/2008	Sludge	3/25/2008	29	1/2 full w/6" water	non-hazardous	5/15/2008	104666CA
AEW-311	M-10	3/7/2008	Sludge	3/25/2008	29	2/3 full w/6" water	non-hazardous	5/15/2008	104666CA
AEW-312	M-9	3/5/2008	Sludge	3/25/2008	29	Full w/4" water	non-hazardous	5/15/2008	104666CA
AEW-313	M-9	3/5/2008	Sludge	3/25/2008	29	Full w/4" water	non-hazardous	5/15/2008	104666CA
AEW-314	RW6-R1	2/28/2008	Sludge	3/25/2008	31	2/3 full w/12" water	non-RCRA	5/15/2008	CA301612
AEW-315	RW6-R1	2/28/2008	Sludge	3/25/2008	31	1/2 full w/6" water	non-RCRA	5/15/2008	CA301612
AEW-316	M-10	3/7/2008	Sludge	3/25/2008	29	Full w/4" water	non-hazardous	5/15/2008	104666CA
AEW-317	M-9/M-10 (0-4')	3/4-3/5/08	Sludge	3/25/2008	29	1/2 full w/2" water	non-hazardous	5/15/2008	104666CA
AEW-318	M-10	3/7/2008	Sludge	3/25/2008	29	Full w/4" water	non-hazardous	5/15/2008	104666CA
AEW-319	BTNB-R7	3/28/2008	Sludge	4/23/2008	32	Full w/8" water	non-hazardous	5/15/2008	104666CA
AEW-320	BTNB-R6	3/25/2008	Sludge	4/23/2008	33	Full w/ 8" water	non-hazardous	5/15/2008	104666CA
AEW-321	BTNB-R6A	3/27/2008	Sludge	4/23/2008	32	Full w/ 24" water	non-hazardous	5/15/2008	104666CA
AEW-322	BTNB-R6	3/27/2008	Sludge	4/23/2008	33	Full w/ 18" water	non-hazardous	5/15/2008	104666CA
AEW-323	BTNB-R6A	3/27/2008	Sludge	4/23/2008	32	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-324	BTNB-R6	3/27/2008	Sludge	4/23/2008	33	Full w/ 30" water	non-hazardous	5/15/2008	104666CA
AEW-325	BTNB-R6A	3/27/2008	Sludge	4/23/2008	32	1/3 full w/ 4" water	non-hazardous	5/15/2008	104666CA
AEW-326	BTNB-R6	3/26/2008	Sludge	4/23/2008	33	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-327	BTNB-R6	3/26/2008	Sludge	4/23/2008	33	Full w/ 14" water	non-hazardous	5/15/2008	104666CA
AEW-328	BTNB-R7A	4/1/2008	Sludge	4/23/2008	32	Full w/ 20" water	non-hazardous	5/15/2008	104666CA
AEW-329	BTNB-R7A	4/1/2008	Sludge	4/23/2008	32	Full w/ 30" water	non-hazardous	5/15/2008	104666CA
AEW-330	BTNB-R7A	4/1/2008	Sludge	4/23/2008	32	Full w/20" water	non-hazardous	5/15/2008	104666CA
AEW-331	BTNB-R7	4/1/2008	Sludge	4/23/2008	32	Full w/ 20" water	non-hazardous	5/15/2008	104666CA
AEW-332	BTNB-R7	3/31/2008	Sludge	4/23/2008	32	Full w/ 20" water	non-hazardous	5/15/2008	104666CA
AEW-333	BTNB-R7	4/1/2008	Sludge	4/23/2008	32	Full w/ 20" water	non-hazardous	5/15/2008	104666CA
AEW-334	34-0157SB-B2L	4/3/2008	Sludge	4/23/2008	34	Full w/ 20" water	non-hazardous	5/15/2008	104666CA
AEW-335	34-0157SB-B2L	4/3/2008	Sludge	4/23/2008	34	Full w/ 12" water	non-hazardous	5/15/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-336	34-0157SB-B2L	4/2-4/3/08	Sludge	4/23/2008	34	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-337	34-0157SB-B2L	4/3/2008	Sludge	4/23/2008	34	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-338	34-0157SB-B2L	4/3/2008	Sludge	4/23/2008	34	Full w/ 8" water	non-hazardous	5/15/2008	104666CA
AEW-339	34-0157SB-B2R	3/12/2008	Sludge	4/23/2008	34	Full w/ 6" water	non-hazardous	5/15/2008	104666CA
AEW-340	34-0157SB-B3L	3/19/2008	Sludge	4/23/2008	33	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-341	34-0157SB-B3L	3/20/2008	Sludge	4/23/2008	33	Full w/ 20" water	non-hazardous	5/15/2008	104666CA
AEW-342	34-0157SB-B3L	3/20/2008	Sludge	4/23/2008	33	Full w/ 12" water	non-hazardous	5/15/2008	104666CA
AEW-343	34-0157SB-B3L	3/20/2008	Sludge	4/23/2008	33	2/3 full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-344	34-0157NB-B2L	3/19/2008	Sludge	4/23/2008	34	2/3 full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-345	34-0157NB-B2L	3/19/2008	Sludge	4/23/2008	34	Full w/ 6" water	non-hazardous	5/15/2008	104666CA
AEW-346	34-0157SB-B3L	3/20/2008	Sludge	4/23/2008	33	Full w/ 8" water	non-hazardous	5/15/2008	104666CA
AEW-347	34-0157SB-B2R	3/12/2008	Sludge	4/23/2008	34	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-348	34-0157NB-B2L	3/19/2008	Sludge	4/23/2008	34	Full w/ 10" water	non-hazardous	5/15/2008	104666CA
AEW-349	RW6-R2	4/15/2008	Sludge	5/13/2008	35	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-350	RW6-R2A	4/17/2008	Sludge	5/13/2008	35	1/2 full w/4" water	non-hazardous	7/8/2008	104666CA
AEW-351	BTNB-R5	4/11/2008	Sludge	5/13/2008	35	Full w/36" water	non-hazardous	7/8/2008	104666CA
AEW-352	BTNB-R5A	4/10/2008	Sludge	5/13/2008	35	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-353	BTNB-R5	4/7/2008	Sludge	5/13/2008	35	Full w/18" water	non-hazardous	7/8/2008	104666CA
AEW-354	BTNB-R5/BTNB-R5A	No date	Sludge	5/13/2008	36	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-355	BTNB-R5	4/4/2008	Sludge	5/13/2008	36	Full w/6" water	non-hazardous	7/8/2008	104666CA
AEW-356	BTNB-R5	4/4/2008	Sludge	5/13/2008	36	Full w/4" water	non-hazardous	7/8/2008	104666CA
AEW-357	BTNB-R5	4/9/2008	Sludge	5/13/2008	36	Full w/4" water	non-hazardous	7/8/2008	104666CA
AEW-358	BTNB-R5	4/4/2008	Sludge	5/13/2008	36	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-359	BTNB-R5A	4/11/2008	Sludge	5/13/2008	36	Full w/36" water	non-hazardous	7/8/2008	104666CA
AEW-360	BTNB-R5A	4/10/2008	Sludge	5/13/2008	36	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-361	BTNB-R5	4/9/2008	Sludge	5/13/2008	36	Full w/4" water	non-hazardous	7/8/2008	104666CA
AEW-362	BTNB-R5A	4/11/2008	Sludge	5/13/2008	36	2/3 full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-363	BTNB-R5	4/10/2008	Sludge	5/13/2008	36	Full w/36" water	non-hazardous	7/8/2008	104666CA
AEW-364	BTNB-R7	4/3/2008	Sludge	5/13/2008	37	1/2 full wet mud	non-hazardous	7/8/2008	104666CA
AEW-365	BTNB-R7	4/3/2008	Sludge	5/13/2008	37	2/3 full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-366	BTNB-R7	4/3/2008	Sludge	5/13/2008	37	Full w/36" water	non-hazardous	7/8/2008	104666CA
AEW-367	RW6-R2	4/17/2008	Sludge	5/13/2008	35	Full w/3" water	non-hazardous	7/8/2008	104666CA
AEW-368	RW6-R2	4/15/2008	Sludge	5/13/2008	35	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-369	BTSB-R3	4/22/2008	Sludge	5/13/2008	35	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-370	BTSB-R3	4/21/2008	Sludge	5/13/2008	35	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-371	BTSB-R3	4/21/2008	Sludge	5/13/2008	35	Full w/12" water	non-hazardous	7/18/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-372	BTNB-R7	4/2/2008	Sludge	5/13/2008	37	Full w/36" water	non-hazardous	7/18/2008	104666CA
AEW-373	BTNB-R7	4/2/2008	Sludge	5/13/2008	37	Full w/36" water	non-hazardous	7/18/2008	104666CA
AEW-374	34-0157SB-BR4	5/1/2008	Sludge	5/15/2008	37	Full w/10" water	non-hazardous	7/8/2008	104666CA
AEW-375	34-0157SB-BR4	5/1/2008	Sludge	5/15/2008	37	Full w/6" water	non-hazardous	7/8/2008	104666CA
AEW-376	34-0157SB-BR4	5/1/2008	Sludge	5/15/2008	37	Full w/20" water	non-hazardous	7/8/2008	104666CA
AEW-377	34-0157SB-BR4	5/1/2008	Sludge	5/15/2008	37	Full w/6" water	non-hazardous	7/8/2008	104666CA
AEW-378	34-0157SB-BR4	5/1/2008	Sludge	5/15/2008	37	3/4 Full w/20" water	non-hazardous	7/8/2008	104666CA
AEW-379	34-0157SB-BR4	5/1/2008	Sludge	5/15/2008	37	Full w/ 10" water	non-hazardous	7/8/2008	104666CA
AEW-380	BTSB-R3A	4/23/2008	Sludge	6/2/2008	38	1/3 full w/4" water	non-hazardous	7/8/2008	104666CA
AEW-381	BTSB-R3	4/23/2008	Sludge	6/2/2008	38	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-382	BTSB-R3A	4/23/2008	Sludge	6/2/2008	38	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-383	BTSB-R3	4/23/2008	Sludge	6/2/2008	38	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-384	BTSB-R3A	4/23/2008	Sludge	6/2/2008	38	Full w/18" water	non-hazardous	7/8/2008	104666CA
AEW-385	34-0157NB-B3L	3/27/2008	Sludge	6/2/2008	38	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-386	34-0157NB-B2R	3/27/2008	Sludge	6/2/2008	39	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-387	34-0157NB-B2R	3/26/2008	Sludge	6/2/2008	39	Full w/18" water	non-hazardous	7/8/2008	104666CA
AEW-388	34-0157NB-B2R	3/25/2008	Sludge	6/2/2008	39	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-389	34-0157NB-B2R	3/27/2008	Sludge	6/2/2008	39	1/5 full w/3" water	non-hazardous	7/8/2008	104666CA
AEW-390	34-0157NB-B2R	3/27/2008	Sludge	6/2/2008	39	1/2 full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-391	34-0157NB-B2R	3/25/2008	Sludge	6/2/2008	39	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-392	34-0157NB-B2R	3/25/2008	Sludge	6/2/2008	39	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-393	34-0157NB-B2R	3/25/2008	Sludge	6/2/2008	39	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-394	34-0157NB-B3L	3/25/2008	Sludge	6/2/2008	38	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-395	34-0157NB-B3L	3/26/2008	Sludge	6/2/2008	38	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-396	34-0157NB-B3L	3/25/2008	Sludge	6/2/2008	38	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-397	34-0157NB-B3L	3/26/2008	Sludge	6/2/2008	38	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-398	34-0157SB-B4L	4/15/2008	Sludge	6/2/2008	40	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-399	34-0157SB-B4L	4/17/2008	Sludge	6/2/2008	40	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-400	34-0157SB-B4L	4/18/2008	Sludge	6/2/2008	40	Full w/24" water	non-hazardous	7/8/2008	104666CA
AEW-401	RW11-A1	4/9/2008	Sludge	6/2/2008	AEW-401	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-402	34-0160-B1	4/15/2008	Sludge	6/2/2008	41	Full w/12" water	non-RCRA	7/8/2008	CA301612
AEW-403	34-0157SB-B4L	4/17/2008	Sludge	6/2/2008	40	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-404	34-0157SB-B4L	4/17/2008	Sludge	6/2/2008	40	Full w/8" water	non-hazardous	7/8/2008	104666CA
AEW-405	34-19NB-R7	4/8/2008	Soil	6/2/2008	40	Full of soil, no water	non-hazardous	7/8/2008	104665CA
AEW-406	34-0160-B1	4/17/2008	Sludge	6/2/2008	41	Full w/36" water	non-RCRA	7/8/2008	CA301612
AEW-407	34-0160-B1	4/17/2008	Sludge	6/2/2008	41	1/2 full w/18" water	non-RCRA	7/8/2008	CA301612
AEW-408	34-0160-B1	4/17/2008	Sludge	6/2/2008	41	5/6 full w/24" water	non-RCRA	7/8/2008	CA301612

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-409	34-0157NB-B3R	4/3/2008	Sludge	6/2/2008	39	Full w/30" water	non-hazardous	7/18/2008	104666CA
AEW-410	34-0160-B1	4/16/2008	Sludge	6/2/2008	41	5/6 full w/18" water	non-RCRA	7/8/2008	CA301612
AEW-411	34-0157SB-B4R	4/23/2008	Sludge	6/3/2008	40	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-412	34-0157SB-B4R	4/23/2008	Sludge	6/3/2008	40	1/2 full w/6" water	non-hazardous	7/18/2008	104666CA
AEW-413	34-0157SB-B4R	4/22/2008	Sludge	6/3/2008	40	Full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-414	34-0157SB-B3L	4/8/2008	Soil	6/3/2008	39	Full of soil, no water	non-hazardous	7/8/2008	104665CA
AEW-415	34-0160-B2	4/10/2008	Sludge	6/3/2008	41	Full w/18" water	non-RCRA	7/8/2008	CA301612
AEW-416	34-0160-B2	4/9/2008	Sludge	6/3/2008	41	Full w/18" water	non-RCRA	7/8/2008	CA301612
AEW-417	34-0160-B3	4/8/2008	Sludge	6/3/2008	41	Full w/18" water	non-RCRA	7/8/2008	CA301612
AEW-418	34-0160-B2	4/9/2008	Sludge	6/3/2008	41	Full w/12" water	non-RCRA	7/8/2008	CA301612
AEW-419	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	40	3/5 full w/12" water	non-hazardous	7/8/2008	104666CA
AEW-420	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	42	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-421	34-0157SB-B5L	4/29/2008	Sludge	6/3/2008	42	2/3 full w/6" water	non-RCRA	7/18/2008	CA301612
AEW-422	34-0157SB-B5L	4/24/2008	Sludge	6/3/2008	42	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-423	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	42	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-424	34-0157SB-B5L	4/24/2008	Sludge	6/3/2008	42	Full w/18" water	non-RCRA	7/18/2008	CA301612
AEW-425	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	42	Full w/18" water	non-RCRA	7/18/2008	CA301612
AEW-426	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	42	3/5 full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-427	34-0157SB-B5L	4/24/2008	Sludge	6/3/2008	42	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-428	34-0157SB-B5L	4/24/2008	Sludge	6/3/2008	42	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-429	34-0157SB-B5L	4/24/2008	Sludge	6/3/2008	42	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-430	34-0159-R2	5/13/2008	Sludge	6/3/2008	45	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-431	34-0159-R2	5/13/2008	Sludge	6/3/2008	45	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-432	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	43	3/4 full w/6" water	non-hazardous	7/18/2008	104666CA
AEW-433	34-0157NB-B5L	4/29/2008	Sludge	6/3/2008	43	3/4 full w/8" water	non-hazardous	7/18/2008	104666CA
AEW-434	34-0157NB-B3R	4/2/2008	Sludge	6/3/2008	43	Full w/6" water	non-hazardous	7/18/2008	104666CA
AEW-435	34-0157NB-B3R	4/2/2008	Sludge	6/3/2008	43	Full w/8" water	non-hazardous	7/18/2008	104666CA
AEW-436	34-0157NB-B3R	4/3/2008	Sludge	6/3/2008	43	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-437	34-0157NB-B3R	4/3/2008	Soil	6/3/2008	43	1/3 full of solid concrete	non-hazardous	7/18/2008	104665CA
AEW-438	34-0157NB-B3R	4/3/2008	Sludge	6/3/2008	43	Full w/18" water	non-hazardous	7/18/2008	104666CA
AEW-439	34-0157NB-B3R	4/3/2008	Sludge	6/3/2008	43	Full w/18" water	non-hazardous	7/18/2008	104666CA
AEW-440	34-0157NB-B3R	4/3/2008	Sludge	6/4/2008	43	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-441	34-0159-R2	5/12/2008	Sludge	6/4/2008	45	5/6 full w/8" water	non-RCRA	7/18/2008	CA301612
AEW-442	34-0157NB-B5L	4/29/2008	Sludge	6/4/2008	43	1/2 full w/18" water	non-hazardous	7/18/2008	104666CA
AEW-443	34-0157NB-B5L	4/29/2008	Sludge	6/4/2008	44	Full w/18" water	non-RCRA	7/18/2008	CA301612
AEW-444	34-0157NB-B6L	5/5/2008	Sludge	6/4/2008	44	Full w/12" water	non-RCRA	7/18/2008	CA301612
AEW-445	34-0157SB-B5R	4/22/2008	Sludge	6/4/2008	44	Full w/18" water	non-RCRA	7/18/2008	CA301612
AEW-446	34-0157SB-B5R	4/22/2008	Sludge	6/4/2008	44	Full w/12" water	non-RCRA	7/18/2008	CA301612

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-447	34-0157SB-B5R	4/22/2008	Sludge	6/4/2008	44	Full w/12" water	non-RCRA	7/18/2008	CA301612
AEW-448	34-0157SB-B5R	4/22/2008	Sludge	6/4/2008	44	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-449	34-0157SB-B5R	4/22/2008	Sludge	6/4/2008	44	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-450	34-0157SB-B5R	4/22/2008	Sludge	6/4/2008	44	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-451	34-0159-R2	5/12/2008	Sludge	6/4/2008	45	Full w/4" water	non-RCRA	7/18/2008	CA301612
AEW-452	34-0157NB-B6L	5/5/2008	Sludge	6/4/2008	44	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-453	34-0157NB-B6L	5/6/2008	Sludge	6/4/2008	44	3/4 full w/8" water	non-RCRA	7/18/2008	CA301612
AEW-454	34-0157NB-B6L	5/5/2008	Sludge	6/4/2008	45	Full w/12" water	non-RCRA	7/18/2008	CA301612
AEW-455	34-0157NB-B6R	5/8/2008	Sludge	6/4/2008	45	Full w/36" water	non-RCRA	7/18/2008	CA301612
AEW-456	34-0157NB-B6R	5/8/2008	Sludge	6/4/2008	45	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-457	34-0157NB-B6R	5/8/2008	Sludge	6/4/2008	45	5/6 full w/12" water	non-RCRA	7/18/2008	CA301612
AEW-458	34-0157SB-B5L	4/24/2008	Sludge	6/4/2008	45	1/6 full w/4" water	non-RCRA	7/18/2008	CA301612
AEW-459	34-0157NB-B5L	4/29/2008	Sludge	6/4/2008	45	Full w/12" water	non-RCRA	7/18/2008	CA301612
AEW-460	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-461	34-0157SB-B5R	4/22/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-462	34-0157SB-B5R	4/22/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-463	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-464	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-465	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	5/6 full w/20" water	non-RCRA	7/18/2008	CA301612
AEW-466	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-467	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	Full w/24" water	non-RCRA	7/18/2008	CA301612
AEW-468	34-0157SB-B5L	4/24/2008	Sludge	6/5/2008	46	Full w/30" water	non-RCRA	7/18/2008	CA301612
AEW-469	34-0157SB-B4L	5/14/2008	Sludge	6/5/2008	46	Full w/12" water	non-RCRA	7/18/2008	CA301612
AEW-470	34-0157SB-B4L	5/13/2008	Sludge	6/6/2008	47	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-471	34-0157SB-B4L	5/12/2008	Sludge	6/6/2008	47	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-472	34-0157SB-B4L	5/13/2008	Sludge	6/6/2008	47	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-473	34-0157SB-B4L	5/13/2008	Sludge	6/6/2008	47	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-474	34-0157SB-B4L	5/14/2008	Sludge	6/6/2008	47	2/3 full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-475	34-0157SB-B4L	5/14/2008	Sludge	6/6/2008	47	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-476	34-0157SB-B4L	5/14/2008	Sludge	6/6/2008	47	1/2 full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-477	BTNB-R2	5/31/2008	Sludge	6/6/2008	47	1/4 full w/6" water	non-hazardous	7/18/2008	104666CA
AEW-478	BTNB-R2	6/1/2008	Sludge	6/6/2008	47	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-479	BTNB-R2	6/1/2008	Sludge	6/6/2008	47	Full w/30" water	non-hazardous	7/18/2008	104666CA
AEW-480	BTNB-R2	6/1/2008	Sludge	6/6/2008	48	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-481	BTNB-R1	6/1/2008	Sludge	6/6/2008	48	Full w/18" water	non-hazardous	7/18/2008	104666CA
AEW-482	BTNB-R1	6/1/2008	Sludge	6/6/2008	48	3/5 full w/6" water	non-hazardous	7/18/2008	104666CA
AEW-483	BTNB-R1	6/1/2008	Sludge	6/6/2008	48	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-484	BTNB-R1	6/1/2008	Sludge	6/6/2008	48	Full w/6" water	non-hazardous	8/28/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-485	BTNB-R1	5/31/2008	Sludge	6/6/2008	48	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-486	BTNB-R1	5/31/2008	Sludge	6/6/2008	48	Full w/24" water	non-hazardous	7/18/2008	104666CA
AEW-487	BTNB-R2	5/31/2008	Sludge	6/6/2008	48	Full w/12" water	non-hazardous	7/18/2008	104666CA
AEW-488	34-0157NB-B5R	6/24/2008	Sludge	7/2/2008	49	Full w/6" water	non-hazardous	8/7/2008	104666CA
AEW-489	34-0157NB-B5R	6/24/2008	Sludge	7/2/2008	49	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-490	RW8-HZ	6/26/2008	Sludge	7/2/2008	53	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-491	34-0157NB-B5R	6/24/2008	Sludge	7/2/2008	49	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-492	RW8-HZ	6/26/2008	Sludge	7/2/2008	53	3/4 full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-493	34-0157SB-B3R	6/10/2008	Sludge	7/2/2008	50	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-494	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-495	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/12" water	non-hazardous	8/7/2008	104666CA
AEW-496	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/18" water	non-hazardous	8/7/2008	104666CA
AEW-497	34-0157SB-B3R	6/10/2008	Sludge	7/2/2008	50	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-498	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/18" water	non-hazardous	8/7/2008	104666CA
AEW-499	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-500	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/30" water	non-hazardous	8/7/2008	104666CA
AEW-501	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/12" water	non-hazardous	8/7/2008	104666CA
AEW-502	34-0155-R1	6/18/2008	Sludge	7/2/2008	51	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-503	34-0157SB-B3R	6/9/2008	Sludge	7/2/2008	50	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-504	34-0157SB-B3R	6/10/2008	Sludge	7/2/2008	50	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-505	34-0157SB-B3R	6/10/2008	Sludge	7/2/2008	51	Full w/12" water	non-hazardous	8/7/2008	104666CA
AEW-506	34-0155-R1	6/18/2008	Sludge	7/2/2008	51	1/3 full w/6" water	non-hazardous	8/7/2008	104666CA
AEW-507	34-0155-R1	6/18/2008	Sludge	7/2/2008	51	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-508	34-0155-R2	6/19/2008	Sludge	7/2/2008	51	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-509	34-0155-R2	6/19/2008	Sludge	7/2/2008	51	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-510	34-0155-R1	6/18/2008	Sludge	7/2/2008	51	1/2 full w/6" water	non-hazardous	8/7/2008	104666CA
AEW-511	RW8-R1A	6/5/2008	Soil	7/3/2008	49	1/2 full soil, no water	non-hazardous	8/7/2008	104665CA
AEW-512	RW8-R1A	6/5/2008	Soil	7/3/2008	49	Full soil, no water	non-hazardous	8/7/2008	104665CA
AEW-513	RW8-R1	6/5/2008	Soil	7/3/2008	49	Full soil, no water	non-hazardous	8/7/2008	104665CA
AEW-514	RW8-R1A	6/5/2008	Soil	7/3/2008	49	3/4 full soil, no water	non-hazardous	8/7/2008	104665CA
AEW-515	RW8-R1	6/5/2008	Soil	7/3/2008	49	2/3 full soil, no water	non-hazardous	8/7/2008	104665CA
AEW-516	34-0155-R3	6/20/2008	Sludge	7/3/2008	51	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-517	34-0157NB-B4R	6/19/2008	Sludge	7/3/2008	52	Full w/36" water	non-RCRA	8/7/2008	CA301612
AEW-519	34-0157SB-B3R	6/12/2008	Sludge	7/3/2008	51	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-520	34-0157SB-B6L	6/26/2008	Sludge	7/3/2008	52	Full w/6" water	non-RCRA	8/7/2008	CA301612
AEW-521	34-0155-R3	6/20/2008	Sludge	7/3/2008	51	1/2 full w/6" water	non-hazardous	8/7/2008	104666CA
AEW-522	RW17-A1	6/11/2008	Sludge	7/3/2008	53	Full w/36" water	non-hazardous	8/7/2008	104666CA
AEW-523	RW17-A1	6/11/2008	Sludge	7/3/2008	53	Full w/12" water	non-hazardous	8/7/2008	104666CA
AEW-524	RW17-A1	6/11/2008	Sludge	7/3/2008	53	Full w/12" water	non-hazardous	8/7/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-525	34-0157SB-B6L	6/26/2008	Sludge	7/7/2008	52	Full w/12" water	non-RCRA	8/7/2008	CA301612
AEW-526	34-0155-R3	6/20/2008	Sludge	7/7/2008	51	5/6 full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-528	RW17-A1	6/11/2008	Sludge	7/7/2008	53	Full w/12" water	non-hazardous	8/7/2008	104666CA
AEW-529	RW17-A1	6/11/2008	Sludge	7/7/2008	53	Full w/12" water	non-hazardous	8/7/2008	104666CA
AEW-530	34-0157SB-B6L	6/25/2008	Sludge	7/7/2008	52	Full w/12" water	non-RCRA	8/7/2008	CA301612
AEW-531	34-0157SB-B6L	6/25/2008	Sludge	7/7/2008	52	1/6 full w/2" water	non-RCRA	8/7/2008	CA301612
AEW-532	RW1-A1	6/24/2008	Sludge	7/7/2008	53	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-533	RW1-A1	6/24/2008	Sludge	7/7/2008	53	Full w/24" water	non-hazardous	8/7/2008	104666CA
AEW-534	RW1-A1	6/24/2008	Sludge	7/7/2008	53	3/4 full w/6" water	non-hazardous	8/7/2008	104666CA
AEW-535	34-0157SB-B6R	6/27/2008	Sludge	7/7/2008	52	Full w/24" water	non-RCRA	8/7/2008	CA301612
AEW-536	34-0157SB-B6R	6/27/2008	Sludge	7/7/2008	52	Full w/24" water	non-RCRA	8/7/2008	CA301612
AEW-537	34-0157SB-B6R	6/28/2008	Sludge	7/7/2008	52	Full w/24" water	non-RCRA	8/7/2008	CA301612
AEW-538	34-0157SB-B6R	6/27/2008	Sludge	7/7/2008	52	Full w/24" water	non-RCRA	8/7/2008	CA301612
AEW-539	34-0157SB-B6R	6/28/2008	Sludge	7/7/2008	52	2/3 full w/6" water	non-RCRA	8/7/2008	CA301612
AEW-540	34-0157SB-B6L	6/25/2008	Sludge	8/4/2008	54	3/4 full w/12" water	non-hazardous	8/28/2008	104666CA
AEW-541	34-0157NB-B4R	7/9/2008	Soil	8/4/2008	54	3/4 full	non-hazardous	8/28/2008	104666CA
AEW-542	34-0157NB-B4R	7/8/2008	Sludge	8/4/2008	54	Full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-543	34-0157NB-B4R	7/9/2008	Sludge	8/4/2008	54	3/4 full w/12" water	non-hazardous	8/28/2008	104666CA
AEW-544	34-0157NB-B4R	7/9/2008	Sludge	8/4/2008	54	Full w/36" water	non-hazardous	8/28/2008	104666CA
AEW-545	34-0157NB-B4R	7/10/2008	Sludge	8/4/2008	54	Full w/36" water	non-hazardous	8/28/2008	104666CA
AEW-546	34-0157NB-B4R	7/8/2008	Sludge	8/4/2008	54	Full w/12" water	non-hazardous	8/28/2008	104666CA
AEW-547	BTNB-R3	7/27/2008	Sludge	8/4/2008	54	Full w/12" water	non-hazardous	8/28/2008	104666CA
AEW-548	BTNB-R3	7/27/2008	Sludge	8/4/2008	54	Full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-549	BTNB-R3	7/27/2008	Soil	8/4/2008	55	1/3 full	non-hazardous	8/28/2008	104666CA
AEW-550	RW5-R1	7/26/2008	Sludge	8/4/2008	55	Full w/36" water	non-hazardous	8/28/2008	104666CA
AEW-551	RW5-R1	7/26/2008	Sludge	8/4/2008	55	2/3 full w/12" water	non-hazardous	8/28/2008	104666CA
AEW-552	BTNB-R3	7/26/2008	Sludge	8/4/2008	55	Full w/24" water	non-hazardous	8/28/2008	104666CA
AEW-553	BTNB-R3	7/26/2008	Sludge	8/4/2008	55	Full w/12" water	non-hazardous	8/28/2008	104666CA
AEW-554	BTNB-R3	7/26/2008	Soil	8/4/2008	55	1/3 full	non-hazardous	8/28/2008	104666CA
AEW-555	BTNB-R3	7/27/2008	Sludge	8/5/2008	55	Full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-556	RW5-R1	7/27/2008	Sludge	8/5/2008	55	Full w/24" water	non-hazardous	8/28/2008	104666CA
AEW-557	RW5-R1	7/27/2008	Sludge	8/5/2008	55	3/4 full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-558	34-0157SB-A7	7/16/2008	Sludge	8/5/2008	56	Full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-559	34-0157NB-A7	7/18/2008	Sludge	8/5/2008	56	Full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-560	34-0157NB-A7	7/18/2008	Sludge	8/5/2008	56	Full w/6" water	non-hazardous	8/28/2008	104666CA
AEW-561	34-0157NB-A7	7/18/2008	Soil	8/5/2008	56	1/2 full	non-hazardous	8/28/2008	104666CA
AEW-562	34-0157SB-A7	7/16/2008	Sludge	8/5/2008	56	Full w/24" water	non-hazardous	8/28/2008	104666CA
AEW-563	34-0157NB-A7	7/18/2008	Soil	8/5/2008	56	1/6 full	non-hazardous	8/28/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-564	34-0157SB-A7	7/16/2008	Sludge	8/5/2008	56	Full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-565	34-0157NB-A7	7/17/2008	Sludge	8/5/2008	56	5/6 full w/24" water	non-hazardous	8/28/2008	104666CA
AEW-566	34-0157SB-A7	7/16/2008	Sludge	8/5/2008	56	3/4 full w/18" water	non-hazardous	8/28/2008	104666CA
AEW-567	A2-R5	7/25/2008	Soil	8/11/2008	57	Full dry soil	non-hazardous	8/28/2008	104665CA
AEW-568	A2-R5	7/25/2008	Soil	8/11/2008	57	2/3 full dry soil	non-hazardous	8/28/2008	104665CA
AEW-569	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-570	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-571	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-572	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-574	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-575	34-0168-R1	8/21/2008	Sludge	9/4/2008	58	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-577	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-578	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-579	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-581	34-0168-R1	8/19/2008	Sludge	9/4/2008	58	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-582	34-0168-R1	8/19/2008	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-583	34-0168-R1	8/19/2008	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-584	M-23	9/2/2008	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-585	34-0164SB-R1	8/25-26/08	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-586	34-0164SB-R1	8/27/2008	Sludge	9/4/2008	59	Full w/18" water	non-hazardous	11/3/2008	104666CA
AEW-587	34-0164SB-R1	8/26/2008	Sludge	9/4/2008	59	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-588	M-23	9/3/2008	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-589	M-23	9/2/2008	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-590	34-0164SB-R1	8/27/2008	Sludge	9/4/2008	59	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-591	34-0168-R1	8/26/2008	Sludge	9/4/2008	59	Full w/18" water	non-hazardous	11/3/2008	104666CA
AEW-592	34-0164NB-R2	9/9/2008	Sludge	9/17/2008	60	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-593	34-0164NB-R2	9/10/2008	Sludge	9/17/2008	60	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-594	34-0164NB-R2	9/11/2008	Sludge	9/17/2008	60	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-595	34-0164NB-R2	9/10/2008	Sludge	9/17/2008	60	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-596	34-0164NB-R2	9/10/2008	Sludge	9/17/2008	60	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-597	34-0164NB-R2	9/10/2008	Sludge	9/17/2008	60	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-598	34-0164NB-R2	9/10/2008	Sludge	9/17/2008	60	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-599	34-0164NB-R2	9/9/2008	Sludge	9/17/2008	60	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-600	34-0164NB-R2	9/11/2008	Sludge	9/17/2008	60	1/3 full w? 12" water	non-hazardous	11/3/2008	104666CA
AEW-601	M-23	9/3/2008	Sludge	9/17/2008	61	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-602	M-23	9/4/2008	Sludge	9/17/2008	61	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-603	M-23	9/4/2008	Sludge	9/17/2008	61	2/3 full w/4" water	non-hazardous	11/3/2008	104666CA
AEW-604	M-23	9/4/2008	Sludge	9/17/2008	61	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-605	M-23	9/4/2008	Sludge	9/17/2008	61	Full w/24" water	non-hazardous	11/3/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-606	34-0164NB-R4	9/4/2008	Sludge	9/17/2008	60	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-607	34-0164NB-R4	9/4/2008	Sludge	9/17/2008	61	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-608	34-0164NB-R4	9/4/2008	Sludge	9/17/2008	61	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-609	34-0164NB-R4	9/4/2008	Sludge	9/17/2008	61	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-610	M-23	9/4/2008	Sludge	9/17/2008	61	Full w/4" water	non-hazardous	11/3/2008	104666CA
AEW-611	34-0164NB-R4	9/4/2008	Sludge	9/17/2008	61	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-612	34-0164NB-R4	9/4/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-613	34-0164NB-R4	9/4/2008	Sludge	10/9/2008	62	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-614	34-0164NB-R4	9/4/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-615	M-24	9/5/2008	Sludge	11/17/2008	77	Full w/24' water	non-hazardous	12/23/2008	104666CA
AEW-616	34-0164NB-R4	9/4/2008	Sludge	10/9/2008	62	3/4 full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-617	34-0164NB-R4	9/3/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-618	34-0164NB-R4	9/4/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-619	MPTNB-R-7	9/10/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-620	MPTNB-R-7	9/9/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-621	MPTNB-R-7	9/9/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-622	MPTNB-R-7	9/9/2008	Sludge	10/9/2008	62	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-623	34-0164NB-R5	9/17/2008	Sludge	10/17/2008	63	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-624	34-0164NB-R5	9/17/2008	Sludge	10/17/2008	63	Full w/2" water	non-hazardous	11/3/2008	104666CA
AEW-625	34-0164NB-R5	9/17/2008	Sludge	10/17/2008	63	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-626	34-0164NB-R5	9/17/2008	Sludge	10/17/2008	63	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-627	34-0168-R2	9/23/2008	Sludge	10/17/2008	63	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-628	34-0164NB-R5	9/17/2008	Sludge	10/17/2008	63	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-629	34-0164NB-R5	9/17/2008	Sludge	10/17/2008	63	5/6 full w/2" water	non-hazardous	11/3/2008	104666CA
AEW-630	34-0168-R2	9/23/2008	Sludge	10/17/2008	63	2/3 full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-631	34-0168-R2	9/24/2008	Sludge	10/17/2008	63	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-632	34-0168-R2	9/22/2008	Sludge	10/17/2008	63	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-633	34-0165NB-B2	9/24/2008	Sludge	10/17/2008	64	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-634	34-0168-R2	9/24/2008	Sludge	10/17/2008	64	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-635	34-0168-R2	9/24/2008	Sludge	10/17/2008	64	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-636	34-0165SB-B2	10/1/2008	Sludge	10/17/2008	64	3/4 full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-637	34-0165SB-B2	9/30/2008	Sludge	10/17/2008	64	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-638	34-0165SB-B2	9/30/2008	Sludge	10/17/2008	64	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-639	34-0165SB-B2	9/25/2008	Sludge	10/17/2008	64	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-640	34-0165SB-B2	9/25/2008	Sludge	10/17/2008	64	Full w/12" water	non-hazardous	11/3/2008	104666CA
AEW-641	34-0165SB-B2	9/30/2008	Sludge	10/17/2008	64	Full w/24" water	non-hazardous	11/3/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-642	34-0165SB-B2	9/25/2008	Sludge	10/17/2008	64	Full w/24" water	non-hazardous	11/3/2008	104666CA
AEW-643	34-0165SB-B2	10/1/2008	Sludge	11/3/2008	65	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-644	34-0165NB-A5	9/18/2008	Sludge	11/3/2008	65	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-645	34-0165NB-B2	9/24/2008	Sludge	11/3/2008	65	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-646	34-0165NB-A5	9/18/2008	Sludge	11/3/2008	65	1/2 full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-647	34-0165NB-B2	9/24/2008	Sludge	11/3/2008	65	Full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-648	34-0165NB-B2	9/24/2008	Sludge	11/3/2008	65	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-649	34-0165NB-A5	9/18/2008	Sludge	11/3/2008	65	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-650	34-0165NB-A5	9/18/2008	Sludge	11/3/2008	65	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-651	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-652	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-653	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-654	PW-1A	9/19/2008	Sludge	11/3/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-655	M-24	9/5/2008	Sludge	11/3/2008	65	Full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-656	M-24	9/5/2008	Sludge	11/3/2008	65	1/2 full w/6" water	non-hazardous	11/20/2008	104666CA
AEW-657	M-24	9/5/2008	Sludge	11/3/2008	66	Full w/2" water	non-hazardous	11/20/2008	104666CA
AEW-658	34-0164NB-R4	9/2/2008	Sludge	11/3/2008	66	Full w/6" water	non-hazardous	11/20/2008	104666CA
AEW-659	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-660	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-661	M-24	9/5/2008	Sludge	11/3/2008	66	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-662	M-24	9/5/2008	Sludge	11/3/2008	66	3/4 full w/2" water	non-hazardous	11/20/2008	104666CA
AEW-663	MPTNB-R7	9/8/2008	Sludge	11/3/2008	66	Full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-664	MPTNB-R7	9/8/2008	Sludge	11/3/2008	66	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-665	M-24	9/5/2008	Sludge	11/3/2008	66	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-666	MPTNB-R7	9/8/2008	Sludge	11/3/2008	66	Full w/6" water	non-hazardous	11/20/2008	104666CA
AEW-667	MPTNB-R7	9/10/2008	Sludge	11/3/2008	66	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-668	MPTNB-R7	9/10/2008	Sludge	11/3/2008	66	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-669	MPTNB-R7	9/9/2008	Sludge	11/3/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-670	MPTNB-R7	9/10/2008	Sludge	11/3/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-671	MPTNB-R7	9/9/2008	Sludge	11/3/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-672	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/4" water	non-hazardous	11/20/2008	104666CA
AEW-673	PW-1A	9/19/2008	Sludge	11/4/2008	68	3/4 full w/2" water	non-hazardous	11/20/2008	104666CA
AEW-674	PW-1A	9/19/2008	Sludge	11/4/2008	68	3/4 full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-675	PW-1A	9/19/2008	Sludge	11/4/2008	68	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-676	MPTNB-R7	9/9/2008	Sludge	11/4/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-677	MPTNB-R7	9/10/2008	Sludge	11/4/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-678	MPTNB-R7	9/10/2008	Sludge	11/4/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-679	MPTNB-R7	9/10/2008	Sludge	11/4/2008	67	Full w/12" water	non-hazardous	11/20/2008	104666CA
AEW-680	MPTNB-R7	9/13/2008	Sludge	11/4/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-681	MPTNB-R7	9/12/2008	Sludge	11/4/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-682	MPTNB-R7	9/11/2008	Sludge	11/4/2008	67	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-683	MPTNB-R7	9/12/2008	Sludge	11/5/2008	69	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-684	MPTNB-R7	9/12/2008	Sludge	11/5/2008	69	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-685	PW-1A	9/19/2008	Sludge	11/5/2008	69	3/4 full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-686	MPTNB-R7	9/13/2008	Sludge	11/5/2008	69	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-687	MPTNB-R7	9/13/2008	Sludge	11/5/2008	69	3/4 full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-688	MPTNB-R7	9/12/2008	Sludge	11/5/2008	69	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-689	MPTNB-R7	9/12/2008	Sludge	11/5/2008	69	3/4 ful w/ 24" water	non-hazardous	11/20/2008	104666CA
AEW-690	PW-1A	9/19/2008	Sludge	11/5/2008	69	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-691	MPTNB-R7	9/13/2008	Sludge	11/5/2008	69	Full w/36" water	non-hazardous	11/20/2008	104666CA
AEW-692	MPTNB-R7	9/13/2008	Sludge	11/5/2008	69	Full w/36" water	non-hazardous	11/20/2008	104666CA
AEW-693	MPTNB-R7	9/12/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-694	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-695	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-696	MPTNB-R7	9/12/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-697	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/20/2008	104666CA
AEW-698	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-699	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/36" water	non-hazardous	11/21/2008	104666CA
AEW-700	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-701	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/36" water	non-hazardous	11/21/2008	104666CA
AEW-702	MPTNB-R7	9/13/2008	Sludge	11/5/2008	70	Full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-703	MPTNB-R7	9/13/2008	Sludge	11/7/2008	71	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-704	MPTNB-R7	9/15/2008	Sludge	11/7/2008	71	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-705	MPTNB-R7	9/15/2008	Sludge	11/7/2008	71	Full w/36" water	non-hazardous	11/21/2008	104666CA
AEW-706	34-0164NB-R6	10/1/2008	Sludge	11/7/2008	71	Full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-707	34-0164NB-R6	10/1/2008	Sludge	11/7/2008	71	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-708	MPTSB-R5	9/17/2008	Sludge	11/7/2008	71	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-709	MPTSB-R5	9/16/2008	Soil	11/11/2008	76	Full dry soil	non-hazardous	12/23/2008	104665CA
AEW-710	MPTSB-R5	9/16/2008	Sludge	11/7/2008	71	Full w/18" water	non-hazardous	11/21/2008	104666CA
AEW-711	MPTNB-R7	9/15/2008	Sludge	11/7/2008	71	Full w/18" water	non-hazardous	11/21/2008	104666CA
AEW-712	PW-1A	9/19/2008	Sludge	11/7/2008	71	Full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-713	MPTSB-R5	9/16/2008	Sludge	11/7/2008	71	Full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-714	MPTSB-R5	9/17/2008	Sludge	11/7/2008	72	Full w/6" water	non-hazardous	11/21/2008	104666CA

Table 1
Doyle Drive Sludge and Soil Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-715	MPTSB-R5	9/17/2008	Sludge	11/7/2008	72	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-716	PW-1A	9/19/2008	Sludge	11/7/2008	72	Full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-717	34-0164NB-R6	10/1/2008	Sludge	11/7/2008	72	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-718	34-0164NB-R6	10/1/2008	Sludge	11/7/2008	72	1/2 full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-719	34-0164NB-R6	10/1/2008	Sludge	11/7/2008	72	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-720	34-0164NB-R6	10/1/2008	Sludge	11/7/2008	72	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-721	PW-1A	9/19/2008	Sludge	11/7/2008	72	Full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-722	PW-1A	9/18/2008	Sludge	11/7/2008	72	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-723	PW-1A	9/18/2008	Sludge	11/7/2008	72	3/4 full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-724	PW-1A	9/19/2008	Sludge	11/11/2008	73	1/2 full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-725	PW-1A	9/19/2008	Sludge	11/11/2008	73	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-726	34-0168-R2	9/25/2008	Sludge	11/11/2008	73	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-727	34-0164NB-R6	10/1/2008	Sludge	11/11/2008	73	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-728	MPTSB-R4	9/22/2008	Soil	11/11/2008	76	Full dry soil	non-hazardous	12/23/2008	104665CA
AEW-729	PW-1A	9/19/2008	Sludge	11/11/2008	73	1/2 full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-730	PW-1A	9/19/2008	Sludge	11/11/2008	73	Full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-731	PW-1A	9/19/2008	Sludge	11/11/2008	73	Full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-732	PW-1A	9/19/2008	Sludge	11/11/2008	73	Full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-733	PW-1A	9/19/2008	Sludge	11/11/2008	73	5/6 full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-734	34-0168-R2	9/25/2008	Sludge	11/11/2008	73	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-735	34-0168-R2	9/25/2008	Sludge	11/11/2008	74	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-736	MPTSB-R4	9/25/2008	Sludge	11/11/2008	74	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-737	MPTSB-R4	9/24/2008	Sludge	11/11/2008	74	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-738	MPTSB-R4	9/24/2008	Sludge	11/11/2008	74	1/2 full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-739	MPTSB-R4	9/24/2008	Sludge	11/11/2008	74	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-740	MPTSB-R4	9/22/2008	Sludge	11/11/2008	74	3/4 full w/6" water	non-hazardous	11/21/2008	104666CA
AEW-741	MPTSB-R4	9/23/2008	Sludge	11/11/2008	74	3/4 full w/12" water	non-hazardous	11/21/2008	104666CA
AEW-742	34-0164NB-R6	10/2/2008	Sludge	11/11/2008	74	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-743	MPTSB-R4	9/25/2008	Sludge	11/11/2008	74	Full w/24" water	non-hazardous	11/21/2008	104666CA
AEW-744	MPTSB-R4	9/25/2008	Sludge	11/11/2008	74	Full w/2" water	non-hazardous	11/21/2008	104666CA
AEW-745	MPTSB-R4	9/25/2008	Sludge	11/11/2008	75	2/3 full w/6" water	non-hazardous	12/23/2008	104666CA
AEW-746	MPTSB-R4	9/25/2008	Sludge	11/11/2008	75	Full w/12" water	non-hazardous	12/23/2008	104666CA
AEW-747	MPTSB-R4	9/24/2008	Sludge	11/11/2008	75	Full w/24" water	non-hazardous	12/23/2008	104666CA
AEW-748	MPTSB-R4	9/24/2008	Sludge	11/11/2008	75	Full w/24" water	non-hazardous	12/23/2008	104666CA
AEW-749	34-0157NB-B4R	9/26/2008	Soil	11/11/2008	76	Full dry soil	non-hazardous	12/23/2008	104665CA
AEW-750	34-0157NB-B4R	9/26/2008	Soil	11/11/2008	76	Full dry soil	non-hazardous	12/23/2008	104665CA
AEW-751	34-0157NB-B4R	9/26/2008	Soil	11/11/2008	76	Full dry soil	non-hazardous	12/23/2008	104665CA

Table 2
Doyle Drive Water Development Drum Inventory

ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Waste Classification	Drum Removal Date	Profile Number
ESB-R2S, ENB-R1S, ENB-R1AS, ESB-R2AS	3/24/2008	Development Water	6/25/2008	Comp. #1	non-hazardous	8/7/2008	104666CA
ENB-R1I	3/24/2008	Development Water	6/25/2008	Comp. #2	non-hazardous	8/7/2008	104666CA
ESB-R2I	3/25/2008	Development Water	6/25/2008	Comp. #2	non-hazardous	8/7/2008	104666CA
RW18-A1I	3/26/2008	Development Water	6/25/2008	Comp. #2	non-hazardous	8/7/2008	104666CA
ENB-R1AI	3/26/2008	Development Water	6/25/2008	Comp. #2	non-hazardous	8/7/2008	104666CA
ESB-R2AI	3/25/2008	Development Water	6/25/2008	Comp. #2	non-hazardous	8/7/2008	104666CA
ENB-R1D	3/24/2008	Development Water	6/25/2008	Comp. #3	non-hazardous	8/7/2008	104666CA
ENB-R1D	3/24/2008	Development Water	6/25/2008	Comp. #3	non-hazardous	8/7/2008	104666CA
ENB-R1D, ESB-R2D	3/24/2008	Development Water	6/25/2008	Comp. #3	non-hazardous	8/7/2008	104666CA
ESB-R2D	3/25/2008	Development Water	6/25/2008	Comp. #3	non-hazardous	8/7/2008	104666CA
ESB-R2D	3/25/2008	Development Water	6/25/2008	Comp. #3	non-hazardous	8/7/2008	104666CA
RW14-A1	3/21/2008	Development Water	6/25/2008	Comp. #4	non-hazardous	8/7/2008	104666CA
RW19-A1I	3/24/2008	Development Water	6/25/2008	Comp. #4	non-hazardous	8/7/2008	104666CA
DSB-R4I	3/26/2008	Development Water	6/25/2008	Comp. #4	non-hazardous	8/7/2008	104666CA
DSB-R4I	3/26/2008	Development Water	6/25/2008	Comp. #4	non-hazardous	8/7/2008	104666CA
TS-R1S, DNB-R7S, DSB-R4S, RW19-A1S, RW18-A1S	3/21/2008	Development Water	6/25/2008	Comp. #5	non-hazardous	8/7/2008	104666CA
TS-R1I	3/27/2008	Development Water	6/25/2008	Comp. #6	non-hazardous	8/7/2008	104666CA
DNB-R7I	3/28/2008	Development Water	6/25/2008	Comp. #6	non-hazardous	8/7/2008	104666CA
MBTSB-R2	3/21/2008	Development Water	6/25/2008	Comp. #6	non-hazardous	8/7/2008	104666CA
MBTNB-R2	3/21/2008	Development Water	6/25/2008	Comp. #6	non-hazardous	8/7/2008	104666CA
MBTNB-R2	3/21/2008	Development Water	6/25/2008	Comp. #6	non-hazardous	8/7/2008	104666CA
TS-R1D	3/27/2008	Development Water	6/25/2008	Comp. #7	non-hazardous	8/7/2008	104666CA
DSB-R4D	3/27/2008	Development Water	6/25/2008	Comp. #7	non-hazardous	8/7/2008	104666CA
DSB-R4D	3/27/2008	Development Water	6/25/2008	Comp. #7	non-hazardous	8/7/2008	104666CA
TS-R1D, DSB-R4D	3/27/2008	Development Water	6/25/2008	Comp. #7	non-hazardous	8/7/2008	104666CA
A2-R2, A2-R9	3/28/2008	Development Water	6/25/2008	Comp. #8	non-hazardous	8/7/2008	104666CA
MBTSB-R3	3/21/2008	Development Water	3/21/2008	MBTSB-R3	non-hazardous	8/7/2008	104666CA
MBTSB-R3	3/21/2008	Development Water	3/21/2008	MBTSB-R3	non-hazardous	8/7/2008	104666CA
BTNB-R5	6/13/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
BTNB-R6/R6A	6/13/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
BTNB-R5A	6/13/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
BTNB-R5/R6	6/13/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
RW17-A1 S/I/D	6/16/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
BTNB-R7S/D	6/10/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
BTNB-R4	6/9/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA
BTSB-R3, BTSB-R1	6/12/2008	Development Water	8/5/2008	Comp. #10	non-hazardous	11/21/2008	106454CA
RW6-R1, RW6-R2S, RW6-R2D	6/9/2008	Development Water	8/5/2008	Comp. #10	non-hazardous	11/21/2008	106454CA
BTNB-R7S, BTNB-R7D	6/10/2008	Development Water	8/5/2008	Comp. #9	non-hazardous	11/21/2008	106454CA

Table 2
Doyle Drive Water Development Drum Inventory

ARUP Drum ID	Generation Date	Drum Contents	Date Sampled	Sample Composite ID	Waste Classification	Drum Removal Date	Profile Number
RW8-R4, RW8-R5, RW8-R1, 34-19NB-R7, 34-0157SB-B3L, BTSB-R1	6/11/2008	Development Water	8/5/2008	Comp. #10	non-hazardous	11/21/2008	106454CA
BTSB-R3/R3A	6/12/2008	Development Water	8/5/2008	Comp. #10	non-hazardous	11/21/2008	106454CA

Table 3
Doyle Drive Groundwater Drum Inventory

AEW Drum ID	ARUP Drum ID	Generation Date	Drum Contents	Date/Time Sampled	Sample Composite ID	Comments	Waste Classification	Drum Removal Date	Profile Number
AEW-518	34-0157NB-B4R	6/17/2008	Water	8/17/2008	11	Full water only	non-hazardous	11/21/2008	106454CA
AEW-527	RW-17-A1	6/11/2008	Water	8/17/2008	11	Full water only	non-hazardous	11/21/2008	106454CA
AEW-573	34-0168-R1	8/19/2008	Water	10/30/2008	12	Full water only	non-hazardous	11/21/2008	106454CA
AEW-576	34-0168-R1	8/19/2008	Water	10/30/2008	12	Full water only	non-hazardous	11/21/2008	106454CA
AEW-580	34-0168-R1	8/19/2008	Water	10/30/2008	12	Full water only	non-hazardous	11/21/2008	106454CA
AEW-752	34-0157NB-R4PZ	10/3/2008	Water	11/14/2008	AEW-752	Full water only	non-hazardous	12/23/2008	106454CA

TABLE 4
RESULTS OF PETROLEUM HYDROCARBONS, BTEX, AND MTBE ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*TPHs as Gasoline*	*TPHs as Diesel*	*TPHs as Motor Oil*	*Benzene*	*Ethy lbenzene*	*Toluene*	*Xylenes (Total)*	*MTBE*
Unit	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	10	NV	NV	NV	NV
SAMPLES								
Composite #1	***36***	***320***	***12***	<0.005	<0.005	<0.005	***0.011***	<0.05
Composite #2	***69***	***510***	***8.9***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #3	***5.4***	***140***	***8.0***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #4	***3.2***	***200***	***820***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #5	***12***	***120***	***500***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #6	***56***	***480***	<50	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #7	***21***	***190***	<25	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #8	***1.7***	***11***	***25***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #9	***9.6***	***18***	***6.1***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #10	***2.0***	***4.3***	***8.9***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #11	***31***	***230***	***18***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #12	<1.0	***20***	***51***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #13	***1.9***	***8.9***	***30***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #14	***11***	***12***	<5.0	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #15	***7.2***	***14***	***11***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #16	***15***	***170***	***25***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #17	***45***	***350***	***22***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #18	***26***	***150***	***14***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #19	***37***	***81***	***20***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #20	***64***	***670***	***14***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #21	***7.6***	***20***	***63***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #22	***2.7***	***18***	***50***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #23	***32***	***190***	***20***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #24	***29***	***520***	***31***	<0.005	<0.005	***0.0081***	<0.005	<0.05
Composite #25	***29***	***110***	***12***	<0.005	<0.005	<0.005	<0.005	<0.05

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 4
RESULTS OF PETROLEUM HYDROCARBONS, BTEX, AND MTBE ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	TPHs as Gasoline	TPHs as Diesel	TPHs as Motor Oil	Benzene	Ethy lbenzene	Toluene	Xylenes (Total)	MTBE
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	10	NV	NV	NV	NV
SAMPLES								
Composite #26	7.1	33	43	<0.005	<0.005	<0.005	<0.005	<0.05
Compsoite #27	56	1100	<50	<0.005	<0.005	0.0081	0.015	<0.05
Composite #28	5.2	3.7	6.3	<0.005	<0.005	<0.005	0.0073	<0.05
Composite #29	1.7	6	39	<0.005	<0.005	0.015	<0.005	<0.05
Composite #30	1.3	21	59	<0.005	<0.005	0.035	0.016	<0.05
Composite #31	25	63	84	<0.005	<0.005	0.0055	0.0065	<0.05
Composite #32	37	81	62	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #33	30	750	<50	<0.05	<0.05	<0.05	<0.05	<0.5
Composite #34	43	1300	<100	<0.005	<0.005	0.021	0.012	<0.05
Composite #35	22	94	49	<0.005	<0.005	0.011	0.029	<0.05
Composite #36	81	780	<50	<0.005	<0.005	0.0079	0.0098	<0.05
Composite #37	35	270	35	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #38	13	220	23	<0.005	0.0065	<0.005	0.056	<0.05
Composite #39	28	140	5.1	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #40	35	1800	<250	<0.005	<0.005	0.016	0.016	<0.05
Composite #41	38	690	<50	<0.005	<0.005	0.011	0.013	<0.05
AEW-401	49	320	<25	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #42	6.2	22	11	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #43	56	100	7.6	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #44	6.4	8.7	14	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #45	9.1	760	70	<0.005	<0.005	0.0074	0.011	<0.05
Composite #46	16	13	15	<0.005	<0.005	0.0099	0.03	<0.05
Composite #47	45	380	19	<0.005	<0.005	0.016	0.028	<0.05
Composite #48	28	96	39	<0.005	0.0083	0.015	0.044	<0.05
Composite #49	71	120	23	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #50	49	780	30	<0.005	<0.005	<0.005	<0.005	<0.05

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 4
RESULTS OF PETROLEUM HYDROCARBONS, BTEX, AND MTBE ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*TPHs as Gasoline*	*TPHs as Diesel*	*TPHs as Motor Oil*	*Benzene*	*Ethy lbenzene*	*Toluene*	*Xylenes (Total)*	*MTBE*
Unit	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	10	NV	NV	NV	NV
SAMPLES								
Composite #51	***10***	***49***	***37***	<0.05	<0.05	<0.05	<0.05	<0.5
Composite #52	***20***	***20***	***73***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #53	***32***	***450***	***68***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #54	***15***	***140***	***19***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #55	***27***	***21***	***38***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #56	***2.7***	***24***	***58***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #57	<1	<1	<5	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #58	***46***	***1,100***	<100	<0.005	<0.005	***0.012***	<0.005	<0.05
Composite #59	***65***	***320***	<25	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #60	***51***	***1,000***	***100***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #61	***15***	***22***	***34***	<0.017	<0.017	<0.017	<0.017	<0.17
Composite #62	***20***	***53***	***9.1***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #63	***6.7***	***7.5***	***18***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #64	***85***	***660***	***13***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #65	***51***	***370***	***12***	<0.025	<0.025	<0.025	<0.025	<0.25
Composite #66	***9.7***	***33***	***26***	<0.017	<0.017	<0.017	<0.017	<0.17
Composite #67	<1	***6***	***20***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #68	***11***	***47***	***8.7***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #69	***2.7***	***22***	***31***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #70	***5.2***	***33***	***56***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #71	***1.2***	***8.8***	***24***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #72	***6.7***	***28***	***33***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #73	***5.7***	***20***	***25***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #74	***1.1***	***20***	***64***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #75	<1	***18***	***61***	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #76	<1	***1.3***	<5	<0.005	<0.005	<0.005	<0.005	<0.05
Compsoite #77	<1	***3.1***	***23***	<0.005	<0.005	<0.005	<0.005	<0.05

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Acetone*	*Acrolein*	*Acrylo nitrile*	*tert-Amyl methy ether*	*Benzene*	*Bromo benzene*	*Bromo chloro methane*	*Bromo dichloro methane*	*Bromoform*	*Bromo methane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	10	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	***0.11***	<0.05	<0.02	<0.005	***0.023***	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #5	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #6	***0.16***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #9	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #10	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #11	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #12	<0.20	<0.20	<0.080	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Composite #13	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #14	***0.63***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #15	***0.11***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*2-Butanone (MEK)*	*t-Butyl Alcohol*	*n-Butyl benzene*	*sec-Butyl benzene*	*tert-Butyl benzene*	*Carbon disulfide*	*Carbon tetra chloride*	*Chloro benzene*	*Chloro ethane*	*2-Chloroethyl vinyl ether*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	4000	NV	NV	NV	NV	NV	10	2000	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #4	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #5	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #6	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #7	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #8	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #9	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #10	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Compsoite #11	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #12	<0.080	<0.20	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040
Composite #13	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #14	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #15	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Chloroform*	*Chloro methane*	*2-Chloro toluene*	*4-Chloro toluene*	*Dibromo chloro methane*	*1,2-Dibromo-3-chloro propane*	*1,2-Dibromo ethane*	*Dibromo methane*	*1,2-Dichloro benzene*	*1,3-Dichloro benzene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	120	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Compsoite #11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.016	<0.016	<0.020	<0.020	<0.020
Composite #13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	***0.0094***	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,4-Dichloro Benzene*	*Dichloro difluoro methane*	*1,1-Dichloro ethane*	*1,2-Dichloro ethane*	*1,1-Dichloro ethene*	*cis-1,2-Dichloro ethene*	*trans-1,2-dichloro ethene*	*1,2-Dichloro propane*	*1,3-Dichloro propane*	*2,2-Dichloro propane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	150	NV	NV	10	14	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #9	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #12	<0.020	<0.020	<0.020	<0.016	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Composite #13	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #15	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1-Dichloro propene*	*cis-1,3-Dichloro propene*	*trans-1,3-dichloro propene*	*Diiso propyl ether*	*Ethyl benzene*	*Ethyl tert-butyl ether*	*Freon 113*	*Hexachloro butadiene*	*Hexachloro ethane*	*2-Hexanone*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	10	60	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Compsoite #11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.40	<0.020	<0.020	<0.020
Composite #13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Isopropyl benzene*	*4-Isopropyl toluene*	*Methyl-t-butyl ether (MTBE)*	*Methylene chloride*	*4-Methyl-2-pentanone*	*Naphthalene*	*Nitro benzene*	*n-Propyl Benzene*	*Styrene*	*1,1,1,2,-Tetrachloroethane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	40	NV	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Compsoite #11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #12	<0.020	<0.020	<0.020	<0.020	<0.020	***0.41***	<0.40	<0.020	<0.020	<0.020
Composite #13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Toluene*	*1,2,3-Trichlorobenzene*	*1,2,4-Trichlorobenzene*	*1,1,1-Trichloroethane*	*1,1,2-Trichloroethane*	*Trichloroethene*	*Trichlorofluoromethane*	*1,2,3-Trichloropropane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	14	NV	NV	NV	NV	NV	10	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Composite #13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,2,4-Trimethyl benzene*	*1,3,5-Trimethyl benzene*	*Vinyl chloride*	*Xylenes*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS				
20 x TCLPs	NV	NV	4	NV
SAMPLES				
Composite #1	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.005	<0.005	<0.005	<0.005
Composite #5	<0.005	<0.005	<0.005	<0.005
Composite #6	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.005	<0.005	<0.005	<0.005
Composite #9	<0.005	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005
Compsoite #11	<0.005	<0.005	<0.005	<0.005
Composite #12	<0.020	<0.020	<0.020	<0.020
Composite #13	<0.005	<0.005	<0.005	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005
Composite #15	<0.005	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Acetone*	*Acrolein*	*Acrylo nitrile*	*tert-Amyl methy ether*	*Benzene*	*Bromo benzene*	*Bromo chloro methane*	*Bromo dichloro methane*	*Bromoform*	*Bromo methane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	10	NV	NV	NV	NV	NV
SAMPLES										
Composite #21	***0.2***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #22	***0.055***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.1	<0.1	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Composite #26	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	***0.077***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #30	***0.084***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*2-Butanone (MEK)*	*t-Butyl Alcohol*	*n-Butyl benzene*	*sec-Butyl benzene*	*tert-Butyl benzene*	*Carbon disulfide*	*Carbon tetra chloride*	*Chloro benzene*	*Chloro ethane*	*2-Chloroethyl vinyl ether*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	4000	NV	NV	NV	NV	NV	10	2000	NV	NV
SAMPLES										
Composite #21	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #22	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.04	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02
Composite #26	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #30	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Chloroform*	*Chloro methane*	*2-Chloro toluene*	*4-Chloro toluene*	*Dibromo chloro methane*	*1,2-Dibromo-3-chloro propane*	*1,2-Dibromo ethane*	*Dibromo methane*	*1,2-Dichloro benzene*	*1,3-Dichloro benzene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	120	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #21	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #22	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.008	<0.008	<0.01	<0.01	<0.01
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005
Composite #30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.004	<0.005	***0.031***	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,4-Dichloro Benzene*	*Dichloro difluoro methane*	*1,1-Dichloro ethane*	*1,2-Dichloro ethane*	*1,1-Dichloro ethene*	*cis-1,2-Dichloro ethene*	*trans-1,2-dichloro ethene*	*1,2-Dichloro propane*	*1,3-Dichloro propane*	*2,2-Dichloro propane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	150	NV	NV	10	14	NV	NV	NV	NV	NV
SAMPLES										
Composite #21	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #22	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.01	<0.01	<0.01	<0.008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #30	<0.005	<0.005	<0.005	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1-Dichloro propene*	*cis-1,3-Dichloro propene*	*trans-1,3-dichloro propene*	*Diiso propyl ether*	*Ethyl benzene*	*Ethyl tert-butyl ether*	*Freon 113*	*Hexachloro butadiene*	*Hexachloro ethane*	*2-Hexanone*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	10	60	NV
SAMPLES										
Composite #21	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #22	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Isopropyl benzene*	*4-Isopropyl toluene*	*Methyl-t-butyl ether (MTBE)*	*Methylene chloride*	*4-Methyl-2-pentanone*	*Naphthalene*	*Nitro benzene*	*n-Propyl Benzene*	*Styrene*	*1,1,1,2,-Tetrachloroethane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	40	NV	NV	NV
SAMPLES										
Composite #21	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #22	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Toluene*	*1,2,3-Trichlorobenzene*	*1,2,4-Trichlorobenzene*	*1,1,1-Trichloroethane*	*1,1,2-Trichloroethane*	*Trichloroethene*	*Trichlorofluoromethane*	*1,2,3-Trichloropropane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	14	NV	NV	NV	NV	NV	10	NV	NV
SAMPLES										
Composite #21	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #22	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,2,4-Trimethyl benzene*	*1,3,5-Trimethyl benzene*	*Vinyl chloride*	*Xylenes*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS				
20 x TCLPs	NV	NV	4	NV
SAMPLES				
Composite #21	<0.005	<0.005	<0.005	<0.005
Composite #22	<0.005	<0.005	<0.005	<0.005
Composite #23	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA
Composite #25	<0.01	<0.01	<0.01	<0.01
Composite #26	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA
Composite #29	<0.005	<0.005	<0.005	<0.005
Composite #30	<0.005	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Acetone*	*Acrolein*	*Acrylo nitrile*	*tert-Amyl methy ether*	*Benzene*	*Bromo benzene*	*Bromo chloro methane*	*Bromo dichloro methane*	*Bromoform*	*Bromo methane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	10	NV	NV	NV	NV	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #60	***0.084***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*2-Butanone (MEK)*	*t-Butyl Alcohol*	*n-Butyl benzene*	*sec-Butyl benzene*	*tert-Butyl benzene*	*Carbon disulfide*	*Carbon tetra chloride*	*Chloro benzene*	*Chloro ethane*	*2-Chloroethyl vinyl ether*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	4000	NV	NV	NV	NV	NV	10	2000	NV	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #59	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #60	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Chloroform*	*Chloro methane*	*2-Chloro toluene*	*4-Chloro toluene*	*Dibromo chloro methane*	*1,2-Dibromo-3-chloro propane*	*1,2-Dibromo ethane*	*Dibromo methane*	*1,2-Dichloro benzene*	*1,3-Dichloro benzene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	120	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #60	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,4-Dichloro Benzene*	*Dichloro difluoro methane*	*1,1-Dichloro ethane*	*1,2-Dichloro ethane*	*1,1-Dichloro ethene*	*cis-1,2-Dichloro ethene*	*trans-1,2-dichloro ethene*	*1,2-Dichloro propane*	*1,3-Dichloro propane*	*2,2-Dichloro propane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	150	NV	NV	10	14	NV	NV	NV	NV	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #60	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1-Dichloro propene*	*cis-1,3-Dichloro propene*	*trans-1,3-dichloro propene*	*Diiso propyl ether*	*Ethyl benzene*	*Ethyl tert-butyl ether*	*Freon 113*	*Hexachloro butadiene*	*Hexachloro ethane*	*2-Hexanone*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	10	60	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #60	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Isopropyl benzene*	*4-Isopropyl toluene*	*Methyl-t-butyl ether (MTBE)*	*Methylene chloride*	*4-Methyl-2-pentanone*	*Naphthalene*	*Nitro benzene*	*n-Propyl Benzene*	*Styrene*	*1,1,1,2,-Tetrachloroethane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	40	NV	NV	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #60	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Toluene*	*1,2,3-Trichlorobenzene*	*1,2,4-Trichlorobenzene*	*1,1,1-Trichloroethane*	*1,1,2-Trichloroethane*	*Trichloroethene*	*Trichlorofluoromethane*	*1,2,3-Trichloropropane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	14	NV	NV	NV	NV	NV	10	NV	NV
SAMPLES										
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	***0.0091***	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #60	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,2,4-Trimethyl benzene*	*1,3,5-Trimethyl benzene*	*Vinyl chloride*	*Xylenes*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS				
20 x TCLPs	NV	NV	4	NV
SAMPLES				
Composite #41	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA
Composite #53	<0.005	<0.005	<0.005	<0.005
Composite #54	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005
Composite #60	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Acetone*	*Acrolein*	*Acrylo nitrile*	*tert-Amyl methy ether*	*Benzene*	*Bromo benzene*	*Bromo chloro methane*	*Bromo dichloro methane*	*Bromoform*	*Bromo methane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	10	NV	NV	NV	NV	NV
SAMPLES										
Composite #61	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #64	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #65	***0.085***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #66	***0.07***	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #70	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #74	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.05	<0.05	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*2-Butanone (MEK)*	*t-Butyl Alcohol*	*n-Butyl benzene*	*sec-Butyl benzene*	*tert-Butyl benzene*	*Carbon disulfide*	*Carbon tetra chloride*	*Chloro benzene*	*Chloro ethane*	*2-Chloroethyl vinyl ether*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	4000	NV	NV	NV	NV	NV	10	2000	NV	NV
SAMPLES										
Composite #61	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #62	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #63	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #64	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #65	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #66	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #67	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #68	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #69	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #70	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #71	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #72	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #73	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #74	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #75	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #76	<0.02	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Chloroform*	*Chloro methane*	*2-Chloro toluene*	*4-Chloro toluene*	*Dibromo chloro methane*	*1,2-Dibromo-3-chloro propane*	*1,2-Dibromo ethane*	*Dibromo methane*	*1,2-Dichloro benzene*	*1,3-Dichloro benzene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	120	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #64	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,4-Dichloro Benzene*	*Dichloro difluoro methane*	*1,1-Dichloro ethane*	*1,2-Dichloro ethane*	*1,1-Dichloro ethene*	*cis-1,2-Dichloro ethene*	*trans-1,2-dichloro ethene*	*1,2-Dichloro propane*	*1,3-Dichloro propane*	*2,2-Dichloro propane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	150	NV	NV	10	14	NV	NV	NV	NV	NV
SAMPLES										
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #64	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1-Dichloro propene*	*cis-1,3-Dichloro propene*	*trans-1,3-dichloro propene*	*Diiso propyl ether*	*Ethyl benzene*	*Ethyl tert-butyl ether*	*Freon 113*	*Hexachloro butadiene*	*Hexachloro ethane*	*2-Hexanone*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	10	60	NV
SAMPLES										
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #63	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #64	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #73	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Isopropyl benzene*	*4-Isopropyl toluene*	*Methyl-t-butyl ether (MTBE)*	*Methylene chloride*	*4-Methyl-2-pentanone*	*Naphthalene*	*Nitro benzene*	*n-Propyl Benzene*	*Styrene*	*1,1,1,2,-Tetrachloroethane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	40	NV	NV	NV
SAMPLES										
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #63	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #64	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #73	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Toluene*	*1,2,3-Trichlorobenzene*	*1,2,4-Trichlorobenzene*	*1,1,1-Trichloroethane*	*1,1,2-Trichloroethane*	*Trichloroethene*	*Trichlorofluoromethane*	*1,2,3-Trichloropropane*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	14	NV	NV	NV	NV	NV	10	NV	NV
SAMPLES										
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #64	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 5
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,2,4-Trimethyl benzene*	*1,3,5-Trimethyl benzene*	*Vinyl chloride*	*Xylenes*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS				
20 x TCLPs	NV	NV	4	NV
SAMPLES				
Composite #61	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.005	<0.005	<0.005	<0.005
Composite #64	<0.005	<0.005	<0.005	<0.005
Composite #65	<0.005	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005
Composite #70	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.005	<0.005	<0.005	<0.005
Composite #74	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Total Concentration									
Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium Tot.	Chromium VI	Cobalt	Copper
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS									
TTLCs	500	500	10000	75	100	2500	500	8000	2500
10 x STLCs	150	50	1000	7.5	10	50	50	800	250
20 x TCLPs	NV	100	2000	NV	20	100	100	NV	NV
WET and TCLP	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES									
Composite #1	<0.5	4.1	100	<0.5	<0.25	40	NA	7.7	25
Composite #2	<0.5	1.7	33	<0.5	<0.25	45	NA	6.3	5.7
Composite #3	<0.5	3.0	62	<0.5	<0.25	37	NA	5.0	13
Composite #4	<0.5	3.4	1600	<0.5	<0.25	43	NA	6.4	21
Composite #5	<0.5	3.3	770	<0.5	<0.25	50	NA	7.9	22
Composite #6	<0.5	2.0	2400	<0.5	<0.25	43	NA	5.3	6.1
Composite #7	<0.5	1.9	12000	<0.5	<0.25	41	NA	4.9	6.5
AEW-028	NA	NA	9300	NA	NA	NA	NA	NA	NA
AEW-029	NA	NA	39	NA	NA	NA	NA	NA	NA
AEW-030	NA	NA	30	NA	NA	NA	NA	NA	NA
AEW-031	NA	NA	11000	NA	NA	NA	NA	NA	NA
AEW-032	NA	NA	28	NA	NA	NA	NA	NA	NA
AEW-033	NA	NA	37	NA	NA	NA	NA	NA	NA
AEW-034	NA	NA	430	NA	NA	NA	NA	NA	NA
AEW-035	NA	NA	28	NA	NA	NA	NA	NA	NA
AEW-070	NA	NA	34	NA	NA	NA	NA	NA	NA
AEW-071	NA	NA	37	NA	NA	NA	NA	NA	NA
AEW-073	NA	NA	39	NA	NA	NA	NA	NA	NA
Composite #8	<0.5	3.3	150	<0.5	<0.25	57	NA	6.8	16
Composite #9	<0.5	2.0	85	<0.5	<0.25	43	NA	4.4	5.8
Composite #10	<0.5	2.0	53	<0.5	<0.25	33	NA	4.0	6.7
Composite #11	<0.5	1.8	37	<0.5	<0.25	32	NA	4.5	8.4
Composite #12	<0.5	2.3	44	<0.5	<0.25	31	NA	5.2	8.7
Composite #13	<0.5	2.6	49	<0.5	<0.25	50	NA	5.2	7.4
Composite #14	<0.5	2.1	51	<0.5	<0.25	41	NA	5	8.7
Composite #15	<0.5	1.6	38	<0.5	<0.25	30	NA	3.3	4.9
Composite #16	<0.5	3.6	120	<0.5	<0.25	73	NA	8.7	19
Composite #17	<0.5	2.3	66	<0.5	<0.25	200	NA	18	15
Composite #18	<0.5	2.5	88	<0.5	<0.25	180	NA	15	16
Composite #19	<0.5	2.8	47	<0.5	<0.25	240	NA	21	42

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NR = not required
NA = not analyzed
TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Total Concentration									
Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium Tot.	Chromium VI	Cobalt	Copper
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS									
TTLCs	500	500	10000	75	100	2500	500	8000	2500
10 x STLCs	150	50	1000	7.5	10	50	50	800	250
20 x TCLPs	NV	100	2000	NV	20	100	100	NV	NV
WET and TCLP	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES									
Composite #20	<0.5	3.5	57	<0.5	<0.25	98	NA	11	18
Composite #21	0.54	2	34	<0.5	<0.25	33	NA	4.4	6.8
Composite #22	0.81	2.5	81	<0.5	<0.25	44	NA	6.1	36
Composite #23	<0.5	1.7	28	<0.5	<0.25	190	NA	15	18
Composite #24	<0.5	2.2	40	<0.5	<0.25	88	NA	8.9	52
Composite #25	<0.5	3	57	<0.5	<0.25	51	NA	6	17
Composite #26	<0.5	4.6	38	<0.5	<0.25	48	NA	6.4	18
Composite #27	<0.5	2.9	67	<0.5	<0.25	28	NA	5.4	25
Composite #28	<0.5	0.91	47	<0.5	<0.25	140	NA	20	6.3
Composite #29	<0.5	1.7	92	<0.5	<0.25	64	NA	6.3	11
Composite #30	<0.5	2.3	84	<0.5	<0.25	51	NA	7.7	35
Composite #31	<0.5	1.7	79	<0.5	<0.25	160	NA	17	25
Composite #32	<0.5	1.9	37	<0.5	<0.25	170	NA	26	9.1
Composite #33	<0.5	3.1	55	<0.5	<0.25	110	NA	15	16
Composite #34	<0.5	2.8	76	<0.5	<0.25	51	NA	6.2	23
Composite #35	<0.5	3.9	120	<0.5	<0.25	48	NA	7.6	22
Composite #36	<0.5	4.4	150	<0.5	<0.25	40	NA	7.2	22
Composite #37	<0.5	2.9	41	<0.5	<0.25	130	NA	18	65
Composite #38	<0.5	1.9	58	<0.5	<0.25	42	NA	5.4	17
Composite #39	<0.5	2.6	62	<0.5	<0.25	51	NA	5.8	17
Composite #40	<0.5	4.4	97	<0.5	<0.25	87	NA	11	36
Composite #41	<0.5	2.5	31	<0.5	<0.25	310	NA	21	16
AEW-401	<0.5	3.1	59	<0.5	<0.25	50	NA	6.9	8.6
Composite #42	<0.5	0.96	16	<0.5	<0.25	360	NA	23	10
Composite #43	<0.5	3.1	71	<0.5	<0.25	68	NA	7.1	18
Composite #44	<0.5	1.1	26	<0.5	<0.25	350	NA	21	9.1
Composite #45	<0.5	1.3	29	<0.5	<0.25	550	NA	38	19
Composite #46	<0.5	1.1	15	<0.5	<0.25	290	NA	20	8.5
Composite #47	<0.5	2.4	62	<0.5	<0.25	170	NA	17	16
Composite #48	<0.5	4.9	120	<0.5	<0.25	120	NA	16	24

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
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TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Total Concentration									
Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium Tot.	Chromium VI	Cobalt	Copper
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS									
TTLCs	500	500	10000	75	100	2500	500	8000	2500
10 x STLCs	150	50	1000	7.5	10	50	50	800	250
20 x TCLPs	NV	100	2000	NV	20	100	100	NV	NV
WET and TCLP	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES									
Composite #49	<0.5	3.2	61	<0.5	<0.25	220	NA	16	17
Composite #50	<0.5	2.9	51	<0.5	<0.25	63	NA	7.2	12
Composite #51	<0.5	0.7	22	<0.5	<0.25	400	NA	41	16
Composite #52	<0.5	0.6	14	<0.5	<0.25	390	NA	27	9
Composite #53	<0.5	2.6	65	<0.5	<0.25	45	NA	5.8	20
Composite #54	<0.5	1.8	41	<0.5	<0.25	150	NA	13	15
Composite #55	<0.5	2.1	150	<0.5	<0.25	140	NA	18	14
Composite #56	<0.5	<0.5	21	<0.5	<0.25	350	NA	25	5.6
Composite #57	0.53	5.8	100	<0.5	<0.25	92	NA	14	20
Composite #58	<0.5	1.8	42	<0.5	<0.25	54	NA	3.8	8
Composite #59	<0.5	1.7	55	<0.5	<0.25	33	NA	4.3	8.7
Composite #60	<0.5	2.3	50	<0.5	<0.25	44	NA	5.5	13
Composite #61	<0.5	1.8	42	<0.5	<0.25	47	NA	4.3	13
Composite #62	<0.5	1.2	27	<0.5	<0.25	21	NA	2.9	3.9
Composite #63	<0.5	1.5	41	<0.5	<0.25	44	NA	4.3	7
Composite #64	<0.5	2.2	51	<0.5	<0.25	35	NA	4.7	14
Composite #65	<0.5	2.4	58	<0.5	<0.25	44	NA	4.3	19
Composite #66	<0.5	1.9	29	<0.5	<0.25	45	NA	4.7	16
Composite #67	<0.5	1.4	34	<0.5	<0.25	32	NA	3.9	21
Composite #68	<0.5	2.3	49	<0.5	<0.25	32	NA	4.8	7.9
Composite #69	<0.5	2.3	47	<0.5	<0.25	32	NA	4.8	17
Composite #70	<0.5	3.4	63	<0.5	<0.25	50	NA	6.9	31
Composite #71	<0.5	1.8	30	<0.5	<0.25	32	NA	3.4	14
Composite #72	<0.5	1.7	30	<0.5	<0.25	31	NA	3.6	8.6
Composite #73	<0.5	1.8	33	<0.5	<0.25	43	NA	4.3	8
Composite #74	<0.5	1.3	36	<0.5	<0.25	35	NA	5.6	21
Composite #75	<0.5	2.1	42	<0.5	<0.25	39	NA	8.6	29
Composite #76	<0.5	2.3	29	<0.5	<0.25	75	NA	6.3	5.3
Composite #77	<0.5	2.3	38	<0.5	<0.25	70	NA	6.3	10

Notes:

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NV = no value
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NA = not analyzed
TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	Total Concentration								
Parameter	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS									
TTLCs	1000	20	3500	2000	100	500	700	2400	5000
10 x STLCs	50	2	3500	200	10	50	70	240	2500
20 x TCLPs	100	4	NV	NV	20	100	NV	NV	NV
WET and TCLP	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES									
Composite #1	4.4	0.089	2.4	35	<0.5	1.5	<0.5	42	37
Composite #2	3.4	<0.05	<0.5	30	<0.5	<0.5	<0.5	35	21
Composite #3	5.1	<0.05	2.0	24	<0.5	0.65	<0.5	26	31
Composite #4	6.7	<0.05	0.72	30	<0.5	<0.5	<0.5	38	42
Composite #5	10	<0.05	0.52	35	<0.5	<0.5	<0.5	44	57
Composite #6	3.8	0.10	<0.5	28	<0.5	<0.5	<0.5	31	21
Composite #7	3.7	<0.05	<0.5	28	<0.5	<0.5	<0.5	29	25
AEW-028	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-029	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-030	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-031	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-032	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-033	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-034	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-035	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-070	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-071	NA	NA	NA	NA	NA	NA	NA	NA	NA
AEW-073	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #8	25	0.058	0.76	39	<0.5	<0.5	<0.5	44	45
Composite #9	2.6	<0.05	<0.5	26	<0.5	<0.5	<0.5	31	17
Composite #10	3.9	0.081	<0.5	20	<0.5	<0.5	<0.5	26	16
Composite #11	6.5	<0.05	0.52	23	<0.5	<0.5	<0.5	26	20
Composite #12	5.9	0.051	<0.5	26	<0.5	<0.5	<0.5	27	23
Composite #13	3.9	<0.05	1.6	31	<0.5	<0.5	<0.5	32	23
Composite #14	6	<0.05	<0.5	24	<0.5	<0.5	<0.5	30	23
Composite #15	4.5	<0.05	<0.5	19	<0.5	<0.5	<0.5	22	17
Composite #16	5	<0.05	1.1	61	<0.5	<0.5	<0.5	46	36
Composite #17	3	<0.05	0.7	260	<0.5	<0.5	<0.5	31	27
Composite #18	3.9	<0.05	0.81	220	<0.5	<0.5	<0.5	49	34
Composite #19	3.3	<0.05	3.8	380	<0.5	<0.5	<0.5	31	31

Notes:

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TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	Total Concentration								
Parameter	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS									
TTLCs	1000	20	3500	2000	100	500	700	2400	5000
10 x STLCs	50	2	3500	200	10	50	70	240	2500
20 x TCLPs	100	4	NV	NV	20	100	NV	NV	NV
WET and TCLP	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES									
Composite #20	4.4	<0.05	0.67	110	<0.5	<0.5	<0.5	40	32
Composite #21	3.9	<0.05	<0.5	26	<0.5	0.51	<0.5	28	21
Composite #22	20	0.1	0.55	32	<0.5	<0.5	<0.5	33	42
Composite #23	2.7	0.21	1.7	260	<0.5	3.4	<0.5	23	24
Composite #24	3.7	0.13	4.5	100	<0.5	2.8	<0.5	36	21
Composite #25	9.4	<0.05	0.55	31	<0.5	<0.5	<0.5	37	38
Composite #26	19	<0.05	0.56	39	<0.5	<0.5	<0.5	32	25
Composite #27	3	0.18	1.5	24	<0.5	4.7	<0.5	30	26
Composite #28	1.8	<0.05	<0.5	370	<0.5	<0.5	<0.5	18	12
Composite #29	10	<0.05	0.75	62	<0.5	<0.5	<0.5	37	23
Composite #30	42	<0.05	1.7	74	<0.5	<0.5	<0.5	30	51
Composite #31	7.9	0.21	1.2	330	<0.5	5.6	<0.5	23	24
Composite #32	2.5	<0.05	0.62	460	<0.5	<0.5	<0.5	26	22
Composite #33	3.3	0.083	0.82	210	<0.5	0.99	<0.5	28	28
Composite #34	3.5	0.15	2.2	35	<0.5	2.8	<0.5	34	26
Composite #35	4.9	0.19	1.1	46	<0.5	<0.5	<0.5	42	39
Composite #36	9.6	0.1	3.6	52	<0.5	<0.5	<0.5	31	43
Composite #37	4	1	1.4	280	<0.5	12	<0.5	30	40
Composite #38	5.8	0.45	0.81	32	<0.5	0.84	<0.5	29	42
Composite #39	2.7	0.075	1.2	51	<0.5	1.3	<0.5	28	20
Composite #40	25	0.29	1.6	110	<0.5	4.3	<0.5	39	34
Composite #41	2.7	0.065	2.9	400	<0.5	0.61	<0.5	26	19
AEW-401	3.4	<0.05	<0.5	37	<0.5	<0.5	<0.5	38	27
Composite #42	1.3	<0.05	0.59	530	<0.5	<0.5	<0.5	14	13
Composite #43	4.1	0.068	0.87	55	<0.5	0.97	<0.5	37	25
Composite #44	1.2	<0.05	<0.5	460	<0.5	<0.5	<0.5	18	14
Composite #45	1.5	<0.05	1.2	720	<0.5	<0.5	<0.5	24	19
Composite #46	0.98	<0.05	<0.5	390	<0.5	<0.5	<0.5	13	11
Composite #47	4.4	<0.05	0.88	250	<0.5	<0.5	<0.5	34	24
Composite #48	5.3	<0.05	1.1	210	<0.5	<0.5	<0.5	45	37

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
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TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	Total Concentration								
Parameter	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
REGULATORY LIMITS									
TTLCs	1000	20	3500	2000	100	500	700	2400	5000
10 x STLCs	50	2	3500	200	10	50	70	240	2500
20 x TCLPs	100	4	NV	NV	20	100	NV	NV	NV
WET and TCLP	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES									
Composite #49	5.3	0.12	0.9	210	<0.5	<0.5	<0.5	40	30
Composite #50	3.3	<0.05	0.98	55	<0.5	<0.5	<0.5	33	23
Composite #51	1.8	<0.05	<0.5	850	<0.5	<0.5	<0.5	18	16
Composite #52	7.9	<0.05	<0.5	540	<0.5	<0.5	<0.5	22	14
Composite #53	49	0.21	0.7	38	<0.5	<0.5	<0.5	33	49
Composite #54	2.6	0.2	<0.5	200	<0.5	3.4	<0.5	26	18
Composite #55	3.7	0.12	2.6	280	<0.5	2.4	<0.5	37	26
Composite #56	4.1	0.16	<0.5	610	<0.5	<0.5	<0.5	14	15
Composite #57	6.2	<0.05	<0.5	60	<0.5	<0.5	<0.5	68	47
Composite #58	3	<0.05	<0.5	24	<0.5	<0.5	<0.5	30	16
Composite #59	7.7	<0.05	0.55	24	<0.5	<0.5	<0.5	27	18
Composite #60	7.2	<0.05	0.7	22	<0.5	<0.5	<0.5	31	57
Composite #61	12	<0.05	<0.5	25	<0.5	<0.5	<0.5	25	17
Composite #62	3.4	<0.05	<0.5	14	<0.5	<0.5	<0.5	16	13
Composite #63	2.8	<0.05	0.53	24	<0.5	<0.5	<0.5	28	19
Composite #64	3	<0.05	<0.5	23	<0.5	<0.5	<0.5	26	23
Composite #65	7.2	<0.05	0.7	24	<0.5	<0.5	<0.5	26	23
Composite #66	26	<0.05	<0.5	31	<0.5	<0.5	<0.5	28	20
Composite #67	28	<0.05	<0.5	23	<0.5	<0.5	<0.5	22	19
Composite #68	6.7	<0.05	<0.5	26	<0.5	<0.5	<0.5	27	25
Composite #69	14	<0.05	0.6	29	<0.5	<0.5	<0.5	27	28
Composite #70	30	<0.05	1.1	44	<0.5	<0.5	<0.5	39	42
Composite #71	15	<0.05	0.55	21	<0.5	<0.5	<0.5	20	22
Composite #72	9	<0.05	<0.5	21	<0.5	<0.5	<0.5	22	18
Composite #73	6	<0.05	<0.5	23	<0.5	<0.5	<0.5	26	18
Composite #74	17	<0.05	<0.5	21	<0.5	<0.5	<0.5	34	23
Composite #75	35	<0.05	<0.5	31	<0.5	<0.5	<0.5	31	25
Composite #76	4.1	<0.05	<0.5	36	<0.5	<0.5	<0.5	61	24
Composite #77	19	<0.05	<0.5	43	<0.5	<0.5	<0.5	45	24

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
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TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	California Waste Extraction Test (WET) STLC			*TCLP*		
Parameter	*Barium*	*Chromium*	*Nickel*	*Barium*	*Chromium*	*Nickel*
Unit	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
REGULATORY LIMITS						
TTLCs	NV	NV	NV	NV	NV	NV
10 x STLCs	NV	NV	NV	NV	NV	NV
20 x TCLPs	NV	NV	NV	NV	NV	NV
WET and TCLP	200	5	20	200	5	20
SAMPLES						
Composite #1	NR	NR	NR	NR	NR	NR
Composite #2	NR	NR	NR	NR	NR	NR
Composite #3	NR	NR	NR	NR	NR	NR
Composite #4	***7.1***	NR	NR	NR	NR	NR
Composite #5	NR	***0.58***	NR	NR	NR	NR
Composite #6	***5.4***	NR	NR	<1.0	NR	NR
Composite #7	NR	NR	NR	NR	NR	NR
AEW-028	***19***	NR	NR	***1.2***	NR	NR
AEW-029	NR	NR	NR	NR	NR	NR
AEW-030	NR	NR	NR	NR	NR	NR
AEW-031	***7.6***	NR	NR	<1.0	NR	NR
AEW-032	NR	NR	NR	NR	NR	NR
AEW-033	NR	NR	NR	NR	NR	NR
AEW-034	NR	NR	NR	NR	NR	NR
AEW-035	NR	NR	NR	NR	NR	NR
AEW-070	NR	NR	NR	NR	NR	NR
AEW-071	NR	NR	NR	NR	NR	NR
AEW-073	NR	NR	NR	NR	NR	NR
Composite #8	NR	***0.95***	NR	NR	NR	NR
Composite #9	NR	NR	NR	NR	NR	NR
Composite #10	NR	NR	NR	NR	NR	NR
Composite #11	NR	NR	NR	NR	NR	NR
Composite #12	NR	NR	NR	NR	NR	NR
Composite #13	NR	***0.64***	NR	NR	NR	NR
Composite #14	NR	NR	NR	NR	NR	NR
Composite #15	NR	NR	NR	NR	NR	NR
Composite #16	NR	***0.8***	NR	NR	NR	NR
Composite #17	NR	***2.3***	***9.7***	NR	<0.05	<0.05
Composite #18	NR	***2***	***8***	NR	<0.05	<0.05
Composite #19	NR	***4.5***	***10***	NR	<0.05	<0.05

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NR = not required

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

STLCs California's Soluble Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	California Waste Extraction Test (WET) STLC			TCLP		
Parameter	Barium	Chromium	Nickel	Barium	Chromium	Nickel
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
REGULATORY LIMITS						
TTLCs	NV	NV	NV	NV	NV	NV
10 x STLCs	NV	NV	NV	NV	NV	NV
20 x TCLPs	NV	NV	NV	NV	NV	NV
WET and TCLP	200	5	20	200	5	20
SAMPLES						
Composite #20	NR	0.43	NR	NR	NR	NR
Composite #21	NR	NR	NR	NR	NR	NR
Composite #22	NR	NR	NR	NR	NR	NR
Composite #23	NR	1.9	6.8	NR	<0.05	<0.05
Composite #24	NR	0.44	NR	NR	NR	NR
Composite #25	NR	0.82	NR	NR	NR	NR
Composite #26	NR	NR	NR	NR	NR	NR
Composite #27	NR	NR	NR	NR	NR	NR
Composite #28	NR	2.7	12	NR	<0.05	NR
Composite #29	NR	0.86	NR	NR	NR	NR
Composite #30	NR	1.4	NR	NR	NR	NR
Composite #31	NR	4.9	20	NR	<0.05	2.1
Composite #32	NR	3.2	16	NR	<0.05	1.2
Composite #33	NR	2.1	12	NR	<0.05	1.2
Composite #34	NR	0.65	NR	NR	NR	NR
Composite #35	NR	NR	NR	NR	NR	NR
Composite #36	NR	NR	NR	NR	NR	NR
Composite #37	NR	3.8	17	NR	<0.05	1.9
Composite #38	NR	NR	NR	NR	NR	NR
Composite #39	NR	0.57	NR	NR	NR	NR
Composite #40	NR	0.68	NR	NR	NR	NR
Composite #41	NR	6.1	11	NR	0.099	2.3
AEW-401	NR	0.17	NR	NR	NR	NR
Composite #42	NR	7	15	NR	0.51	4.3
Composite #43	NR	2	NR	NR	NR	NR
Composite #44	NR	5.1	12	NR	0.12	2
Composite #45	NR	12	46	NR	0.15	6.2
Composite #46	NR	6.5	18	NR	<0.05	2.3
Composite #47	NR	4.9	13	NR	<0.05	0.72
Composite #48	NR	1.4	2.4	NR	0.099	<0.05

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NR = not required
NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations
STLCs California's Soluble Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 6
RESULTS OF TITLE 22 CAM 17 METALS ANALYSES FOR SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	California Waste Extraction Test (WET) STLC			*TCLP*		
Parameter	***Barium***	***Chromium***	***Nickel***	***Barium***	***Chromium***	***Nickel***
Unit	***mg/L***	***mg/L***	***mg/L***	***mg/L***	***mg/L***	***mg/L***
REGULATORY LIMITS						
TTLCs	NV	NV	NV	NV	NV	NV
10 x STLCs	NV	NV	NV	NV	NV	NV
20 x TCLPs	NV	NV	NV	NV	NV	NV
WET and TCLP	200	5	20	200	5	20
SAMPLES						
Composite #49	NR	***1.8***	***2.3***	NR	<0.05	<0.05
Composite #50	NR	***0.57***	NR	NR	NA	NA
Composite #51	NR	***4.9***	***17***	NR	<0.05	***0.28***
Composite #52	NR	***6.2***	***17***	NR	<0.05	***5.1***
Composite #53	NR	NR	NR	NR	NA	NA
Composite #54	NR	***1.5***	***5.8***	NR	<0.05	***0.77***
Composite #55	NR	***1.5***	***6.9***	NR	<0.05	***0.6***
Composite #56	NR	***3.4***	***16***	NR	***0.062***	***2.4***
Composite #57	NR	***0.28***	NR	NR	NR	NR
Composite #58	NR	***1.4***	NR	NR	NR	NR
Composite #59	NR	NR	NR	NR	NR	NR
Composite #60	NR	NR	NR	NR	NR	NR
Composite #61	NR	NR	NR	NR	NR	NR
Composite #62	NR	NR	NR	NR	NR	NR
Composite #63	NR	NR	NR	NR	NR	NR
Composite #64	NR	NR	NR	NR	NR	NR
Composite #65	NR	NR	NR	NR	NR	NR
Composite #66	NR	NR	NR	NR	NR	NR
Composite #67	NR	NR	NR	NR	NR	NR
Composite #68	NR	NR	NR	NR	NR	NR
Composite #69	NR	NR	NR	NR	NR	NR
Composite #70	NR	***0.44***	NR	NR	NR	NR
Composite #71	NR	NR	NR	NR	NR	NR
Composite #72	NR	NR	NR	NR	NR	NR
Composite #73	NR	NR	NR	NR	NR	NR
Composite #74	NR	NR	NR	NR	NR	NR
Composite #75	NR	NR	NR	NR	NR	NR
Composite #76	NR	***0.18***	NR	NR	NR	NR
Composite #77	NR	***0.17***	NR	NR	NR	NR

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NR = not required

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

STLCs California's Soluble Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Ace naphthene*	*Ace naphthylene*	*Anthracene*	*Benzo(a) anthracene*	*Benzo(b) fluor anthene*	*Benzo(k) fluor anthene*	*Benzo (g,h,i) perylene*	*Benzo(a) pyrene*	*Chrysene*	*Dibenzo (a,h) anthracene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Composite #5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #11	***0.0064***	<0.005	<0.005	***0.0058***	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite 312	***0.31***	<0.025	***0.23***	***0.10***	***0.035***	***0.032***	<0.025	***0.025***	***0.12***	<0.025
Composite #13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #15	***0.0058***	<0.005	***0.0065***	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #21	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #22	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Fluor anthene*	*Fluorene*	*Indeno (1,2,3-cd) pyrene*	*1-Methyl naphthalene*	*2-Methyl naphthalene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	NV	NV	1000	NV	NV
SAMPLES								
Composite #1	NA	NA	NA	NA	NA	NA	NA	NA
Composite #2	NA	NA	NA	NA	NA	NA	NA	NA
Composite #3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #4	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Composite #5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Composite #6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #8	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	***0.0063***	<0.005
Composite #11	***0.012***	***0.0069***	<0.005	<0.005	<0.005	<0.005	***0.026***	***0.0083***
Composite 312	***0.48***	***0.29***	<0.025	***0.12***	***0.21***	***0.77***	***0.95***	***0.33***
Composite #13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	***0.0063***	<0.005
Composite #14	<0.005	<0.005	<0.005	<0.005	<0.005	***0.0059***	***0.0081***	<0.005
Composite #15	<0.005	***0.017***	***0.007***	<0.005	<0.005	<0.005	***0.03***	<0.005
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA
Composite #21	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #22	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TTLCs California's Total Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Ace naphthene*	*Ace naphthylene*	*Anthracene*	*Benzo(a) anthracene*	*Benzo(b) fluor anthene*	*Benzo(k) fluor anthene*	*Benzo (g,h,i) perylene*	*Benzo(a) pyrene*	*Chrysene*	*Dibenzo (a,h) anthracene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Fluor anthene*	*Fluorene*	*Indeno (1,2,3-cd) pyrene*	*1-Methyl naphthalene*	*2-Methyl naphthalene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	NV	NV	1000	NV	NV
SAMPLES								
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TTLCs California's Total Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Ace naphthene*	*Ace naphthylene*	*Anthracene*	*Benzo(a) anthracene*	*Benzo(b) fluor anthene*	*Benzo(k) fluor anthene*	*Benzo (g,h,i) perylene*	*Benzo(a) pyrene*	*Chrysene*	*Dibenzo (a,h) anthracene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	***0.0065***	***0.013***	<0.005	***0.0075***	***0.0096***	<0.005	***0.02***	***0.0057***
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #60	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #64	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Fluor anthene*	*Fluorene*	*Indeno (1,2,3-cd) pyrene*	*1-Methyl naphthalene*	*2-Methyl naphthalene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	NV	NV	1000	NV	NV
SAMPLES								
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA
Composite #53	<0.005	<0.005	***0.0057***	<0.005	<0.005	<0.005	<0.005	***0.013***
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #59	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #60	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #61	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #63	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Composite #64	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #68	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TTLCs California's Total Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Ace naphthene*	*Ace naphthylene*	*Anthracene*	*Benzo(a) anthracene*	*Benzo(b) fluor anthene*	*Benzo(k) fluor anthene*	*Benzo (g,h,i) perylene*	*Benzo(a) pyrene*	*Chrysene*	*Dibenzo (a,h) anthracene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NV = no value

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 7
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Fluor anthene*	*Fluorene*	*Indeno (1,2,3-cd) pyrene*	*1-Methyl naphthalene*	*2-Methyl naphthalene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	NV	NV	1000	NV	NV
SAMPLES								
Composite #70	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #71	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #72	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #73	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NV = no value
NA = not analyzed
TTLCs California's Total Threshold Limit Concentrations
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 8
RESULTS OF POLYCHLORINATED BIPHENYLS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Aroclor 1016*	*Aroclor 1221*	*Aroclor 1232*	*Aroclor 1242*	*Aroclor 1248*	*Aroclor 1254*	*Aroclor 1260*	*Total PCBs*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
TTLCs	50	50	50	50	50	50	50	50
SAMPLES								
Composite #1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #7	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #11	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #12	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #13	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #14	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #15	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #16	NA	NA	NA	NA	NA	NA	NA	NA
Composite #17	NA	NA	NA	NA	NA	NA	NA	NA
Composite #18	NA	NA	NA	NA	NA	NA	NA	NA
Composite #19	NA	NA	NA	NA	NA	NA	NA	NA
Composite #20	NA	NA	NA	NA	NA	NA	NA	NA
Composite #21	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #22	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #23	NA	NA	NA	NA	NA	NA	NA	NA
Composite #24	NA	NA	NA	NA	NA	NA	NA	NA
Composite #25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #26	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:

Denotes concentration above detection limit of the respective analytes.

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

TABLE 8
RESULTS OF POLYCHLORINATED BIPHENYLS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Aroclor 1016*	*Aroclor 1221*	*Aroclor 1232*	*Aroclor 1242*	*Aroclor 1248*	*Aroclor 1254*	*Aroclor 1260*	*Total PCBs*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
TTLCs	50	50	50	50	50	50	50	50
SAMPLES								
Compsoite #27	NA	NA	NA	NA	NA	NA	NA	NA
Composite #28	NA	NA	NA	NA	NA	NA	NA	NA
Composite #29	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #30	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #31	NA	NA	NA	NA	NA	NA	NA	NA
Composite #32	NA	NA	NA	NA	NA	NA	NA	NA
Composite #33	NA	NA	NA	NA	NA	NA	NA	NA
Composite #34	NA	NA	NA	NA	NA	NA	NA	NA
Composite #35	NA	NA	NA	NA	NA	NA	NA	NA
Composite #36	NA	NA	NA	NA	NA	NA	NA	NA
Composite #37	NA	NA	NA	NA	NA	NA	NA	NA
Composite #38	NA	NA	NA	NA	NA	NA	NA	NA
Composite #39	NA	NA	NA	NA	NA	NA	NA	NA
Composite #40	NA	NA	NA	NA	NA	NA	NA	NA
Composite #41	NA	NA	NA	NA	NA	NA	NA	NA
Composite #42	NA	NA	NA	NA	NA	NA	NA	NA
Composite #43	NA	NA	NA	NA	NA	NA	NA	NA
Composite #44	NA	NA	NA	NA	NA	NA	NA	NA
Composite #45	NA	NA	NA	NA	NA	NA	NA	NA
Composite #46	NA	NA	NA	NA	NA	NA	NA	NA
Composite #47	NA	NA	NA	NA	NA	NA	NA	NA
Composite #48	NA	NA	NA	NA	NA	NA	NA	NA
Composite #49	NA	NA	NA	NA	NA	NA	NA	NA
Composite #50	NA	NA	NA	NA	NA	NA	NA	NA
Composite #51	NA	NA	NA	NA	NA	NA	NA	NA
Composite #52	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Denotes concentration above detection limit of the respective analytes.

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

Composite #53	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

TABLE 8
RESULTS OF POLYCHLORINATED BIPHENYLS ANALYSES ON SLUDGE AND SOIL DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Aroclor 1016*	*Aroclor 1221*	*Aroclor 1232*	*Aroclor 1242*	*Aroclor 1248*	*Aroclor 1254*	*Aroclor 1260*	*Total PCBs*
Unit	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
REGULATORY LIMITS								
TTLCs	50	50	50	50	50	50	50	50
SAMPLES								
Composite #54	NA	NA	NA	NA	NA	NA	NA	NA
Composite #55	NA	NA	NA	NA	NA	NA	NA	NA
Composite #56	NA	NA	NA	NA	NA	NA	NA	NA
Composite #57	NA	NA	NA	NA	NA	NA	NA	NA
Composite #58	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #59	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Composite #61	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #62	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #64	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #65	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #66	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #67	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #68	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #69	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #70	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #71	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #72	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #73	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #74	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #75	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #76	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Composite #77	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

###	Denotes concentration above detection limit of the respective analytes.

NA = not analyzed

TTLCs California's Total Threshold Limit Concentrations

TABLE 9
RESULTS OF PETROLEUM HYDROCARBONS, BTEX, AND MTBE ANALYSES ON LIQUID DRUMS
DOYLE DRIVE REPLACEMENT PROJECT

	TOTAL CONCENTRATIONS							
Parameter	TPHs as Gasoline	TPHs as Diesel	TPHs as Motor Oil	Benzene	Ethy lbenzene	Toluene	Xylenes (Total)	MTBE
Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	10	NV	NV	NV	NV
SAMPLES								
Composite #1	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #2	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #3	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #4	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #5	<0.05	***0.084***	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #6	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #7	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #8	***0.095***	***0.1***	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #9	<0.05	***1.2***	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #10	<0.05	<0.05	<0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
Composite #11	***3.6***	***48***	<5	<0.005	<0.005	<0.005	<0.005	<0.05
Composite #12	***34***	***10***	<0.25	<0.005	<0.005	<0.005	<0.005	<0.05
MPTSB-R3	<0.05	<0.05	<0.25	<0.0005	<0.0005	***0.00059***	<0.0005	<0.005
AEW-752	<0.05	<0.05	<0.25	<0.005	<0.005	<0.005	<0.005	<0.05

Notes:
NV = no value

###	Denotes concentration above detection limit of the respective analytes.
TCLPs	USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Acetone*	*tert-Amyl methy ether*	*Benzene*	*Bromo benzene*	*Bromo chloro methane*	*Bromo dichloro methane*	*Bromoform*	*Bromo methane*	*2-Butanone (MEK)*	*t-Butyl Alcohol*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	10	NV	NV	NV	NV	NV	4000	NV
SAMPLES										
Composite #1	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #2	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #3	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #4	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #5	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #6	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	***0.00062***	<0.0005	<0.002	<0.002
Composite #7	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #8	***0.21***	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	***0.022***	***0.0063***
Composite #9	***0.025***	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #10	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	***0.023***	***0.051***
MPTSB-R3	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002
AEW-752	***0.072***	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002

Notes:

###

NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*n-Butyl benzene*	*sec-Butyl benzene*	*tert-Butyl benzene*	*Carbon disulfide*	*Carbon tetra chloride*	*Chloro benzene*	*Chloro ethane*	*Chloroform*	*Chloro methane*	*2-Chloro toluene*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	10	2000	NV	120	NV	NV
SAMPLES										
Composite #1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	***0.00054***	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

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NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*4-Chloro toluene*	*Dibromo chloro methane*	*1,2-Dibromo-3-chloro propane*	*1,2-Dibromo ethane*	*Dibromo methane*	*1,2-Dichloro benzene*	*1,3-Dichloro benzene*	*1,4-Dichloro Benzene*	*Dichloro difluoro methane*	*1,1-Dichloro ethane*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	150	NV	10
SAMPLES										
Composite #1	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MPTSB-R3	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

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NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,1-Dichloro ethene*	*cis-1,2-Dichloro ethene*	*trans-1,2-dichloro ethene*	*1,2-Dichloro propane*	*1,3-Dichloro propane*	*2,2-Dichloro propane*	*1,1-Dichloro propene*	*cis-1,3-Dichloro propene*	*trans-1,3-dichloro propene*	*Diiso propyl ether*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	14	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

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NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Ethyl benzene*	*Ethyl tert-butyl ether*	*Freon 113*	*Hexachloro butadiene*	*Hexachloro ethane*	*2-Hexanone*	*Isopropyl benzene*	*4-Isopropyl toluene*	*Methyl-t-butyl ether (MTBE)*	*Methylene chloride*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	10	60	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	***0.0035***	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	***0.0064***	<0.0005	<0.0005	<0.0005	<0.0005
MPTSB-R3	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

###

NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*4-Methyl-2-pentanone*	*Naphthalene*	*n-Propyl Benzene*	*Styrene*	*1,1,1,2,-Tetrachloroethane*	*1,1,2,2-Tetrachloroethane*	*Tetrachloroethene*	*Toluene*	*1,2,3-Trichlorobenzene*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS									
20 x TCLPs	NV	NV	NV	NV	NV	NV	14	NV	NV
SAMPLES									
Composite #1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	***0.00087***	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	***0.00092***	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

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NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 10
RESULTS OF VOLATILE ORGANIC COMPOUNDS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*1,2,4-Trichloro benzene*	*1,1,1-Trichloro ethane*	*1,1,2-Trichloro ethane*	*Trichloro ethene*	*Trichloro fluoro methane*	*1,2,3-Trichloro propane*	*1,2,4-Trimethyl benzene*	*1,3,5-Trimethyl benzene*	*Vinyl chloride*	*Xylenes*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	10	NV	NV	NV	NV	4	NV
SAMPLES										
Composite #1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite #12	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

###

NV = no value
NA = not analyzed
TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 11
RESULTS OF TITLE 22 CAM 17 METALS ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	Total Concentration								
Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium Tot.	Chromium VI	Cobalt	Copper
Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
REGULATORY LIMITS									
TTLCs	500	500	10000	75	100	2500	500	8000	2500
10 x STLCs	150	50	1000	7.5	10	50	50	800	250
20 x TCLPs	NV	100	2000	NV	20	100	100	NV	NV
SAMPLES									
Composite #1	0.00076	0.014	0.17	<0.0005	<0.00025	0.027	NA	0.01	0.017
Composite #2	<0.0005	0.0019	0.027	<0.0005	<0.00025	0.0091	NA	0.00097	0.0024
Composite #3	<0.0005	0.00092	0.035	<0.0005	<0.00025	0.0026	NA	0.00071	0.0014
Composite #4	<0.0005	0.013	0.011	<0.0005	<0.00025	0.0084	NA	0.00052	0.0015
Composite #5	0.0006	0.019	0.36	0.0012	0.00039	0.18	NA	0.027	0.093
Composite #6	<0.0005	0.00069	0.026	<0.0005	<0.00025	0.0017	NA	<0.0005	0.0014
Composite #7	<0.0005	0.0021	0.017	<0.0005	<0.00025	0.0014	NA	0.00057	0.0012
Composite #8	<0.0005	0.0027	0.56	<0.0005	<0.00025	0.0009	NA	0.0014	0.00079
Composite #9	<0.0005	0.0	0.032	<0.0005	<0.00025	0.013	NA	0.0	0.0029
Composite #10	<0.0005	0.0023	0.081	<0.0005	<0.00025	0.0051	NA	0.0011	0.003
Composite #11	0.00052	0.0012	0.064	<0.0005	<0.00025	0.003	NA	<0.0005	0.0055
Composite #12	<0.0005	0.0026	0.077	<0.0005	<0.00025	0.24	NA	0.0031	0.0053
MPTSB-R3	<0.0005	0.0012	0.014	<0.0005	<0.00025	0.021	NA	0.00055	0.00097
AEW-752	<0.0005	<0.005	0.29	<0.0005	<0.00025	0.0024	NA	<0.005	0.00097

Notes:

NV = no value

NA = not analyzed

###	Denotes concentration above detection limit of the respective analytes.

TTLCs California's Total Threshold Limit Concentrations

STLCs California's Soluble Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 11
RESULTS OF TITLE 22 CAM 17 METALS ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

		Total Concentration							
Parameter	***Lead***	***Mercury***	***Molybdenum***	***Nickel***	***Selenium***	***Silver***	***Thallium***	***Vanadium***	***Zinc***
Unit	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***
REGULATORY LIMITS									
TTLCs	1000	20	3500	2000	100	500	700	2400	5000
10 x STLCs	50	2	3500	200	10	50	70	240	2500
20 x TCLPs	100	4	NV	NV	20	100	NV	NV	NV
SAMPLES									
Composite #1	***0.0093***	***0.000034***	***0.012***	***0.036***	<0.0005	<0.00019	<0.0005	***0.034***	***0.03***
Composite #2	***0.001***	<0.000012	***0.0014***	***0.0051***	<0.0005	<0.00019	<0.0005	***0.007***	***0.1***
Composite #3	<0.0005	***0.00002***	***0.003***	***0.003***	<0.0005	<0.00019	<0.0005	***0.0025***	***0.084***
Composite #4	***0.00077***	<0.000012	***0.0041***	***0.0033***	<0.0005	<0.00019	<0.0005	***0.0064***	***0.012***
Composite #5	***0.066***	***0.00021***	***0.0037***	***0.15***	***0.00075***	***0.0066***	<0.0005	***0.17***	***0.24***
Composite #6	<0.0005	***0.000084***	***0.0016***	***0.0026***	<0.0005	<0.00019	<0.0005	***0.003***	***0.013***
Composite #7	***0.00093***	<0.000012	***0.0044***	***0.0027***	<0.0005	<0.00019	<0.0005	***0.0038***	***0.19***
Composite #8	<0.0005	***0.00005***	***0.0017***	***0.0052***	<0.0005	<0.00019	<0.0005	***0.0038***	***0.029***
Composite #9	***0.0012***	<0.000012	***0.0017***	***0.016***	<0.0005	<0.00019	<0.0005	***0.0045***	***0.08***
Composite #10	***0.00076***	***0.000059***	***0.003***	***0.0061***	<0.0005	<0.00019	<0.0005	***0.0039***	***0.064***
Composite #11	***0.0034***	***0.000043***	***0.0037***	***0.0067***	<0.0005	<0.00019	<0.0005	***0.0034***	***0.058***
Composite #12	***0.0032***	***0.00017***	***0.0081***	***0.0077***	***0.0013***	<0.00019	<0.0005	***0.01***	***0.17***
MPTSB-R3	<0.0005	<0.000012	***0.0023***	***0.0036***	<0.0005	<0.00019	<0.0005	***0.011***	***0.94***
AEW-752	<0.0005	<0.000012	***0.00053***	***0.0046***	***0.0013***	<0.00019	<0.0005	***0.0016***	***0.024***

Notes:

NV = no value

NA = not analyzed

Denotes concentration above detection limit of the respective analytes.

TTLCs California's Total Threshold Limit Concentrations

STLCs California's Soluble Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 11
RESULTS OF TITLE 22 CAM 17 METALS ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

	Total Concentration								
Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium Tot.	Chromium VI	Cobalt	Copper
Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
REGULATORY LIMITS									
TTLCs	500	500	10000	75	100	2500	500	8000	2500
10 x STLCs	150	50	1000	7.5	10	50	50	800	250
20 x TCLPs	NV	100	2000	NV	20	100	100	NV	NV
SAMPLES									

Notes:

NV = no value

NA = not analyzed

###	Denotes concentration above detection limit of the respective analytes.
TTLCs	California's Total Threshold Limit Concentrations
STLCs	California's Soluble Threshold Limit Concentrations
TCLPs	USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 11
RESULTS OF TITLE 22 CAM 17 METALS ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

		Total Concentration							
Parameter	***Lead***	***Mercury***	***Molybdenum***	***Nickel***	***Selenium***	***Silver***	***Thallium***	***Vanadium***	***Zinc***
Unit	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***	***mg/l***
REGULATORY LIMITS									
TTLCs	1000	20	3500	2000	100	500	700	2400	5000
10 x STLCs	50	2	3500	200	10	50	70	240	2500
20 x TCLPs	100	4	NV	NV	20	100	NV	NV	NV
SAMPLES									

Notes:

NV = no value

NA = not analyzed

Denotes concentration above detection limit of the respective analytes.

TTLCs California's Total Threshold Limit Concentrations

STLCs California's Soluble Threshold Limit Concentrations

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

TABLE 12
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Ace naphthene*	*Ace naphthylene*	*Anthracene*	*Benzo(a) anthracene*	*Benzo(b) fluor anthene*	*Benzo(k) fluor anthene*	*Benzo (g,h,i) perylene*	*Benzo(a) pyrene*	*Chrysene*	*Dibenzo (a,h) anthracene*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS										
20 x TCLPs	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
SAMPLES										
Composite #1	***0.00084***	<0.0005	***0.0011***	***0.00052***	<0.0005	<0.0005	<0.0005	<0.0005	***0.0005***	<0.0005
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
composite #11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

Denotes concentration above detection limit of the respective analytes.

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

NA = not analyzed
NV = no value

TABLE 12
RESULTS OF POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Fluor anthene*	*Fluorene*	*Indeno (1,2,3-cd) pyrene*	*1-Methyl naphthalene*	*2-Methyl naphthalene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS								
20 x TCLPs	NV	NV	NV	NV	NV	1000	NV	NV
SAMPLES								
Composite #1	***0.0037***	***0.001***	<0.0005	<0.0005	<0.0005	***0.00082***	***0.0056***	***0.0026***
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	NA	NA	NA	NA	NA	NA	NA	NA
composite #11	NA	NA	NA	NA	NA	NA	NA	NA
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes:

Denotes concentration above detection limit of the respective analytes.

TCLPs USEPA's Toxicity Characteristic Leaching Procedures Limits

NA = not analyzed
NV = no value

TABLE 13
RESULTS OF POLYCHLOINATED BIPHENYLS ANALYSES ON LIQUID DRUM SAMPLES
DOYLE DRIVE REPLACEMENT PROJECT

Parameter	*Aroclor 1016*	*Aroclor 1221*	*Aroclor 1232*	*Aroclor 1242*	*Aroclor 1248*	*Aroclor 1254*	*Aroclor 1260*	*Total PCBs*
Unit	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
REGULATORY LIMITS								
TTLCs	50	50	50	50	50	50	50	50
SAMPLES								
Composite #1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #4	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #5	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #6	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #7	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #9	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Composite #10	NA	NA	NA	NA	NA	NA	NA	NA
Composite #11	NA	NA	NA	NA	NA	NA	NA	NA
MPTSB-R3	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AEW-752	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

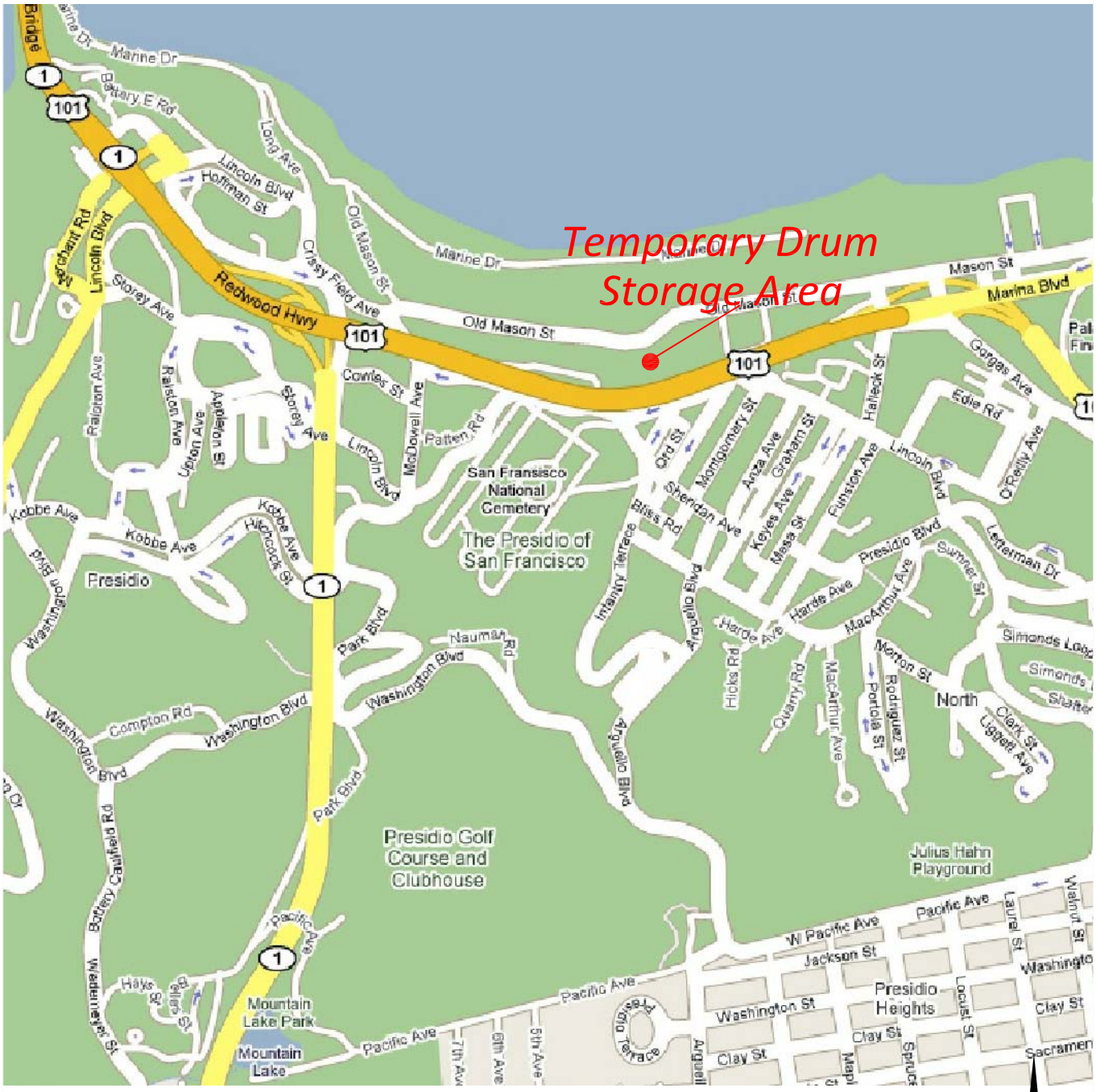
Notes:

Denotes concentration above detection limit of the respective analytes.

TTLCs California's Total Threshold Limit Concentrations

NA = not analzed

FIGURE



N

Not To Scale

AEW Engineering, Inc. 55 New Montgomery Street, Suite 722 San Francisco, CA 94105	**Temporary Drum Storage Location Map** **Doyle Drive Replacement Project** **San Francisco, California**			**Figure 1**
	Designed by: LSF	*Drawn by: LSF*	*Reviewed by: KPL*	*Approved by: KPL*
	Date: 3/20/2008	*Version Number: 0*	*Project No: 2007-014.00*	*File Name: 01_Site_Map*

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	06/25/08
55 New Montgomery St, Ste 507		Date Received:	06/26/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	07/08/08
	Client P.O.:	Date Completed:	07/08/08

WorkOrder: 0806752

July 08, 2008

Dear Randall:

Enclosed within are:

1) The results of the **8** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806752

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☑

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request / Other / Comments

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
Comp. #1	Presidio	4/25/08	1500	4	VOA	X					X				X					X		
Comp. #1			1500	4		X					X					X	X	X	X			
Comp. #2			1530	10	VOA	X					X				X					X		composite VOAs
Comp. #2			1530	4		X					X					X	X	X	X			
Comp. #3			1400 ~~1400~~	8	VOA	X					X				X					X		composite VOAs
Comp. #3			1400 ~~1400~~	4		X					X					X	X	X	X			
Comp. #4			1630	6	VOA	X					X				X					X		composite VOAs
Comp. #4			1630	4		X					X					X	X	X	X			
Comp. #5			1645	4	VOA	X					X				X					X		composite VOAs
Comp. #5			1645	4		X					X					X	X	X	X			
Comp. #6			1720	10	VOA	X					X				X					X		composite VOAs
Comp. #6			1720	4												X	X	X	X			

> okay to RUN.
> canceled per Randall Young.
> okay to RUN.
> canceled per Randall Young.
> canceled
> okay to RUN.

ICE/t: 3.1 °C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓ PRESERVED IN LAB
VOAS | O&G | METALS | OTHER
PRESERVATION

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/25/08		

Remarks: composite VOAs for sample IDs comp. #2 through comp. #7

(#) 44444 (#) 44

0806752

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☑

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals Total	PCBs	PAHs	VOC (8260B)	Other	Comments
comp. #7	Presidio	4/25/08	1745	10	VOA	X					X				X					X		composite VOAs
comp. #7			1745	4		X					X					X	X	X	X			
comp. #8			1800	4	VOA	X					X				X					X		
comp. #8			1800	4		X					X					X	X	X	X			

444

CANCELLED PER RANDALL Y

OKAY TO RUN

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/25/08		
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: composite VOAs for sample IDs comp. #2 through comp. #7

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0806752 **ClientCode: AEW**

☐ WriteOn ☑ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 06/26/2008
Date Printed: 06/27/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806752-001	Comp #1	Water	6/25/2008 15:00	☐	E	B	F	D	A		A	C				
0806752-002	Comp #2	Water	6/25/2008 15:30	☑		A			A	A						
0806752-002	Comp #2	Water	6/25/2008 15:30	☐	D		E	C				B				
0806752-003	Comp #3	Water	6/25/2008 16:00	☐	D	A	E	C	A	A		B				
0806752-004	Comp. #4	Water	6/25/2008 16:30	☑		A			A	A						
0806752-004	Comp. #4	Water	6/25/2008 16:30	☐	D		E	C				B				
0806752-005	Comp. #5	Water	6/25/2008 16:45	☑		A			A	A						
0806752-005	Comp. #5	Water	6/25/2008 16:45	☐	D		E	C				B				
0806752-006	Comp. #6	Water	6/25/2008 17:20	☐	D	A	E	C	A	A		B				
0806752-007	Comp. #7	Water	6/25/2008 17:45	☑		A			A	A						
0806752-007	Comp. #7	Water	6/25/2008 17:45	☐	D		E	C				B				
0806752-008	Comp #8	Water	6/25/2008 18:00	☐	E	B	F	D	A			C				

Test Legend:

1	8082A_PCB_W	2	8260B_W	3	8270D-PNA_W	4	CAM17(T)MS_W	5	G-MBTEX_W
6	PRCOMPOSITING	7	PREDF REPORT	8	TPH(DMO)WSG_W	9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **06/26/08 8:33:03 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0806752** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☑	NA ☐

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments: Preserved Sample upon reciept.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/28/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082A Work Order: 0806752

Lab ID	0806752-001E	0806752-002D	0806752-003D	0806752-004D	Reporting Limit for DF =1	
Client ID	Comp #1	Comp #2	Comp #3	Comp. #4		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND	ND	ND	ND	NA	0.5
Aroclor1221	ND	ND	ND	ND	NA	0.5
Aroclor1232	ND	ND	ND	ND	NA	0.5
Aroclor1242	ND	ND	ND	ND	NA	0.5
Aroclor1248	ND	ND	ND	ND	NA	0.5
Aroclor1254	ND	ND	ND	ND	NA	0.5
Aroclor1260	ND	ND	ND	ND	NA	0.5
PCBs, total, as DCB	ND	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	116	114	114	114		
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/28/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082A Work Order: 0806752

Lab ID	0806752-005D	0806752-006D	0806752-007D	0806752-008E	Reporting Limit for DF =1	
Client ID	Comp. #5	Comp. #6	Comp. #7	Comp #8		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND	ND	ND	ND	NA	0.5
Aroclor1221	ND	ND	ND	ND	NA	0.5
Aroclor1232	ND	ND	ND	ND	NA	0.5
Aroclor1242	ND	ND	ND	ND	NA	0.5
Aroclor1248	ND	ND	ND	ND	NA	0.5
Aroclor1254	ND	ND	ND	ND	NA	0.5
Aroclor1260	ND	ND	ND	ND	NA	0.5
PCBs, total, as DCB	ND	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	116	111	114	122		
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 07/10/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/10/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806752

Lab ID	0806752-001B
Client ID	Comp #1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	97	%SS2:	105
%SS3:	112		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 07/02/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/02/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806752

Lab ID	0806752-003A						
Client ID	Comp #3						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	100	%SS2:	106
%SS3:	109		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
		Date Received: 06/26/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 07/02/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/02/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806752

Lab ID	0806752-006A						
Client ID	Comp. #6						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	0.62	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	106
%SS3:	109		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
		Date Received: 06/26/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 07/02/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/02/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806752

Lab ID	0806752-008B						
Client ID	Comp #8						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	210	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	22	1.0	2.0	t-Butyl alcohol (TBA)	6.3	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	35	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	0.87	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	109		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/30/08-07/03/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0806752

Lab ID	0806752-001F	0806752-002E	0806752-003E	0806752-004E	Reporting Limit for DF =1	
Client ID	Comp #1	Comp #2	Comp #3	Comp. #4		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	0.84	ND	ND	ND	NA	0.5
Acenaphthylene	ND	ND	ND	ND	NA	0.5
Anthracene	1.1	ND	ND	ND	NA	0.5
Benzo(a)anthracene	0.52	ND	ND	ND	NA	0.5
Benzo(a)pyrene	ND	ND	ND	ND	NA	0.5
Benzo(b)fluoranthene	ND	ND	ND	ND	NA	0.5
Benzo(k)fluoranthene	ND	ND	ND	ND	NA	0.5
Benzo(g,h,i)perylene	ND	ND	ND	ND	NA	0.5
Chrysene	0.50	ND	ND	ND	NA	0.5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	NA	0.5
Fluoranthene	3.7	ND	ND	ND	NA	0.5
Fluorene	1.0	ND	ND	ND	NA	0.5
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	NA	0.5
1-Methylnaphthalene	ND	ND	ND	ND	NA	0.5
2-Methylnaphthalene	ND	ND	ND	ND	NA	0.5
Naphthalene	0.82	ND	ND	ND	NA	0.5
Phenanthrene	5.6	ND	ND	ND	NA	0.5
Pyrene	2.6	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1	83	83	83	83		
%SS2	85	86	87	82		
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/30/08-07/03/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0806752

Lab ID	0806752-005E	0806752-006E	0806752-007E	0806752-008F	Reporting Limit for DF =1	
Client ID	Comp. #5	Comp. #6	Comp. #7	Comp #8		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	ND	ND	ND	ND	NA	0.5
Acenaphthylene	ND	ND	ND	ND	NA	0.5
Anthracene	ND	ND	ND	ND	NA	0.5
Benzo(a)anthracene	ND	ND	ND	ND	NA	0.5
Benzo(a)pyrene	ND	ND	ND	ND	NA	0.5
Benzo(b)fluoranthene	ND	ND	ND	ND	NA	0.5
Benzo(k)fluoranthene	ND	ND	ND	ND	NA	0.5
Benzo(g,h,i)perylene	ND	ND	ND	ND	NA	0.5
Chrysene	ND	ND	ND	ND	NA	0.5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	NA	0.5
Fluoranthene	ND	ND	ND	ND	NA	0.5
Fluorene	ND	ND	ND	ND	NA	0.5
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	NA	0.5
1-Methylnaphthalene	ND	ND	ND	ND	NA	0.5
2-Methylnaphthalene	ND	ND	ND	ND	NA	0.5
Naphthalene	ND	ND	ND	ND	NA	0.5
Phenanthrene	ND	ND	ND	ND	NA	0.5
Pyrene	ND	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1	83	82	82	87		
%SS2	81	82	87	87		
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received 06/26/08
	Client Contact: Randall Young	Date Extracted 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/02/08

CAM / CCR 17 Metals*

Lab ID	0806752-001D	0806752-002C	0806752-003C	0806752-004C	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Comp #1	Comp #2	Comp #3	Comp. #4		
Matrix	W	W	W	W	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0806752

Dilution Factor	1	1	1	1	1	1
Antimony	0.76	ND	ND	ND	NA	0.5
Arsenic	14	1.9	0.92	1.3	NA	0.5
Barium	170	27	35	11	NA	5.0
Beryllium	ND	ND	ND	ND	NA	0.5
Cadmium	ND	ND	ND	ND	NA	0.25
Chromium	27	9.1	2.6	8.4	NA	0.5
Cobalt	10	0.97	0.71	0.52	NA	0.5
Copper	17	2.4	1.4	1.5	NA	0.5
Lead	9.3	1.0	ND	0.77	NA	0.5
Mercury	0.034	ND	0.020	ND	NA	0.012
Molybdenum	12	1.4	3.0	4.1	NA	0.5
Nickel	36	5.1	3.0	3.3	NA	0.5
Selenium	ND	ND	ND	ND	NA	0.5
Silver	ND	ND	ND	ND	NA	0.19
Thallium	ND	ND	ND	ND	NA	0.5
Vanadium	34	7.0	2.5	6.4	NA	0.5
Zinc	30	100	84	12	NA	5.0
%SS:	99	99	99	101		

Comments					

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received 06/26/08
	Client Contact: Randall Young	Date Extracted 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/02/08

CAM / CCR 17 Metals*

Lab ID	0806752-005C	0806752-006C	0806752-007C	0806752-008D	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Comp. #5	Comp. #6	Comp. #7	Comp #8		
Matrix	W	W	W	W	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0806752

Dilution Factor	1	1	1	1	1	1
Antimony	0.60	ND	ND	ND	NA	0.5
Arsenic	19	0.69	2.1	2.7	NA	0.5
Barium	360	26	17	560	NA	5.0
Beryllium	1.2	ND	ND	ND	NA	0.5
Cadmium	0.39	ND	ND	ND	NA	0.25
Chromium	180	1.7	1.4	0.90	NA	0.5
Cobalt	27	ND	0.57	1.4	NA	0.5
Copper	93	1.4	1.2	0.79	NA	0.5
Lead	66	ND	0.93	ND	NA	0.5
Mercury	0.21	0.084	ND	0.050	NA	0.012
Molybdenum	3.7	1.6	4.4	1.7	NA	0.5
Nickel	150	2.6	2.7	5.2	NA	0.5
Selenium	0.75	ND	ND	ND	NA	0.5
Silver	6.6	ND	ND	ND	NA	0.19
Thallium	ND	ND	ND	ND	NA	0.5
Vanadium	170	3.0	3.8	2.0	NA	0.5
Zinc	240	13	190	29	NA	5.0
%SS:	104	101	102	102		

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
55 New Montgomery St, Ste 507		Date Received: 06/26/08
	Client Contact: Randall Young	Date Extracted: 06/29/08-07/01/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 06/29/08-07/01/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0806752

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp #1	W	ND	ND	ND	ND	ND	ND	1	100
003A	Comp #3	W	ND	ND	ND	ND	ND	ND	1	94
006A	Comp. #6	W	ND	ND	ND	ND	ND	ND	1	92
008A	Comp #8	W	95,d9	ND	ND	ND	ND	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d9) no recognizable pattern

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/25/08
		Date Received: 06/26/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 06/26/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/01/08-07/03/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0806752

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0806752-001C	Comp #1	W	ND	ND	1	114
0806752-002B	Comp #2	W	ND	ND	1	108
0806752-003B	Comp #3	W	ND	ND	1	108
0806752-004B	Comp. #4	W	ND	ND	1	106
0806752-005B	Comp. #5	W	84,e8,e2	ND	1	106
0806752-006B	Comp. #6	W	ND	ND	1	103
0806752-007B	Comp. #7	W	ND	ND	1	89
0806752-008C	Comp #8	W	100,e2	ND	1	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806752

EPA Method SW8082A **Extraction SW3510C** **BatchID: 36504** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	3.75	N/A	N/A	N/A	123	122	0.625	N/A	N/A	70 - 130	20
%SS:	N/A	2.5	N/A	N/A	N/A	115	113	1.08	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36504 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806752-001E	06/25/08 3:00 PM	06/26/08	06/28/08 6:59 AM	0806752-002D	06/25/08 3:30 PM	06/26/08	06/28/08 7:53 AM
0806752-003D	06/25/08 4:00 PM	06/26/08	06/28/08 8:48 AM	0806752-004D	06/25/08 4:30 PM	06/26/08	06/28/08 9:43 AM
0806752-005D	06/25/08 4:45 PM	06/26/08	06/28/08 10:38 AM	0806752-006D	06/25/08 5:20 PM	06/26/08	06/28/08 11:34 AM
0806752-007D	06/25/08 5:45 PM	06/26/08	06/28/08 12:29 PM	0806752-008E	06/25/08 6:00 PM	06/26/08	06/28/08 1:25 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806752

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36578 Spiked Sample ID: 0806751-008A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	81.9	86.5	5.51	79.4	72.4	9.30	70 - 130	20	70 - 130	20
MTBE	ND	10	82.8	89.9	8.23	97.2	93	4.42	70 - 130	20	70 - 130	20
Benzene	ND	10	85	93.4	9.43	89.9	93.7	4.18	70 - 130	20	70 - 130	20
Toluene	ND	10	79.3	87.8	9.77	89.3	91.7	2.67	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	85.6	93.9	9.21	92.5	92.8	0.392	70 - 130	20	70 - 130	20
Xylenes	ND	30	79.6	87.5	9.37	86.5	86	0.636	70 - 130	20	70 - 130	20
%SS:	96	10	101	102	0.602	103	108	4.59	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36578 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806752-001A	06/25/08 3:00 PM	06/29/08	06/29/08 5:21 PM	0806752-003A	06/25/08 4:00 PM	07/01/08	07/01/08 7:48 PM
0806752-006A	06/25/08 5:20 PM	07/01/08	07/01/08 8:54 PM	0806752-008A	06/25/08 6:00 PM	06/29/08	06/29/08 5:51 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806752

EPA Method SW8015C **Extraction SW3510C/3630C** **BatchID: 36582** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	88.8	89	0.272	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	105	106	0.233	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36582 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806752-001C	06/25/08 3:00 PM	06/26/08	07/01/08 10:37 PM	0806752-002B	06/25/08 3:30 PM	06/26/08	07/03/08 8:21 AM
0806752-003B	06/25/08 4:00 PM	06/26/08	07/03/08 9:32 AM	0806752-004B	06/25/08 4:30 PM	06/26/08	07/01/08 9:15 PM
0806752-005B	06/25/08 4:45 PM	06/26/08	07/01/08 10:24 PM	0806752-006B	06/25/08 5:20 PM	06/26/08	07/03/08 1:08 PM
0806752-007B	06/25/08 5:45 PM	06/26/08	07/03/08 7:14 AM	0806752-008C	06/25/08 6:00 PM	06/26/08	07/03/08 11:56 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806752

EPA Method SW8270C **Extraction SW3510C** **BatchID: 36584** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	64.8	64.2	0.903	N/A	N/A	30 - 130	30
Chrysene	N/A	10	N/A	N/A	N/A	72.2	70.3	2.59	N/A	N/A	30 - 130	30
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	70	68.8	1.70	N/A	N/A	30 - 130	30
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	64	63.7	0.456	N/A	N/A	30 - 130	30
Phenanthrene	N/A	10	N/A	N/A	N/A	65.1	64.2	1.36	N/A	N/A	30 - 130	30
Pyrene	N/A	10	N/A	N/A	N/A	66.4	65.5	1.47	N/A	N/A	30 - 130	30
%SS1:	N/A	5	N/A	N/A	N/A	80	79	0.286	N/A	N/A	30 - 130	30
%SS2:	N/A	5	N/A	N/A	N/A	80	78	3.01	N/A	N/A	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36584 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806752-001F	06/25/08 3:00 PM	06/26/08	06/30/08 9:53 PM	0806752-002E	06/25/08 3:30 PM	06/26/08	06/30/08 11:08 PM
0806752-003E	06/25/08 4:00 PM	06/26/08	07/01/08 12:23 AM	0806752-004E	06/25/08 4:30 PM	06/26/08	07/01/08 1:37 AM
0806752-005E	06/25/08 4:45 PM	06/26/08	07/01/08 2:51 AM	0806752-006E	06/25/08 5:20 PM	06/26/08	07/01/08 4:04 AM
0806752-007E	06/25/08 5:45 PM	06/26/08	07/01/08 5:18 AM	0806752-008F	06/25/08 6:00 PM	06/26/08	07/03/08 8:28 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806752

EPA Method SW8260B **Extraction SW5030B** **BatchID: 36579** **Spiked Sample ID: 0806751-010B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	84.1	93.7	10.8	107	103	4.19	70 - 130	30	70 - 130	30
Benzene	ND	10	88.2	96.7	9.18	106	104	1.81	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	79.2	94.8	18.0	99.5	93.7	6.02	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	89.6	97.4	8.34	103	101	2.46	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	97.2	108	10.6	112	109	1.97	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	84.7	94	10.3	106	104	2.32	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	82.4	89	7.64	101	98.3	2.41	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	85.2	95.2	11.0	109	107	2.56	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	83.8	94.2	11.6	109	105	3.35	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	86	98.4	13.4	111	107	3.76	70 - 130	30	70 - 130	30
Toluene	ND	10	88.9	96.1	7.70	102	100	1.95	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	92.9	101	8.72	108	105	2.99	70 - 130	30	70 - 130	30
%SS1:	94	25	90	91	1.34	96	96	0	70 - 130	30	70 - 130	30
%SS2:	96	25	100	99	0.748	99	98	0.165	70 - 130	30	70 - 130	30
%SS3:	95	25	95	96	0.337	95	94	0.994	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36579 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806752-001B	06/25/08 3:00 PM	06/30/08	06/30/08 7:52 PM	0806752-003A	06/25/08 4:00 PM	07/02/08	07/02/08 8:34 PM
0806752-006A	06/25/08 5:20 PM	07/02/08	07/02/08 9:20 PM	0806752-008B	06/25/08 6:00 PM	07/02/08	07/02/08 9:19 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

AR QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0806752

EPA Method E200.8 **Extraction E200.8** **BatchID: 36583** **Spiked Sample ID: 0806848-001B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	10	96.8	98.6	1.75	95.9	96.4	0.530	70 - 130	20	80 - 120	20
Arsenic	97	10	NR	NR	NR	97.2	95.5	1.75	70 - 130	20	80 - 120	20
Barium	1800	100	119	87	1.65	103	102	1.37	70 - 130	20	80 - 120	20
Beryllium	5.4	10	NR	NR	NR	99.2	98.1	1.15	70 - 130	20	80 - 120	20
Cadmium	1.3	10	93.7	93.1	0.564	96.5	95.2	1.36	70 - 130	20	80 - 120	20
Chromium	230	10	NR	NR	NR	97.6	97.3	0.267	70 - 130	20	80 - 120	20
Cobalt	49	10	NR	NR	NR	107	104	2.65	70 - 130	20	80 - 120	20
Copper	210	10	NR	NR	NR	92.9	92.1	0.897	70 - 130	20	80 - 120	20
Lead	53	10	NR	NR	NR	98.2	96.5	1.71	70 - 130	20	80 - 120	20
Mercury	0.69	0.25	77.8	70.4	2.10	85.3	85.7	0.468	70 - 130	20	80 - 120	20
Molybdenum	1.4	10	86.3	86.9	0.595	90.7	90.2	0.519	70 - 130	20	80 - 120	20
Nickel	400	10	NR	NR	NR	92.5	91.1	1.47	70 - 130	20	80 - 120	20
Selenium	3.5	10	94.8	93	1.48	102	100	1.58	70 - 130	20	80 - 120	20
Silver	0.55	10	91.6	90.3	1.37	113	112	0.801	70 - 130	20	80 - 120	20
Thallium	0.69	10	83.7	83.9	0.243	103	101	2.15	70 - 130	20	80 - 120	20
Vanadium	200	10	NR	NR	NR	97.6	96.2	1.40	70 - 130	20	80 - 120	20
Zinc	240	100	75.5	68.6, F1	2.22	111	110	0.908	70 - 130	20	80 - 120	20
%SS:	95	750	97	99	1.49	94	92	1.91	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

F1 = MS / MSD outside of acceptance criteria. LCS - LCSD validate prep batch.

BATCH 36583 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806752-001D	06/25/08 3:00 PM	06/26/08	07/02/08 7:58 AM	0806752-002C	06/25/08 3:30 PM	06/26/08	07/02/08 8:07 AM
0806752-003C	06/25/08 4:00 PM	06/26/08	07/02/08 8:15 AM	0806752-004C	06/25/08 4:30 PM	06/26/08	07/02/08 8:23 AM
0806752-005C	06/25/08 4:45 PM	06/26/08	07/02/08 8:57 AM	0806752-005C	06/25/08 4:45 PM	06/26/08	07/02/08 9:49 PM
0806752-006C	06/25/08 5:20 PM	06/26/08	07/02/08 9:05 AM	0806752-006C	06/25/08 5:20 PM	06/26/08	07/02/08 9:57 PM
0806752-007C	06/25/08 5:45 PM	06/26/08	07/02/08 9:13 AM	0806752-008D	06/25/08 6:00 PM	06/26/08	07/02/08 9:22 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

JR QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	06/30/08
		Date Received:	06/30/08
	Client Contact: Randall Young	Date Reported:	07/09/08
	Client P.O.:	Date Completed:	07/08/08

WorkOrder: 0806832

July 09, 2008

Dear Randall:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806832

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	☑ Normal
MAI				

Date: 6/30/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDALL YOUNG Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
+ Comp. #2	Presidio	6/30/08	1500	10	VOA	X					X	X			X					X		composite VOAs
+ Comp #4	↓	↓	1515	6	↓	X					X	X			X					X		composite VOAs
✓ Comp. #5	↓	↓	1530	4	↓	X					X				X					X		
(+) Comp. #7	↓	↓	1545	4	↓	X					X				X					X		composite VOAs

Relinquished By:	Date:	Time:	Received By:
Randall Young	6/30/08	17:00	[signature]
[signature]	6/30/08	1825	[signature]

Remarks:
ICE / t° 4-2
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0806832 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 06/30/2008
Date Printed: 06/30/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806832-001	Comp #2	Water	6/30/2008 15:00	☐	A	A	A									
0806832-002	Comp #4	Water	6/30/2008 15:15	☐	A	A	A									
0806832-003	Comp #5	Water	6/30/2008 15:30	☐	A	A										
0806832-004	Comp #7	Water	6/30/2008 15:45	☐	A	A										

Test Legend:

1	8260B_W	2	G-MBTEX_W	3	PRCOMPOSITING	4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **6/30/08 7:14:40 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0806832** Matrix Water

Carrier: Michael Hernandez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 06/30/08
55 New Montgomery St, Ste 507		Date Received: 06/30/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806832

Lab ID	0806832-001A						
Client ID	Comp #2						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	102	%SS2:	105
%SS3:	118		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 06/30/08
55 New Montgomery St, Ste 507		Date Received: 06/30/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806832

Lab ID	0806832-002A						
Client ID	Comp #4						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	115		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 06/30/08
55 New Montgomery St, Ste 507		Date Received: 06/30/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806832

Lab ID	0806832-003A						
Client ID	Comp #5						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	115		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 06/30/08
55 New Montgomery St, Ste 507		Date Received: 06/30/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806832

Lab ID	0806832-004A						
Client ID	Comp #7						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	117		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 06/30/08
55 New Montgomery St, Ste 507		Date Received: 06/30/08
	Client Contact: Randall Young	Date Extracted: 07/01/08-07/02/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/01/08-07/02/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0806832

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp #2	W	ND	ND	ND	ND	ND	ND	1	93
002A	Comp #4	W	ND	ND	ND	ND	ND	ND	1	95
003A	Comp #5	W	ND	ND	ND	ND	ND	ND	1	94
004A	Comp #7	W	ND	ND	ND	ND	ND	ND	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806832

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36565 Spiked Sample ID: 0806751-007A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	100	96.3	3.85	84.7	81.8	3.41	70 - 130	20	70 - 130	20
MTBE	ND	10	116	109	5.72	98.8	97.6	1.23	70 - 130	20	70 - 130	20
Benzene	ND	10	104	107	2.13	94.1	91.7	2.62	70 - 130	20	70 - 130	20
Toluene	ND	10	96.2	95.7	0.475	91.8	89.5	2.61	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	102	105	3.13	92.9	91.1	1.93	70 - 130	20	70 - 130	20
Xylenes	ND	30	103	101	2.38	86	84.9	1.24	70 - 130	20	70 - 130	20
%SS:	93	10	95	94	0.605	105	102	2.92	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36565 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806832-001A	06/30/08 3:00 PM	07/02/08	07/02/08 9:37 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806832

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36624 Spiked Sample ID: 0806829-002A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	60	90	90.6	0.709	93.2	94.1	0.954	70 - 130	20	70 - 130	20
MTBE	ND	10	98.9	104	5.27	114	105	7.99	70 - 130	20	70 - 130	20
Benzene	ND	10	80.7	81.8	1.32	83.3	81.9	1.70	70 - 130	20	70 - 130	20
Toluene	ND	10	89.5	90.7	1.28	92.4	90.8	1.76	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	87.6	88.7	1.21	90.1	89.2	0.958	70 - 130	20	70 - 130	20
Xylenes	ND	30	97.4	99.1	1.72	100	99.2	1.27	70 - 130	20	70 - 130	20
%SS:	101	10	93	93	0	93	92	0.372	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36624 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806832-002A	06/30/08 3:15 PM	07/01/08	07/01/08 7:14 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806832

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36630 Spiked Sample ID: 0806840-003A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	60	87.1	90.3	3.53	89.8	89.3	0.620	70 - 130	20	70 - 130	20
MTBE	ND	10	92.6	94.2	1.68	96.3	93.5	2.89	70 - 130	20	70 - 130	20
Benzene	ND	10	78	84.7	8.21	83.2	79.1	4.99	70 - 130	20	70 - 130	20
Toluene	ND	10	72.7	81.5	11.4	80.2	77.9	2.88	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	85.9	87.3	1.65	86	85	1.20	70 - 130	20	70 - 130	20
Xylenes	ND	30	95.8	97.4	1.66	95.7	94.8	0.949	70 - 130	20	70 - 130	20
%SS:	96	10	93	91	1.81	91	90	0.762	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36630 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806832-003A	06/30/08 3:30 PM	07/01/08	07/01/08 6:40 PM	0806832-004A	06/30/08 3:45 PM	07/01/08	07/01/08 6:05 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806832

EPA Method SW8260B **Extraction SW5030B** **BatchID: 36631** **Spiked Sample ID: 0806833-005D**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND<5.0	10	89	90	1.08	95.8	98.8	3.15	70 - 130	30	70 - 130	30
Benzene	310	10	NR	NR	NR	98.9	100	1.25	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND<20	50	71.6	76.1	6.20	82.7	88.1	6.34	70 - 130	30	70 - 130	30
Chlorobenzene	ND<5.0	10	100	101	0.923	102	101	0.361	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND<5.0	10	108	111	3.01	106	106	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	84	85.2	1.44	97.4	99.7	2.38	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND<5.0	10	95.8	97	1.25	90.5	91.9	1.48	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND<5.0	10	85.7	86.3	0.690	98.7	102	3.10	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND<5.0	10	87.9	88.9	1.16	97.6	100	2.36	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND<5.0	10	89.1	90.9	2.11	98.8	103	4.23	70 - 130	30	70 - 130	30
Toluene	ND<5.0	10	98.6	99	0.432	99.7	100	0.328	70 - 130	30	70 - 130	30
Trichloroethene	160	10	NR	NR	NR	103	104	0.612	70 - 130	30	70 - 130	30
%SS1:	100	25	93	94	1.04	92	92	0	70 - 130	30	70 - 130	30
%SS2:	103	25	99	99	0	99	99	0	70 - 130	30	70 - 130	30
%SS3:	109	25	99	99	0	95	94	0.322	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36631 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806832-001A	06/30/08 3:00 PM	07/08/08	07/08/08 11:24 AM	0806832-002A	06/30/08 3:15 PM	07/08/08	07/08/08 12:08 PM
0806832-003A	06/30/08 3:30 PM	07/08/08	07/08/08 12:51 PM	0806832-004A	06/30/08 3:45 PM	07/08/08	07/08/08 1:35 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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AR QA/QC Officer

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
		Date Received: 08/06/08
	Client Contact: Randall Young	Date Reported: 08/13/08
	Client P.O.:	Date Completed: 08/12/08

WorkOrder: 0808157

August 13, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0808157

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: MAI

Date: 8/5/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Kedall Young Project No.: 2007-014

Sampler: Signature: Kedall Young Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals - Total	PCBs	PAHs	VOCs 8260B)	Other	Comments
Comp. #9	Presidio	8/5/08	1430	10	40ml VOA	X					X				X					X		composite
Comp. #9	Presidio		1430	4	1 plastic 1 amber	X					X					X	X	X	X			
Comp. #10	Presidio		1500	8	40 VOA	X					X				X					X		composite
Comp. #10	Presidio		1500	2	1 plastic 1 amber	X					X					X	X					

Relinquished By:	Date:	Time:	Received By:
Kedall Young	8/5/08	1600	[illegible]
[illegible]	8/6/08	13:15	[illegible]
[illegible]	8/6/08	330	[illegible]

Remarks: please composite VOAs for GAS/BTEX/VOCs

ICE/T: 4.8 ✓

GOOD CONDITION ____ APPROPRIATE ✓

HEAD SPACE ABSENT ____ CONTAINERS ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION ____ VOAS ____ O & G ____ METALS ____ OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0808157 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **08/06/2008**
Date Printed: **08/06/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0808157-001	Comp. #9	Water	8/5/2008 14:30	☐	B	A	C	D	A	A	B					
0808157-002	Comp. #10	Water	8/5/2008 15:00	☐		A		C	A	A	B					

Test Legend:

1	8082A_PCB_W	2	8260B_W	3	8270D-PNA_W	4	CAM17(T)MS_W	5	G-MBTEX_W
6	PRCOMPOSITING	7	TPH(DMO)WSG_W	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **08/06/08 6:16:20 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0808157** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☑	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments: Samples had to be preserved for total metals

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/06/08
	Client P.O.:	Date Analyzed 08/12/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082A Work Order: 0808157

Lab ID	0808157-001B				Reporting Limit for DF =1	
Client ID	Comp. #9					
Matrix	W					
DF	100				S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND<50				NA	0.5
Aroclor1221	ND<50				NA	0.5
Aroclor1232	ND<50				NA	0.5
Aroclor1242	ND<50				NA	0.5
Aroclor1248	ND<50				NA	0.5
Aroclor1254	ND<50				NA	0.5
Aroclor1260	ND<50				NA	0.5
PCBs, total	ND<50				NA	0.5
Surrogate Recoveries (%)						
%SS:	---#					
Comments	a1,b1					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

a1) sample diluted due to matrix interference
b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
55 New Montgomery St, Ste 507		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/11/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0808157

Lab ID	0808157-001A						
Client ID	Comp. #9						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	25	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	102		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
		Date Received: 08/06/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 08/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0808157

Lab ID	0808157-002A						
Client ID	Comp. #10						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	103		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/06/08
	Client P.O.:	Date Analyzed 08/07/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0808157

Lab ID	0808157-001C				Reporting Limit for DF =1	
Client ID	Comp. #9					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	ND				NA	0.5
Acenaphthylene	ND				NA	0.5
Anthracene	ND				NA	0.5
Benzo(a)anthracene	ND				NA	0.5
Benzo(a)pyrene	ND				NA	0.5
Benzo(b)fluoranthene	ND				NA	0.5
Benzo(k)fluoranthene	ND				NA	0.5
Benzo(g,h,i)perylene	ND				NA	0.5
Chrysene	ND				NA	0.5
Dibenzo(a,h)anthracene	ND				NA	0.5
Fluoranthene	ND				NA	0.5
Fluorene	ND				NA	0.5
Indeno (1,2,3-cd) pyrene	ND				NA	0.5
1-Methylnaphthalene	ND				NA	0.5
2-Methylnaphthalene	ND				NA	0.5
Naphthalene	ND				NA	0.5
Phenanthrene	ND				NA	0.5
Pyrene	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1	90					
%SS2	87					
Comments	b1					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
55 New Montgomery St, Ste 507		Date Received 08/06/08
	Client Contact: Randall Young	Date Extracted 08/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/09/08

CAM / CCR 17 Metals*

Lab ID	0808157-001D	0808157-002C			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Comp. #9	Comp. #10				
Matrix	W	W			S	W
Extraction Type	TOTAL	TOTAL			mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0808157

Dilution Factor	1	1			1	1
Antimony	ND	ND			NA	0.5
Arsenic	1.3	2.3			NA	0.5
Barium	32	81			NA	5.0
Beryllium	ND	ND			NA	0.5
Cadmium	ND	ND			NA	0.25
Chromium	13	5.1			NA	0.5
Cobalt	1.6	1.1			NA	0.5
Copper	2.9	3.0			NA	0.5
Lead	1.2	0.76			NA	0.5
Mercury	ND	0.059			NA	0.012
Molybdenum	1.7	3.0			NA	0.5
Nickel	16	6.1			NA	0.5
Selenium	ND	ND			NA	0.5
Silver	ND	ND			NA	0.19
Thallium	ND	ND			NA	0.5
Vanadium	4.5	3.9			NA	0.5
Zinc	80	64			NA	5.0
%SS:	98	99				

Comments	b1				

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
55 New Montgomery St, Ste 507		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0808157

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp. #9	W	ND,b1	ND	ND	ND	ND	ND	1	100
002A	Comp. #10	W	ND	ND	ND	ND	ND	ND	1	99

Reporting Limit for DF =1; ND means not detected at or	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/05/08
55 New Montgomery St, Ste 507		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 08/07/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0808157

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0808157-001B	Comp. #9	W	1200,e8,b1	ND	1	114
0808157-002B	Comp. #10	W	ND	ND	1	115

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e8) kerosene/kerosene range/jet fuel range

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37373 WorkOrder: 0808157

EPA Method SW8082A **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	3.75	N/A	N/A	N/A	129	129	0	N/A	N/A	70 - 130	30
%SS:	N/A	2.5	N/A	N/A	N/A	93	94	0.302	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37373 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808157-001B	08/05/08 2:30 PM	08/06/08	08/12/08 2:21 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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JR QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37408 WorkOrder 0808157

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0808138-003K**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	98.3	106	7.87	96.9	105	8.20	70 - 130	30	70 - 130	30
Benzene	ND	10	99.5	106	6.56	87	98.1	12.0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	105	101	4.12	93.5	96.2	2.84	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	98.5	107	8.60	85.9	98.8	14.0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	100	110	9.31	88.7	98	9.95	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	94.1	101	6.90	94.3	102	7.73	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	100	107	6.46	88.6	102	14.0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	104	111	6.77	95.6	106	10.6	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	103	111	7.31	98.5	108	9.16	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	105	114	8.24	93.8	100	6.64	70 - 130	30	70 - 130	30
Toluene	ND	10	99.7	106	6.53	84.6	97.6	14.3	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	108	116	6.85	89.2	101	12.1	70 - 130	30	70 - 130	30
%SS1:	106	25	92	93	1.03	97	98	0.0768	70 - 130	30	70 - 130	30
%SS2:	107	25	99	99	0	99	100	0.718	70 - 130	30	70 - 130	30
%SS3:	114	25	94	95	1.39	96	95	0.420	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37408 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808157-001A	08/05/08 2:30 PM	08/11/08	08/11/08 11:51 PM	0808157-002A	08/05/08 3:00 PM	08/08/08	08/08/08 10:56 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37430 WorkOrder 0808157

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0808150-002**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	104	99.1	4.37	102	108	5.73	70 - 130	20	70 - 130	20
MTBE	ND	10	91	88.2	3.14	94.8	101	6.38	70 - 130	20	70 - 130	20
Benzene	ND	10	90.7	88.8	2.14	91.6	90.2	1.56	70 - 130	20	70 - 130	20
Toluene	ND	10	88.9	86.2	3.13	90.3	88.7	1.85	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	89.4	85	5.02	89.9	89.2	0.816	70 - 130	20	70 - 130	20
Xylenes	ND	30	84.1	81.4	3.27	81	83.9	3.51	70 - 130	20	70 - 130	20
%SS:	102	10	101	98	3.51	102	100	2.24	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37430 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808157-001A	08/05/08 2:30 PM	08/07/08	08/07/08 1:25 PM	0808157-002A	08/05/08 3:00 PM	08/07/08	08/07/08 1:55 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37350 WorkOrder 0808157

EPA Method SW8270C **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	106	104	1.72	N/A	N/A	30 - 130	30
Chrysene	N/A	10	N/A	N/A	N/A	113	109	3.63	N/A	N/A	30 - 130	30
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	118	119	0.791	N/A	N/A	30 - 130	30
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	111	106	4.13	N/A	N/A	30 - 130	30
Phenanthrene	N/A	10	N/A	N/A	N/A	96.6	94.7	2.00	N/A	N/A	30 - 130	30
Pyrene	N/A	10	N/A	N/A	N/A	120	118	1.53	N/A	N/A	30 - 130	30
%SS1:	N/A	5	N/A	N/A	N/A	91	92	0.0278	N/A	N/A	30 - 130	30
%SS2:	N/A	5	N/A	N/A	N/A	89	90	1.12	N/A	N/A	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37350 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808157-001C	08/05/08 2:30 PM	08/06/08	08/07/08 3:06 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37363 WorkOrder 0808157

EPA Method SW8015C **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	90.4	93	2.88	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	107	109	1.58	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37363 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808157-001B	08/05/08 2:30 PM	08/06/08	08/07/08 7:33 AM	0808157-002B	08/05/08 3:00 PM	08/06/08	08/07/08 8:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 37414 | WorkOrder 0808157

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0808118-002**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	1.6	10	92.2	89.4	2.61	88.9	90.1	1.37	70 - 130	20	80 - 120	20
Arsenic	10	10	104	102	1.26	98	95.3	2.86	70 - 130	20	80 - 120	20
Barium	36	100	93	91.1	1.48	90.2	91.5	1.46	70 - 130	20	80 - 120	20
Beryllium	ND	10	81	79.9	1.39	97.2	100	2.86	70 - 130	20	80 - 120	20
Cadmium	ND	10	83.3	82.1	1.51	92.5	92.8	0.302	70 - 130	20	80 - 120	20
Chromium	3.1	10	97.6	94.2	2.67	104	104	0	70 - 130	20	80 - 120	20
Cobalt	1.8	10	81.8	79.5	2.33	94.3	95.4	1.21	70 - 130	20	80 - 120	20
Copper	14	10	93.7	91.2	1.07	96.8	97.6	0.864	70 - 130	20	80 - 120	20
Lead	ND	10	96	94.1	1.89	90	90.9	0.917	70 - 130	20	80 - 120	20
Mercury	0.012	0.25	101	99.7	1.10	88	89.2	1.35	70 - 130	20	80 - 120	20
Molybdenum	19	10	102	104	0.442	88.2	89.2	1.03	70 - 130	20	80 - 120	20
Nickel	15	10	96.1	92.7	1.42	95.4	94.6	0.821	70 - 130	20	80 - 120	20
Selenium	2.7	10	108	106	2.01	95.2	96.4	1.24	70 - 130	20	80 - 120	20
Silver	ND	10	75.6	74.1	1.91	86.7	87.4	0.758	70 - 130	20	80 - 120	20
Thallium	ND	10	92.9	91.4	1.58	86.2	86.4	0.255	70 - 130	20	80 - 120	20
Vanadium	9.2	10	103	102	0.720	102	103	1.37	70 - 130	20	80 - 120	20
Zinc	38	100	80	78.5	1.28	92.3	92.9	0.574	70 - 130	20	80 - 120	20
%SS:	93	750	94	91	2.83	86	88	2.13	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37414 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808157-001D	08/05/08 2:30 PM	08/06/08	08/09/08 1:27 AM	0808157-002C	08/05/08 3:00 PM	08/06/08	08/09/08 2:00 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	08/17/08
55 New Montgomery St, Ste 507		Date Received:	08/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	08/25/08
	Client P.O.:	Date Completed:	08/21/08

WorkOrder: 0808519

August 25, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0808519

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 4 HOUR ☐ 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 9/17/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaPlante Project No.: 2007-014

Sampler: Signature: J. LaPlante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
+ Composite 11	Doyle Drive	9/17/08	18:30	6	PJC	X					X				X	X	X					

ICE / t° 5.8°C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A PRESERVED IN LAB N/A
VOAS | O&G | METALS | OTHER
PRESERVATION

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	9/17/08	8:00pm	[illegible]

Remarks: Composite from Drums AEW 519 + 527

* Total cam17 per Ken Leung. 8/19/08.

C.O.C Faxed 8/18/08.

p.1
415 566-4814
joe laplante
Aug 18 08 01:48p

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0808519 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 08/18/2008
Date Printed: 08/19/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0808519-001	Composite II	Water	8/17/2008 18:30	☐	C	A	B									

Test Legend:

1	CAM17(T)MS_W	2	G-MBTEX_W	3	TPH(DMO)WSG_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **8/18/2008 8:23:09 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0808519** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☑	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 08/17/08
55 New Montgomery St, Ste 507		Date Received: 08/18/08
	Client Contact: Randall Young	Date Extracted: 08/19/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/20/08

CAM / CCR 17 Metals*

Lab ID	0808519-001C				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite II					
Matrix	W				S	W
Extraction Type	TOTAL				mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0808519

Dilution Factor	1				1	1
Antimony	0.52				NA	0.5
Arsenic	1.2				NA	0.5
Barium	64				NA	5.0
Beryllium	ND				NA	0.5
Cadmium	ND				NA	0.25
Chromium	3.0				NA	0.5
Cobalt	ND				NA	0.5
Copper	5.5				NA	0.5
Lead	3.4				NA	0.5
Mercury	0.043				NA	0.012
Molybdenum	3.7				NA	0.5
Nickel	6.7				NA	0.5
Selenium	ND				NA	0.5
Silver	ND				NA	0.19
Thallium	ND				NA	0.5
Vanadium	3.4				NA	0.5
Zinc	58				NA	5.0
%SS:	103					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 08/17/08
55 New Montgomery St, Ste 507		Date Received: 08/18/08
	Client Contact: Randall Young	Date Extracted: 08/19/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/19/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0808519

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite II	W	3600,d7,b6	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	10	97

Reporting Limit for DF =1; ND means not detected at or	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 08/17/08
		Date Received: 08/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 08/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 08/22/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0808519

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0808519-001B	Composite II	W	48,000,e8,b6	ND<5000	20	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
e8) kerosene/kerosene range/jet fuel range

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37597 WorkOrder: 0808519

EPA Method SW8015C **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	107	106	0.191	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	118	118	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37597 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808519-001B	08/17/08 6:30 PM	08/18/08	08/22/08 4:39 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 37673 | WorkOrder: 0808519

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0808504-003C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	10	96.4	95.4	1.05	92.3	92.6	0.357	70 - 130	20	80 - 120	20
Arsenic	59	10	NR	NR	NR	91.7	96	4.56	70 - 130	20	80 - 120	20
Barium	5600	100	NR	NR	NR	95.8	95.5	0.345	70 - 130	20	80 - 120	20
Beryllium	N/A	10	N/A	N/A	N/A	91.4	90.7	0.703	N/A	N/A	80 - 120	20
Cadmium	2.3	10	83.8	85.2	1.30	97.2	95.9	1.40	70 - 130	20	80 - 120	20
Chromium	1000	10	NR	NR	NR	102	103	1.25	70 - 130	20	80 - 120	20
Cobalt	220	10	NR	NR	NR	92.7	93.1	0.430	70 - 130	20	80 - 120	20
Copper	610	10	NR	NR	NR	93.8	95.1	1.46	70 - 130	20	80 - 120	20
Lead	140	10	NR	NR	NR	92.3	93	0.777	70 - 130	20	80 - 120	20
Mercury	1.8	0.25	NR	NR	NR	93.2	92.7	0.516	70 - 130	20	80 - 120	20
Molybdenum	4.1	10	96.2	96.6	0.291	89.5	89.8	0.357	70 - 130	20	80 - 120	20
Nickel	4500	10	NR	NR	NR	93.1	91.5	1.71	70 - 130	20	80 - 120	20
Selenium	1.6	10	113	108	3.78	98.7	94.4	4.41	70 - 130	20	80 - 120	20
Silver	0.88	10	73.6	75.2	1.92	87.3	85.9	1.59	70 - 130	20	80 - 120	20
Thallium	2.0	10	80.2	82.7	2.46	85.3	86.7	1.63	70 - 130	20	80 - 120	20
Vanadium	360	10	NR	NR	NR	99.8	100	0.270	70 - 130	20	80 - 120	20
Zinc	1100	100	NR	NR	NR	93.4	93	0.429	70 - 130	20	80 - 120	20
%SS:	104	750	105	104	1.39	97	98	1.48	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37673 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808519-001C	08/17/08 6:30 PM	08/19/08	08/20/08 8:27 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37680 WorkOrder: 0808519

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0808518-010A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	101	92.1	8.84	90	96	6.53	70 - 130	20	70 - 130	20
MTBE	ND	10	86.5	92.1	6.35	95.5	102	6.56	70 - 130	20	70 - 130	20
Benzene	ND	10	83.1	87	4.53	86.8	91.1	4.84	70 - 130	20	70 - 130	20
Toluene	ND	10	80.7	83.9	3.94	78.2	83.6	6.70	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	81.1	84.4	3.97	86.4	91.9	6.20	70 - 130	20	70 - 130	20
Xylenes	ND	30	74.5	77.6	4.04	82.2	87.8	6.57	70 - 130	20	70 - 130	20
%SS:	95	10	104	105	1.01	100	99	0.429	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37680 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808519-001A	08/17/08 6:30 PM	08/19/08	08/19/08 6:06 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	10/30/08
55 New Montgomery St, Ste 722		Date Received:	10/31/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	11/04/08
	Client P.O.:	Date Completed:	11/04/08

WorkOrder: 0810870

November 04, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW 0810870

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR X ~~24~~ 72 HOURS ~~Normal~~ Others:

LABORATORY: MAI

Date: 10/30/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: L. Furugama Project No.: 2007-014

Sampler: Signature: Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

RUSH

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals (Total)	PCBs	PAHs	VOCs 8260B)	Other	Comments
Comp #12	Presidio	10/30/08	1500	6	VOA	X						X			X					X		Composite all 6 VOCs
Comp #12	"	"	"	4		X										X	X	X	X			

ICE / t° 7.2
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ✓ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ✓ ✓

Relinquished By:	Date:	Time:	Received By:
	10/31/08	230	
Relinquished By:	Date: 10/31/08	Time: 500	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Need results by Wed Nov 5th

REC'D SEALED & INTACT VIA

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810870 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 3 days

Date Received: **10/31/2008**
Date Printed: **10/31/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0810870-001	Comp#12	Water	10/30/2008 15:00	☐	D	A	E	C	A	B						

Test Legend:

1	8082A_PCB_W	2	8260B_W	3	8270D-PNA_W	4	CAM17(T)MS_W	5	G-MBTEX_W
6	TPH(DMO)WSG_W	7		8		9		10	
11		12							

Prepared by: Elisa Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **10/31/08 6:28:53 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Elisa Venegas

WorkOrder N°: **0810870** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 10/30/08
		Date Received: 10/31/08
	Client Contact: Randy Young	Date Extracted: 10/31/08
	Client P.O.:	Date Analyzed 11/03/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082 Work Order: 0810870

Lab ID	0810870-001D				Reporting Limit for DF =1	
Client ID	Comp#12					
Matrix	W					
DF	100				S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND<50				NA	0.5
Aroclor1221	ND<50				NA	0.5
Aroclor1232	ND<50				NA	0.5
Aroclor1242	ND<50				NA	0.5
Aroclor1248	ND<50				NA	0.5
Aroclor1254	ND<50				NA	0.5
Aroclor1260	ND<50				NA	0.5
PCBs, total	ND<50				NA	0.5
Surrogate Recoveries (%)						
%SS:	103					
Comments	a3					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

a3) sample diluted due to high organic content

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 10/30/08
		Date Received: 10/31/08
55 New Montgomery St, Ste 722	Client Contact: Randy Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/04/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810870

Lab ID	0810870-001A						
Client ID	Comp#12						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	10	10	tert-Amyl methyl ether (TAME)	ND<5.0	10	0.5
Benzene	ND<5.0	10	0.5	Bromobenzene	ND<5.0	10	0.5
Bromochloromethane	ND<5.0	10	0.5	Bromodichloromethane	ND<5.0	10	0.5
Bromoform	ND<5.0	10	0.5	Bromomethane	ND<5.0	10	0.5
2-Butanone (MEK)	23	10	2.0	t-Butyl alcohol (TBA)	51	10	2.0
n-Butyl benzene	ND<5.0	10	0.5	sec-Butyl benzene	ND<5.0	10	0.5
tert-Butyl benzene	ND<5.0	10	0.5	Carbon Disulfide	ND<5.0	10	0.5
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	Chloroform	ND<5.0	10	0.5
Chloromethane	ND<5.0	10	0.5	2-Chlorotoluene	ND<5.0	10	0.5
4-Chlorotoluene	ND<5.0	10	0.5	Dibromochloromethane	ND<5.0	10	0.5
1,2-Dibromo-3-chloropropane	ND<2.0	10	0.2	1,2-Dibromoethane (EDB)	ND<5.0	10	0.5
Dibromomethane	ND<5.0	10	0.5	1,2-Dichlorobenzene	ND<5.0	10	0.5
1,3-Dichlorobenzene	ND<5.0	10	0.5	1,4-Dichlorobenzene	ND<5.0	10	0.5
Dichlorodifluoromethane	ND<5.0	10	0.5	1,1-Dichloroethane	ND<5.0	10	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5	1,1-Dichloroethene	ND<5.0	10	0.5
cis-1,2-Dichloroethene	ND<5.0	10	0.5	trans-1,2-Dichloroethene	ND<5.0	10	0.5
1,2-Dichloropropane	ND<5.0	10	0.5	1,3-Dichloropropane	ND<5.0	10	0.5
2,2-Dichloropropane	ND<5.0	10	0.5	1,1-Dichloropropene	ND<5.0	10	0.5
cis-1,3-Dichloropropene	ND<5.0	10	0.5	trans-1,3-Dichloropropene	ND<5.0	10	0.5
Diisopropyl ether (DIPE)	ND<5.0	10	0.5	Ethylbenzene	ND<5.0	10	0.5
Ethyl tert-butyl ether (ETBE)	ND<5.0	10	0.5	Freon 113	ND<100	10	10
Hexachlorobutadiene	ND<5.0	10	0.5	Hexachloroethane	ND<5.0	10	0.5
2-Hexanone	6.4	10	0.5	Isopropylbenzene	ND<5.0	10	0.5
4-Isopropyl toluene	ND<5.0	10	0.5	Methyl-t-butyl ether (MTBE)	ND<5.0	10	0.5
Methylene chloride	ND<5.0	10	0.5	4-Methyl-2-pentanone (MIBK)	ND<5.0	10	0.5
Naphthalene	ND<5.0	10	0.5	n-Propyl benzene	ND<5.0	10	0.5
Styrene	ND<5.0	10	0.5	1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5	Tetrachloroethene	ND<5.0	10	0.5
Toluene	ND<5.0	10	0.5	1,2,3-Trichlorobenzene	ND<5.0	10	0.5
1,2,4-Trichlorobenzene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	1,2,3-Trichloropropane	ND<5.0	10	0.5
1,2,4-Trimethylbenzene	ND<5.0	10	0.5	1,3,5-Trimethylbenzene	ND<5.0	10	0.5
Vinyl Chloride	ND<5.0	10	0.5	Xylenes	ND<5.0	10	0.5

Surrogate Recoveries (%)

%SS1:	100	%SS2:	88
%SS3:	93		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 10/30/08
55 New Montgomery St, Ste 722		Date Received: 10/31/08
	Client Contact: Randy Young	Date Extracted: 10/31/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/02/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0810870

Lab ID	0810870-001E				Reporting Limit for DF =1	
Client ID	Comp#12					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	ND				NA	0.5
Acenaphthylene	ND				NA	0.5
Anthracene	ND				NA	0.5
Benzo(a)anthracene	ND				NA	0.5
Benzo(a)pyrene	ND				NA	0.5
Benzo(b)fluoranthene	ND				NA	0.5
Benzo(k)fluoranthene	ND				NA	0.5
Benzo(g,h,i)perylene	ND				NA	0.5
Chrysene	ND				NA	0.5
Dibenzo(a,h)anthracene	ND				NA	0.5
Fluoranthene	ND				NA	0.5
Fluorene	ND				NA	0.5
Indeno (1,2,3-cd) pyrene	ND				NA	0.5
1-Methylnaphthalene	ND				NA	0.5
2-Methylnaphthalene	ND				NA	0.5
Naphthalene	ND				NA	0.5
Phenanthrene	ND				NA	0.5
Pyrene	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1	95					
%SS2	80					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 10/30/08
55 New Montgomery St, Ste 722		Date Received: 10/31/08
	Client Contact: Randy Young	Date Extracted: 10/31/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/03/08

CAM / CCR 17 Metals*

Lab ID	0810870-001C				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Comp#12					
Matrix	W				S	W
Extraction Type	TOTAL				mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0810870

Dilution Factor	1				1	1
Antimony	ND				NA	0.5
Arsenic	2.6				NA	0.5
Barium	77				NA	5.0
Beryllium	ND				NA	0.5
Cadmium	ND				NA	0.25
Chromium	240				NA	0.5
Cobalt	3.1				NA	0.5
Copper	5.3				NA	0.5
Lead	3.2				NA	0.5
Mercury	0.17				NA	0.012
Molybdenum	8.1				NA	0.5
Nickel	7.7				NA	0.5
Selenium	1.3				NA	0.5
Silver	ND				NA	0.19
Thallium	ND				NA	0.5
Vanadium	10				NA	0.5
Zinc	170				NA	5.0
%SS:	101					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 10/30/08
55 New Montgomery St, Ste 722		Date Received: 10/31/08
	Client Contact: Randy Young	Date Extracted: 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/03/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0810870

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp#12	W	34,000,d7,b6	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	10	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 10/30/08
		Date Received: 10/31/08
55 New Montgomery St, Ste 722	Client Contact: Randy Young	Date Extracted: 10/31/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/01/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 0810870

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0810870-001B	Comp#12	W	10,000,e11/e10	ND	1	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e11) stoddard solvent/mineral spirit; and/or e10) fuel oil

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39280 WorkOrder: 0810870

EPA Method: SW8082 **Extraction: SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	3.75	N/A	N/A	N/A	94.4	95.1	0.663	N/A	N/A	70 - 130	20
%SS:	N/A	2.5	N/A	N/A	N/A	94	94	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39280 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810870-001D	10/30/08 3:00 PM	10/31/08	11/03/08 6:33 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND conta significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39276 WorkOrder: 0810870

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810817-007C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	109	114	5.15	108	112	3.52	70 - 130	30	70 - 130	30
Benzene	ND	10	114	115	0.435	112	114	1.55	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	101	110	8.07	96.4	105	8.17	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	115	116	0.890	106	108	1.24	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	122	126	3.65	115	118	2.44	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	113	116	2.17	115	118	2.12	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	91.4	88.8	2.85	91.5	92.8	1.40	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	0.84	10	104	106	1.81	101	103	2.35	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	116	120	3.70	118	122	2.92	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	101	106	4.81	102	105	3.28	70 - 130	30	70 - 130	30
Toluene	ND	10	119	119	0	117	118	0.568	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	119	118	0.518	107	107	0	70 - 130	30	70 - 130	30
%SS1:	98	25	99	99	0	98	99	0.978	70 - 130	30	70 - 130	30
%SS2:	85	25	88	89	0.708	86	86	0	70 - 130	30	70 - 130	30
%SS3:	85	2.5	89	91	2.46	94	95	0.464	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39276 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810870-001A	10/30/08 3:00 PM	11/04/08	11/04/08 12:45 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39321 WorkOrder: 0810870

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0810854-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	10	93.9	94.3	0.428	94.3	93.8	0.510	70 - 130	20	80 - 120	20
Arsenic	3.2	10	95.2	95.2	0	96.3	96	0.343	70 - 130	20	80 - 120	20
Barium	30	100	94.6	95.7	0.879	95.3	95.7	0.356	70 - 130	20	80 - 120	20
Beryllium	ND	10	99.7	100	0.430	99.8	101	1.58	70 - 130	20	80 - 120	20
Cadmium	ND	10	93.5	94.5	1.05	96.2	95.8	0.396	70 - 130	20	80 - 120	20
Chromium	ND	10	95	96.5	1.46	94.8	97.1	2.35	70 - 130	20	80 - 120	20
Cobalt	ND	10	90.4	90.8	0.399	95.9	96.4	0.479	70 - 130	20	80 - 120	20
Copper	700	10	NR	NR	NR	97.4	98.3	0.909	70 - 130	20	80 - 120	20
Lead	ND	10	93.1	93.6	0.482	92	91.9	0.106	70 - 130	20	80 - 120	20
Mercury	0.018	0.25	99.4	102	2.08	101	104	2.73	70 - 130	20	80 - 120	20
Molybdenum	6.4	10	91.2	91.9	0.451	94.5	94.6	0.127	70 - 130	20	80 - 120	20
Nickel	1.9	10	91.7	91.2	0.454	96.8	96	0.799	70 - 130	20	80 - 120	20
Selenium	ND	10	96	96	0	98.2	97.3	1.00	70 - 130	20	80 - 120	20
Silver	ND	10	88.5	89.1	0.687	93.3	93.4	0.182	70 - 130	20	80 - 120	20
Thallium	ND	10	88.8	91	2.51	90.3	91	0.794	70 - 130	20	80 - 120	20
Vanadium	3.4	10	95.3	95.8	0.386	96.8	97.8	1.01	70 - 130	20	80 - 120	20
Zinc	15	100	92.2	91.3	0.842	92.7	93	0.301	70 - 130	20	80 - 120	20
%SS:	100	750	97	99	1.71	97	98	0.858	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39321 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810870-001C	10/30/08 3:00 PM	10/31/08	11/03/08 4:07 PM	0810870-001C	10/30/08 3:00 PM	10/31/08	11/03/08 4:15 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39342 WorkOrder: 0810870

EPA Method SW8270C **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	75.8	73.3	3.46	N/A	N/A	30 - 130	30
Chrysene	N/A	10	N/A	N/A	N/A	88.1	87.6	0.649	N/A	N/A	30 - 130	30
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	99	97.9	1.14	N/A	N/A	30 - 130	30
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	88.2	90.9	2.98	N/A	N/A	30 - 130	30
Phenanthrene	N/A	10	N/A	N/A	N/A	91.3	91.8	0.478	N/A	N/A	30 - 130	30
Pyrene	N/A	10	N/A	N/A	N/A	86.7	85.7	1.22	N/A	N/A	30 - 130	30
%SS1:	N/A	5	N/A	N/A	N/A	94	96	1.84	N/A	N/A	30 - 130	30
%SS2:	N/A	5	N/A	N/A	N/A	89	92	3.32	N/A	N/A	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39342 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810870-001E	10/30/08 3:00 PM	10/31/08	11/02/08 1:44 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39340 WorkOrder: 0810870

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **Spiked Sample ID: 0811099-001C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	60	91.5	99.8	8.77	113	106	6.65	70 - 130	20	70 - 130	20
MTBE	ND	10	108	96.3	11.3	102	106	4.38	70 - 130	20	70 - 130	20
Benzene	ND	10	93.5	100	7.06	115	116	1.08	70 - 130	20	70 - 130	20
Toluene	ND	10	103	111	7.45	115	115	0	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	99.7	110	9.38	115	118	2.95	70 - 130	20	70 - 130	20
Xylenes	ND	30	108	109	0.986	111	114	3.07	70 - 130	20	70 - 130	20
%SS:	94	10	95	100	5.10	99	97	1.78	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39340 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810870-001A	10/30/08 3:00 PM	11/03/08	11/03/08 8:54 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND conta significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high ma or analyte content, or inconsistency in sample containers.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39341 WorkOrder: 0810870

EPA Method: SW8015B **Extraction: SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	83.4	85.7	2.81	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	108	111	2.47	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39341 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810870-001B	10/30/08 3:00 PM	10/31/08	11/01/08 3:56 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND conta significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	11/14/08
		Date Received:	11/14/08
	Client Contact: Randall Young	Date Reported:	11/17/08
	Client P.O.:	Date Completed:	11/17/08

WorkOrder: 0811451

November 17, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

081145

RUSH

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: ☐ 24 HOURS ☐ 48 HOUR ☒ 24 HOURS Normal

Others:

LABORATORY: MAI

Date: 11/14/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDY Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-752	Presidio	11/14/08	1000	10		X					X				X	X	X	X	X	X		

ICE/t 24
GOOD CONDITION ___ APPROPRIATE CONTAINERS
HEAD SPACE ABSENT ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___

Relinquished By:	Date:	Time:	Received By:
Randall Young	11/14/08	1315	[illegible]

Remarks:
Drum AEW-752
JY-0157NB-RYPZ

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811451 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 1 day

Date Received: **11/14/2008**
Date Printed: **11/14/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811451-001	AEW-752	Water	11/14/2008 10:00	☐	D	B	E	F	A	C						

Test Legend:

1	8082A_PCB_W	2	8260B_W	3	8270D-PNA_W	4	CAM17(T)MS_W	5	G-MBTEX_W
6	TPH(DMO)WSG_W	7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 24hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.** Date and Time Received: **11/14/08 1:33:27 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0811451** Matrix Water Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/14/08
		Date Received: 11/14/08
	Client Contact: Randall Young	Date Extracted: 11/14/08
	Client P.O.:	Date Analyzed: 11/14/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082 Work Order: 0811451

Lab ID	0811451-001D				Reporting Limit for DF =1	
Client ID	AEW-752					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND				NA	0.5
Aroclor1221	ND				NA	0.5
Aroclor1232	ND				NA	0.5
Aroclor1242	ND				NA	0.5
Aroclor1248	ND				NA	0.5
Aroclor1254	ND				NA	0.5
Aroclor1260	ND				NA	0.5
PCBs, total	ND				NA	0.5
Surrogate Recoveries (%)						
%SS:	89					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/14/08
55 New Montgomery St, Ste 722		Date Received: 11/14/08
	Client Contact: Randall Young	Date Extracted: 11/14/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/14/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811451

Lab ID	0811451-001B						
Client ID	AEW-752						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	72	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	87
%SS3:	80		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/14/08
55 New Montgomery St, Ste 722		Date Received: 11/14/08
	Client Contact: Randall Young	Date Extracted: 11/14/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/14/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0811451

Lab ID	0811451-001E				Reporting Limit for DF =1	
Client ID	AEW-752					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	ND				NA	0.5
Acenaphthylene	ND				NA	0.5
Anthracene	ND				NA	0.5
Benzo(a)anthracene	ND				NA	0.5
Benzo(a)pyrene	ND				NA	0.5
Benzo(b)fluoranthene	ND				NA	0.5
Benzo(k)fluoranthene	ND				NA	0.5
Benzo(g,h,i)perylene	ND				NA	0.5
Chrysene	ND				NA	0.5
Dibenzo(a,h)anthracene	ND				NA	0.5
Fluoranthene	ND				NA	0.5
Fluorene	ND				NA	0.5
Indeno (1,2,3-cd) pyrene	ND				NA	0.5
1-Methylnaphthalene	ND				NA	0.5
2-Methylnaphthalene	ND				NA	0.5
Naphthalene	ND				NA	0.5
Phenanthrene	ND				NA	0.5
Pyrene	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1	31					
%SS2	52					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/14/08
55 New Montgomery St, Ste 722		Date Received 11/14/08
	Client Contact: Randall Young	Date Extracted 11/14/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/17/08

CAM / CCR 17 Metals*

Lab ID	0811451-001F				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	AEW-752					
Matrix	W				S	W
Extraction Type	TOTAL				mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0811451

Dilution Factor	1				1	1
Antimony	ND				NA	0.5
Arsenic	ND				NA	0.5
Barium	290				NA	5.0
Beryllium	ND				NA	0.5
Cadmium	ND				NA	0.25
Chromium	2.4				NA	0.5
Cobalt	ND				NA	0.5
Copper	0.97				NA	0.5
Lead	ND				NA	0.5
Mercury	ND				NA	0.012
Molybdenum	0.53				NA	0.5
Nickel	4.6				NA	0.5
Selenium	ND				NA	0.5
Silver	ND				NA	0.19
Thallium	ND				NA	0.5
Vanadium	1.6				NA	0.5
Zinc	24				NA	5.0
%SS:	107					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/14/08
55 New Montgomery St, Ste 722		Date Received: 11/14/08
	Client Contact: Randall Young	Date Extracted: 11/14/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/14/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0811451

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	AEW-752	W	ND	ND	ND	ND	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/14/08
55 New Montgomery St, Ste 722		Date Received: 11/14/08
	Client Contact: Randall Young	Date Extracted: 11/14/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/15/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 0811451

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811451-001C	AEW-752	W	ND	ND	1	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39664 WorkOrder: 0811451

EPA Method SW8082 **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	3.75	N/A	N/A	N/A	80.8	87	7.41	N/A	N/A	70 - 130	20
%SS:	N/A	2.5	N/A	N/A	N/A	87	89	2.36	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39664 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811451-001D	11/14/08 10:00 AM	11/14/08	11/14/08 5:36 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39663 WorkOrder: 0811451

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0811452-001B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	108	105	2.53	113	113	0	70 - 130	30	70 - 130	30
Benzene	ND	10	114	111	2.43	114	109	4.32	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	100	99.6	0.708	105	102	3.68	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	112	110	2.03	109	103	5.13	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	118	114	3.44	123	118	4.33	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	111	110	1.49	119	118	1.05	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	96.4	93.7	2.78	92.5	90.8	1.79	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	110	108	1.71	111	108	2.80	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	119	117	1.67	125	122	2.71	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	103	101	1.14	105	102	2.83	70 - 130	30	70 - 130	30
Toluene	ND	10	118	115	2.98	129	121	6.03	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	127	122	3.59	110	105	4.80	70 - 130	30	70 - 130	30
%SS1:	100	25	93	94	1.18	91	91	0	70 - 130	30	70 - 130	30
%SS2:	88	25	78	76	1.67	95	94	1.17	70 - 130	30	70 - 130	30
%SS3:	79	2.5	81	84	3.27	88	83	5.59	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39663 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811451-001B	11/14/08 10:00 AM	11/14/08	11/14/08 3:08 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39662 WorkOrder 0811451

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811451-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	88.8	92.2	3.76	108	98.8	9.21	70 - 130	20	70 - 130	20
MTBE	ND	10	107	112	5.31	116	110	5.57	70 - 130	20	70 - 130	20
Benzene	ND	10	91.2	94.5	3.54	89.6	92.1	2.81	70 - 130	20	70 - 130	20
Toluene	ND	10	101	104	3.21	102	103	0.943	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	99.5	103	3.05	99.5	101	1.52	70 - 130	20	70 - 130	20
Xylenes	ND	30	110	113	2.87	111	111	0	70 - 130	20	70 - 130	20
%SS:	97	10	94	94	0	93	94	1.16	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39662 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811451-001A	11/14/08 10:00 AM	11/14/08	11/14/08 7:34 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39665 WorkOrder 0811451

EPA Method SW8270C **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	71	70	1.46	N/A	N/A	30 - 130	30
Chrysene	N/A	10	N/A	N/A	N/A	69.8	67.8	2.94	N/A	N/A	30 - 130	30
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	105	103	2.16	N/A	N/A	30 - 130	30
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	102	100	1.31	N/A	N/A	30 - 130	30
Phenanthrene	N/A	10	N/A	N/A	N/A	76.5	75	1.99	N/A	N/A	30 - 130	30
Pyrene	N/A	10	N/A	N/A	N/A	64.8	61.9	4.59	N/A	N/A	30 - 130	30
%SS1:	N/A	5	N/A	N/A	N/A	31	30	0.684	N/A	N/A	30 - 130	30
%SS2:	N/A	5	N/A	N/A	N/A	52	52	0	N/A	N/A	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39665 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811451-001E	11/14/08 10:00 AM	11/14/08	11/14/08 10:54 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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AR QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39661 WorkOrder: 0811451

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0811451-001F**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	10	100	99	0.994	95.4	93.7	1.78	70 - 130	20	80 - 120	20
Arsenic	ND	10	99.1	97.6	1.48	98.6	97.8	0.866	70 - 130	20	80 - 120	20
Barium	290	100	94.7	94.8	0.0261	98.9	98.2	0.751	70 - 130	20	80 - 120	20
Beryllium	ND	10	98.9	97.8	1.08	100	101	0.298	70 - 130	20	80 - 120	20
Cadmium	ND	10	98.7	98.6	0.0811	99.8	98.1	1.69	70 - 130	20	80 - 120	20
Chromium	2.4	10	96.1	96.1	0	105	104	0.383	70 - 130	20	80 - 120	20
Cobalt	ND	10	88.9	88.6	0.293	96.1	96.9	0.881	70 - 130	20	80 - 120	20
Copper	0.97	10	95.2	93.5	1.63	107	104	2.27	70 - 130	20	80 - 120	20
Lead	ND	10	99.5	99.5	0	101	97.6	3.65	70 - 130	20	80 - 120	20
Mercury	ND	0.25	113	114	0.984	107	106	0.749	70 - 130	20	80 - 120	20
Molybdenum	0.53	10	99.4	99.3	0.0956	97	96.2	0.901	70 - 130	20	80 - 120	20
Nickel	4.6	10	91.2	91.1	0.0729	103	102	0.780	70 - 130	20	80 - 120	20
Selenium	ND	10	97.6	96.8	0.823	98.8	98.4	0.426	70 - 130	20	80 - 120	20
Silver	ND	10	92	92.6	0.585	95.4	93.7	1.83	70 - 130	20	80 - 120	20
Thallium	ND	10	98.6	98.2	0.406	96.4	95	1.46	70 - 130	20	80 - 120	20
Vanadium	1.6	10	100	100	0	102	102	0	70 - 130	20	80 - 120	20
Zinc	24	100	90.7	90.4	0.263	98.3	97.8	0.493	70 - 130	20	80 - 120	20
%SS:	107	750	106	103	2.72	103	100	3.31	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39661 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811451-001F	11/14/08 10:00 AM	11/14/08	11/17/08 1:22 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39603 WorkOrder: 0811451

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	95.1	95	0.0529	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	106	106	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39603 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811451-001C	11/14/08 10:00 AM	11/14/08	11/15/08 12:34 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled:	03/21/08
		Date Received:	03/21/08
	Client Contact: Randall Young	Date Reported:	03/28/08
	Client P.O.:	Date Completed:	03/28/08

WorkOrder: 0803557

March 28, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803557

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	☒ Normal
MAL				

Date: 3/21/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDALL YOUNG Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals *	PCBs	PAHs	VOCs 8260B)	Other	Comments
MPTSB-R3	Presidio	3/21/08	1010	8		X					X				X	X	X	X	X	X		
		RY																				

ICE/T 7.2
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION ___ VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
Randall Young	3/21/08	1800	
Relinquished By:	Date:	Time:	Received By:
	3/21/08	1400	
Relinquished By:	Date:	Time:	Received By:

Remarks: * Please filter metals upon receipt in lab.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803557 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/21/2008
Date Printed: 03/21/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803557-001	MPTSB-R3	Water	3/21/2008 10:10	☐	D	F	E	C	A	C	B					

Test Legend:

1	8082A_PCB_W	2	8260B_W	3	8270D-PNA_W	4	CAM17MS_DISS	5	G-MBTEX_W
6	PRDISSOLVED	7	TPH(DMO)WSG_W	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/21/2008 5:07:34 PM**

Project Name: **2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803557** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/21/08
		Date Received: 03/21/08
	Client Contact: Randall Young	Date Extracted: 03/21/08
	Client P.O.:	Date Analyzed 03/26/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082A Work Order: 0803557

Lab ID	0803557-001D				Reporting Limit for DF =1	
Client ID	MPTSB-R3					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND				NA	0.5
Aroclor1221	ND				NA	0.5
Aroclor1232	ND				NA	0.5
Aroclor1242	ND				NA	0.5
Aroclor1248	ND				NA	0.5
Aroclor1254	ND				NA	0.5
Aroclor1260	ND				NA	0.5
PCBs, total	ND				NA	0.5
Surrogate Recoveries (%)						
%SS:	102					
Comments	i					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/21/08
55 New Montgomery St, Ste 507		Date Received: 03/21/08
	Client Contact: Randall Young	Date Extracted: 03/27/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/27/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803557

Lab ID	0803557-001F
Client ID	MPTSB-R3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Tetrachloride	ND	1.0	0.5
Carbon Disulfide	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	0.54	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.2
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	0.92	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	115	%SS2:	99
%SS3:	105		

Comments: i

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/21/08
		Date Received: 03/21/08
	Client Contact: Randall Young	Date Extracted: 03/21/08
	Client P.O.:	Date Analyzed 03/28/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 0803557

Lab ID	0803557-001E				Reporting Limit for DF =1	
Client ID	MPTSB-R3					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	ND				NA	0.5
Acenaphthylene	ND				NA	0.5
Anthracene	ND				NA	0.5
Benzo(a)anthracene	ND				NA	0.5
Benzo(a)pyrene	ND				NA	0.5
Benzo(b)fluoranthene	ND				NA	0.5
Benzo(k)fluoranthene	ND				NA	0.5
Benzo(g,h,i)perylene	ND				NA	0.5
Chrysene	ND				NA	0.5
Dibenzo(a,h)anthracene	ND				NA	0.5
Fluoranthene	ND				NA	0.5
Fluorene	ND				NA	0.5
Indeno (1,2,3-cd) pyrene	ND				NA	0.5
1-Methylnaphthalene	ND				NA	0.5
2-Methylnaphthalene	ND				NA	0.5
Naphthalene	ND				NA	0.5
Phenanthrene	ND				NA	0.5
Pyrene	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1	71					
%SS2	72					
Comments	i					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits.

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/21/08
55 New Montgomery St, Ste 507		Date Received: 03/21/08
	Client Contact: Randall Young	Date Extracted: 03/21/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/24/08

CAM / CCR 17 Metals*

Lab ID	0803557-001C				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	MPTSB-R3					
Matrix	W				S	W
Extraction Type	DISS.				mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0803557

Dilution Factor	1				1	1
Antimony	ND				NA	0.5
Arsenic	1.2				NA	0.5
Barium	14				NA	5.0
Beryllium	ND				NA	0.5
Cadmium	ND				NA	0.25
Chromium	21				NA	0.5
Cobalt	0.55				NA	0.5
Copper	0.97				NA	0.5
Lead	ND				NA	0.5
Mercury	ND				NA	0.012
Molybdenum	2.3				NA	0.5
Nickel	3.6				NA	0.5
Selenium	ND				NA	0.5
Silver	ND				NA	0.19
Thallium	ND				NA	0.5
Vanadium	11				NA	0.5
Zinc	940				NA	5.0
%SS:	N/A					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/21/08
		Date Received: 03/21/08
	Client Contact: Randall Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/25/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803557

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MPTSB-R3	W	ND,i	ND	ND	0.59	ND	ND	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/21/08
		Date Received: 03/21/08
	Client Contact: Randall Young	Date Extracted: 03/21/08
	Client P.O.:	Date Analyzed 03/24/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0803557

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803557-001B	MPTSB-R3	W	ND,i	ND	1	117

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to matrix interference; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0803557

EPA Method SW8270C **Extraction SW3510C** **BatchID: 34492** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	85.4	86.6	1.33	N/A	N/A	30 - 130	30
Chrysene	N/A	10	N/A	N/A	N/A	88.8	88.3	0.485	N/A	N/A	30 - 130	30
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	110	107	3.20	N/A	N/A	30 - 130	30
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	104	103	0.614	N/A	N/A	30 - 130	30
Phenanthrene	N/A	10	N/A	N/A	N/A	94.5	93.9	0.541	N/A	N/A	30 - 130	30
Pyrene	N/A	10	N/A	N/A	N/A	82.2	82.1	0.152	N/A	N/A	30 - 130	30
%SS1:	N/A	5	N/A	N/A	N/A	78	77	1.05	N/A	N/A	30 - 130	30
%SS2:	N/A	5	N/A	N/A	N/A	83	84	1.01	N/A	N/A	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34492 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803557-001E	03/21/08 10:10 AM	03/21/08	03/28/08 12:33 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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AR QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0803557

EPA Method E200.8 **Extraction E200.8** **BatchID: 34499** **Spiked Sample ID: 0803537-001C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.77	10	96	94.6	1.36	99.5	97.4	2.22	70 - 130	20	80 - 120	20
Arsenic	100	10	NR	NR	NR	101	97.7	3.04	70 - 130	20	80 - 120	20
Barium	1900	100	NR	NR	NR	100	98.2	1.99	70 - 130	20	80 - 120	20
Beryllium	6.1	10	114	114	0	98.8	98.8	0	70 - 130	20	80 - 120	20
Cadmium	28	10	NR	NR	NR	101	98.1	2.50	70 - 130	20	80 - 120	20
Chromium	180	10	NR	NR	NR	105	101	4.36	70 - 130	20	80 - 120	20
Cobalt	42	10	NR	NR	NR	101	101	0	70 - 130	20	80 - 120	20
Copper	260	10	NR	NR	NR	109	103	5.67	70 - 130	20	80 - 120	20
Lead	430	10	NR	NR	NR	104	95.7	8.80	70 - 130	20	80 - 120	20
Mercury	1.1	0.25	NR	NR	NR	100	103	2.41	70 - 130	20	80 - 120	20
Molybdenum	8.6	10	97.9	70.9	15.8	98.1	96.7	1.48	70 - 130	20	80 - 120	20
Nickel	250	10	NR	NR	NR	103	100	2.65	70 - 130	20	80 - 120	20
Selenium	4.5	10	107	87.9	13.7	99.2	93.7	5.74	70 - 130	20	80 - 120	20
Silver	1.1	10	96.8	90.9	5.64	97.8	95.7	2.26	70 - 130	20	80 - 120	20
Thallium	3.6	10	114	93	15.1	95.2	96.2	1.09	70 - 130	20	80 - 120	20
Vanadium	230	10	NR	NR	NR	103	100	2.75	70 - 130	20	80 - 120	20
Zinc	1600	100	NR	NR	NR	107	102	4.36	70 - 130	20	80 - 120	20
%SS:	104	750	105	105	0	102	100	1.67	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34499 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803557-001C	03/21/08 10:10 AM	03/21/08	03/24/08 10:45 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0803557

EPA Method SW8015C **Extraction SW3510C/3630C** **BatchID: 34542** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	104	110	5.73	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	101	108	7.26	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34542 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803557-001B	03/21/08 10:10 AM	03/21/08	03/24/08 3:56 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0803557

EPA Method SW8082A **Extraction SW3510C** **BatchID: 34544** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	3.75	N/A	N/A	N/A	115	116	0.847	N/A	N/A	70 - 130	20
%SS:	N/A	2.5	N/A	N/A	N/A	99	101	1.24	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34544 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803557-001D	03/21/08 10:10 AM	03/21/08	03/26/08 11:47 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0803557

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34503** **Spiked Sample ID: 0803525-001C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	105	107	1.66	116	109	6.02	70 - 130	30	70 - 130	30
Benzene	ND	10	86.6	89.1	2.87	92.2	86.4	6.50	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	102	105	3.15	102	101	1.53	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	90	93.5	3.79	96.4	90.2	6.65	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	100	103	2.94	105	104	1.13	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	129	130	0.765	129	125	3.03	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	96.8	101	4.10	102	96.2	5.68	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	95.6	95.1	0.494	101	97.3	3.26	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	107	106	1.10	115	110	4.38	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	113	113	0	117	113	3.39	70 - 130	30	70 - 130	30
Toluene	ND	10	88.9	89	0.0398	94.2	88.1	6.64	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	81.5	81.1	0.438	84.8	82.8	2.32	70 - 130	30	70 - 130	30
%SS1:	106	10	114	114	0	112	113	0.922	70 - 130	30	70 - 130	30
%SS2:	98	10	101	102	0.947	100	100	0	70 - 130	30	70 - 130	30
%SS3:	101	10	112	114	1.72	110	110	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34503 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803557-001F	03/21/08 10:10 AM	03/27/08	03/27/08 6:33 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0803557

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 34541** **Spiked Sample ID: 0803553-024A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	80	80	0	99.6	95.8	3.95	70 - 130	20	70 - 130	20
MTBE	ND	10	97.1	99.7	2.64	95.8	94.3	1.57	70 - 130	20	70 - 130	20
Benzene	ND	10	100	105	4.24	103	98.2	4.97	70 - 130	20	70 - 130	20
Toluene	ND	10	99.2	103	3.81	101	96.6	4.92	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	99.1	102	3.24	102	97.3	4.48	70 - 130	20	70 - 130	20
Xylenes	ND	30	89.5	93.1	3.95	92.5	90.6	2.10	70 - 130	20	70 - 130	20
%SS:	88	10	110	110	0	108	105	2.61	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34541 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803557-001A	03/21/08 10:10 AM	03/25/08	03/25/08 5:26 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/21/07-12/24/07
55 New Montgomery St, Ste 507		Date Received:	12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/08/08
	Client P.O.:	Date Completed:	01/08/08

WorkOrder: 0712896

January 08, 2008

Dear Randy:

Enclosed within are:

1) The results of the **7** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 0712896

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Date:

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY: MAI

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randy Young / Joe La Plante Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	~~VOCs-8260B~~ RY	CAM 17 Metals	PCBs	PAHs	Other	Comments
AEW-001	Doyle Drive	12/21/07	1250	1	SS		X															Hold
AEW-002	Doyle Drive	↓	1255	1	SS		X															Hold
AEW-037	Doyle Drive	12/24/07	1425	1	SS		X															
AEW-038	Doyle Drive	↓	1430	1	SS		X															
AEW-039	Doyle Drive		1435	1	SS		X															
AEW-040	Doyle Drive		1445	1	SS		X															
AEW-041	Doyle Drive		1455	1	SS		X															composite #1
~~AEW-049~~ RY	~~Doyle Drive~~			1	SS		X															
AEW-050	Doyle Drive		1600	1	SS		X															
AEW-051	Doyle Drive	↓	1605	1	SS		X															
AEW-056	Doyle Drive	12/24/07	1305	1	SS		X															
AEW-057	Doyle Drive	↓	1315	1	SS		X															

Analysis Request

Comments: brings 34-1958-R8, 34-1958-R9

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		MR Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

ICE/T° ✓
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | MET.'LS | OTHER

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOUR	Normal
MAI				

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: R. Young & J. Lesplante Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	~~VOC 8260B~~ RY	CAM 17 Metals	PCBs	PAHs	Other	Comments
AEW-005	Doyle Drive	12/21/07	1325	1	SS		X											X				borings MPTSB-R1 MPTSB-R2
AEW-006	Doyle Drive		1335	1	SS		X											X				composite #2
AEW-007	Doyle Drive		1345	1	SS		X											X				
AEW-009	Doyle Drive		1400	1	SS		X											X				
AEW-019	Doyle Drive	12/24/07	1135	1	SS		X											X				

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:
LABORATORY: MAI — 24 HOURS | 48 HOUR | 24 HOUR | (Normal)

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Laplante / R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy / Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	Other	Comments
AEW-020	Doyle Drive	12/20/07	1145	1	SS		X															composite #3
AEW-021	Doyle Drive		1155	1	SS		X															
~~AEW-022~~ RY	~~Doyle Drive~~			1	SS		X															
AEW-023	Doyle Drive		1200	1	SS		X															
AEW-024	Doyle Drive		1210	1	SS		X															
AEW-036	Doyle Drive		1415	1	SS		X															
AEW-042	Doyle Drive		1505	1	SS		X															
AEW-043	Doyle Drive		1510	1	SS		X															
AEW-044	Doyle Drive		1555	1	SS		X															
AEW-045	Doyle Drive		1525	1	SS		X															
AEW-046	Doyle Drive		1530	1	SS		X															

Other: brings
ESB-R1
ESB-R2
END-R1
END-R2

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/20/07		[illegible]

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:
LABORATORY: 24 HOURS 48 HOUR 24 HOUR Normal

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Laplante / R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B)	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	Other	Comments
AEW-047	Doyle Drive	12/24/07	1545	1	SS		X															ESB-R1
AEW-048	Doyle Drive		1555	1	SS		X															ESB-R2
AEW-052	Doyle Drive		1615	1	SS		X															ENB-R1
AEW-053	Doyle Drive	12/24/07	1245	1	SS		X															ENB-R2
AEW-054	Doyle Drive		1255	1	SS		X															
AEW-055	Doyle Drive		1300	1	SS		X															composite #4
AEW-058	Doyle Drive		1320	1	SS		X															
AEW-059	Doyle Drive	12/24/07	1330	1	SS		X															
AEW-060	Doyle Drive		1335	1	SS		X															
AEW-061	Doyle Drive		1340	1	SS		X															
~~AEW-062~~	~~Doyle Drive~~ RY			1	SS		X															

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:
hold sample for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:
LABORATORY: MAE — 24 HOURS / 48 HOUR / 24 HOUR / Normal

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante / R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B)	CAM 17 Metals	PCBs	~~PAHs~~ PAH AY	Other	Comments
AEW-063	Doyle Drive	12/26/07	1350	1	SS		X															
AEW-064	Doyle Drive		1400	1	SS		X															
AEW-065	Doyle Drive		1425	1	SS		X															
AEW-066	Doyle Drive		1435	1	SS		X															composite #5
AEW-067	Doyle Drive		1440	1	SS		X															
AEW-068	Doyle Drive		1445	1	SS		X															
AEW-069	Doyle Drive		1455	1	SS		X															
AEW-072	Doyle Drive		1510	1	SS		X															
AEW-74	Doyle Drive	12/26/07	1530	1	SS		X															

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/27/07		Mae Vall

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:

LABORATORY: 24 HOURS 48 HOUR 24 HOUR Normal

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante / R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B)	CAM 17 Metals	PCBs	PAHs	PAHs RY	Other	Comments
AEW-003	Doyle Drive	12/21/07	1305	1	SS		X																Borings MPTSB-R3 MPTNB-R1 MPTNB-R2 MPTNB-R3 DOR-A1
AEW-004	Doyle Drive		1315	1	SS		X																
AEW-008	Doyle Drive		1350	1	SS		X																
AEW-014	Doyle Drive		1410	1	SS		X																
AEW-015	Doyle Drive		1420	1	SS		X																composite #6
AEW-016	Doyle Drive		1430	1	SS		X																
AEW-017	Doyle Drive		1440	1	SS		X																
AEW-018	Doyle Drive	12/24/07	1125	1	SS		X																
AEW-025	Doyle Drive		1215	1	SS		X																
AEW-026	Doyle Drive		1245	1	SS		X																
AEW-027	Doyle Drive		1250	1	SS		X																

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOUR	Normal
MAI				

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	Other	Comments
AEW-028	Doyle Drive	12/24/07	1255	1	SS		X															Borings MPT3B-R3 MPTNB-R1 MPTNB-R2 MPTNB-R3 DOR-A1
AEW-029	Doyle Drive		1305	1	SS		X															
AEW-030	Doyle Drive		1315	1	SS		X															
AEW-031	Doyle Drive		1320	1	SS		X															
AEW-032	Doyle Drive		1325	1	SS		X															composite #7
AEW-033	Doyle Drive		1335	1	SS		X															
AEW-034	Doyle Drive		1340	1	SS		X															
AEW-035	Doyle Drive		1350	1	SS		X															
AEW-070	Doyle Drive	12/24/07	1500	1	SS		X															
AEW-071	Doyle Drive		1505	1	SS		X															
AEW-073 RY	Doyle Drive		1520	1	SS		X															

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/27/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0712896 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 12/28/2007
Date Printed: 12/28/2007

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0712896-003	Composite #1	Soil	12/24/07 2:25:00	☐				A	A	A						
0712896-004	Composite #2	Soil	12/21/07	☐				A	A	A						
0712896-005	Composite #3	Soil	12/24/07	☐	A	A	A	A	A	A						
0712896-006	Composite #4	Soil	12/24/07	☐	A	A	A	A	A	A						
0712896-007	Composite #5	Soil	12/24/07	☐	A	A	A	A	A	A						
0712896-008	Composite #6	Soil	12/21/07	☐	A	A	A	A	A	A						
0712896-009	Composite #7	Soil	12/24/07	☐	A	A	A	A	A	A						

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	TPH(DMO)WSG_S	7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **12/28/07 4:31:55 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0712896** Matrix Soil

Carrier: Dropped Off @ Envirotech; Picked Up By: R.P.

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
55 New Montgomery St, Ste 507		Date Received: 12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 12/28/07
	Client P.O.:	Date Analyzed 12/28/07-12/29/07

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0712896

Lab ID	0712896-005A	0712896-006A	0712896-007A	0712896-008A	Reporting Limit for DF =1	
Client ID	Composite #3	Composite #4	Composite #5	Composite #6		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND	ND	ND	0.025	NA
Aroclor1221	ND	ND	ND	ND	0.025	NA
Aroclor1232	ND	ND	ND	ND	0.025	NA
Aroclor1242	ND	ND	ND	ND	0.025	NA
Aroclor1248	ND	ND	ND	ND	0.025	NA
Aroclor1254	ND	ND	ND	ND	0.025	NA
Aroclor1260	ND	ND	ND	ND	0.025	NA
PCBs, total	ND	ND	ND	ND	0.025	NA
Surrogate Recoveries (%)						
%SS:	98	107	106	102		
Comments		o	o			

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 12/28/07
	Client P.O.:	Date Analyzed 12/28/07-12/29/07

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0712896

Lab ID	0712896-009A				Reporting Limit for DF =1	
Client ID	Composite #7					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	94					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

AR Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07
		Date Received: 12/28/07
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/05/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0712896

Lab ID	0712896-005A
Client ID	Composite #3
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.11	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	0.023	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	102	%SS2:	97
%SS3:	110		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07
		Date Received: 12/28/07
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/31/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0712896

Lab ID	0712896-006A
Client ID	Composite #4
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	76	%SS2:	99
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07
		Date Received: 12/28/07
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/31/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0712896

Lab ID	0712896-007A
Client ID	Composite #5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	81	%SS2:	99
%SS3:	105		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07
		Date Received: 12/28/07
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/05/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0712896

Lab ID	0712896-008A
Client ID	Composite #6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.16	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	103	%SS2:	97
%SS3:	106		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07
		Date Received: 12/28/07
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/31/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0712896

Lab ID	0712896-009A
Client ID	Composite #7
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	91	%SS2:	97
%SS3:	103		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
55 New Montgomery St, Ste 507		Date Received: 12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 12/28/07
	Client P.O.:	Date Analyzed 01/05/08-01/06/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0712896

Lab ID	0712896-005A	0712896-006A	0712896-007A	0712896-008A	Reporting Limit for DF =1	
Client ID	Composite #3	Composite #4	Composite #5	Composite #6		
Matrix	S	S	S	S		
DF	1	10	10	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Acenaphthylene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Anthracene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Benzo(a)anthracene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Benzo(a)pyrene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Benzo(b)fluoranthene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Benzo(g,h,i)perylene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Benzo(k)fluoranthene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Chrysene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Dibenzo(a,h)anthracene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Fluoranthene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Fluorene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND<0.050	ND<0.050	ND	0.005	NA
1-Methylnaphthalene	ND	ND<0.050	ND<0.050	ND	0.005	NA
2-Methylnaphthalene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Naphthalene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Phenanthrene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Pyrene	ND	ND<0.050	ND<0.050	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1	79	101	100	80		
%SS2	81	87	83	81		
Comments		j	j			

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 12/28/07
	Client P.O.:	Date Analyzed 01/05/08-01/06/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0712896

Lab ID	0712896-009A				Reporting Limit for DF =1	
Client ID	Composite #7					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	81					
%SS2	80					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
55 New Montgomery St, Ste 507		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/31/07-01/02/08

CAM / CCR 17 Metals*

Lab ID	0712896-003A	0712896-004A	0712896-005A	0712896-006A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #1	Composite #2	Composite #3	Composite #4		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0712896

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	0.5	NA
Arsenic	4.1	1.7	3.0	3.4	0.5	NA
Barium	100	33	62	1600	5.0	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	40	45	37	43	0.5	NA
Cobalt	7.7	6.3	5.0	6.4	0.5	NA
Copper	25	5.7	13	21	0.5	NA
Lead	4.4	3.4	5.1	6.7	0.5	NA
Mercury	0.089	ND	ND	ND	0.05	NA
Molybdenum	2.4	ND	2.0	0.72	0.5	NA
Nickel	35	30	24	30	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	1.5	ND	0.65	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	42	35	26	38	0.5	NA
Zinc	37	21	31	42	5.0	NA
%SS:	109	119	117	127		

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 12/28/07
San Francisco, CA 94105	Client P.O.:	Date Analyzed 12/31/07-01/02/08

CAM / CCR 17 Metals*

Lab ID	0712896-007A	0712896-008A	0712896-009A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #5	Composite #6	Composite #7			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0712896

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	3.3	2.0	1.9		0.5	NA
Barium	770	2400	12,000		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	50	43	41		0.5	NA
Cobalt	7.9	5.3	4.9		0.5	NA
Copper	22	6.1	6.5		0.5	NA
Lead	10	3.8	3.7		0.5	NA
Mercury	ND	0.10	ND		0.05	NA
Molybdenum	0.52	ND	ND		0.5	NA
Nickel	35	28	28		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	ND	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	44	31	29		0.5	NA
Zinc	57	21	25		5.0	NA
%SS:	118	124	128			

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
55 New Montgomery St, Ste 507		Date Received: 12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 12/28/07
	Client P.O.:	Date Analyzed 12/29/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0712896

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
003A	Composite #1	S	36,g	ND	ND	ND	ND	0.011	1	78
004A	Composite #2	S	69,g	ND	ND	ND	ND	ND	1	79
005A	Composite #3	S	5.4,g	ND	ND	ND	ND	ND	1	78
006A	Composite #4	S	3.2,g	ND	ND	ND	ND	ND	1	81
007A	Composite #5	S	12,g	ND	ND	ND	ND	ND	1	77
008A	Composite #6	S	56,g	ND	ND	ND	ND	ND	1	74
009A	Composite #7	S	21,g	ND	ND	ND	ND	ND	1	81

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 12/28/07
	Client P.O.:	Date Analyzed 01/01/08-01/03/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0712896

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0712896-003A	Composite #1	S	320,k,g	12	1	100
0712896-004A	Composite #2	S	510,k,g	8.9	1	102
0712896-005A	Composite #3	S	140,k,g	8.0	1	111
0712896-006A	Composite #4	S	200,g,k	820	20	108
0712896-007A	Composite #5	S	120,g,k	500	50	101
0712896-008A	Composite #6	S	480,k	ND<50	10	100
0712896-009A	Composite #7	S	190,k	ND<25	5	81

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32830** **Spiked Sample ID: 0712838-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	109	108	0.797	103	99.8	2.90	70 - 130	30	70 - 130	30
Benzene	ND	0.050	116	115	1.34	113	110	2.54	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	87.4	88.3	0.982	91.7	84.3	8.42	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	103	102	0.937	103	102	1.50	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	96.4	95.4	1.04	97.4	95.6	1.94	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	112	117	3.78	103	99.9	3.07	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	128	129	0.642	128	129	0.454	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	123	123	0	117	113	3.03	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	112	111	0.693	104	101	2.87	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	111	108	2.21	104	101	2.51	70 - 130	30	70 - 130	30
Toluene	ND	0.050	97.4	96.3	1.12	96.3	95	1.39	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	92.7	92.7	0	90.5	88.6	2.15	70 - 130	30	70 - 130	30
%SS1:	96	0.050	106	106	0	101	99	1.93	70 - 130	30	70 - 130	30
%SS2:	101	0.050	94	94	0	94	94	0	70 - 130	30	70 - 130	30
%SS3:	81	0.050	98	98	0	103	101	1.84	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32830 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-005A	12/24/07	12/28/07	01/05/08 1:19 PM	0712896-006A	12/24/07	12/28/07	12/31/07 4:48 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32854** **Spiked Sample ID: 0712854-020A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	101	118	15.6	106	106	0	70 - 130	20	70 - 130	20
%SS:	103	0.050	105	105	0	95	94	0.697	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32854 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-005A	12/24/07	12/28/07	12/28/07 9:22 PM	0712896-006A	12/24/07	12/28/07	12/28/07 10:17 PM
0712896-007A	12/24/07	12/28/07	12/28/07 11:12 PM	0712896-008A	12/21/07	12/28/07	12/29/07 12:08 AM
0712896-009A	12/24/07	12/28/07	12/29/07 1:03 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 32862** **Spiked Sample ID: 0712866-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	980	20	NR	NR	NR	111	109	2.17	70 - 130	30	70 - 130	30
%SS:	113	50	117	115	1.23	118	117	0.486	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32862 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-003A	12/24/07 2:25 PM	12/28/07	01/01/08 10:25 AM	0712896-004A	12/21/07	12/28/07	01/01/08 11:37 AM
0712896-005A	12/24/07	12/28/07	01/01/08 12:48 PM	0712896-006A	12/24/07	12/28/07	01/03/08 6:38 AM
0712896-007A	12/24/07	12/28/07	01/03/08 5:28 PM	0712896-008A	12/21/07	12/28/07	01/03/08 6:42 PM
0712896-009A	12/24/07	12/28/07	01/03/08 9:43 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32874 Spiked Sample ID: 0712872-015A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	104	101	2.80	107	100	6.15	70 - 130	30	70 - 130	30
MTBE	ND	0.10	89.1	86.1	3.43	104	98.9	5.26	70 - 130	30	70 - 130	30
Benzene	ND	0.10	81.4	76.2	6.63	92.8	92.5	0.339	70 - 130	30	70 - 130	30
Toluene	ND	0.10	76.2	73.2	4.00	86.4	85.4	1.21	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	83.8	80.1	4.51	92.7	92.2	0.635	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	80	76.7	4.26	87	87.3	0.382	70 - 130	30	70 - 130	30
%SS:	92	0.10	75	78	4.27	85	84	0.900	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32874 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-003A	12/24/07 2:25 PM	12/28/07	12/29/07 7:12 AM	0712896-004A	12/21/07	12/28/07	12/29/07 9:46 PM
0712896-005A	12/24/07	12/28/07	12/29/07 10:20 PM	0712896-006A	12/24/07	12/28/07	12/29/07 4:46 PM
0712896-007A	12/24/07	12/28/07	12/29/07 9:26 AM	0712896-008A	12/21/07	12/28/07	12/29/07 8:52 AM
0712896-009A	12/24/07	12/28/07	12/29/07 7:45 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-007A	12/24/07	12/28/07	12/31/07 4:03 PM	0712896-008A	12/21/07	12/28/07	01/05/08 2:06 PM
0712896-009A	12/24/07	12/28/07	12/31/07 6:21 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW8270C **Extraction SW3550C** **BatchID: 32898** **Spiked Sample ID: 0712782-011A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	77	76	1.33	89.1	90.4	1.48	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	89.4	89.3	0.0599	81.1	85.3	4.94	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	96.9	97.3	0.499	92.4	92.4	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	91.3	91.8	0.542	88.8	88.7	0.0742	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	90.9	90.6	0.398	80.1	80.9	0.997	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	82.4	82.3	0.131	80.4	81.8	1.74	30 - 130	30	30 - 130	30
%SS1:	78	0.050	78	79	0.338	90	91	0.0933	30 - 130	30	30 - 130	30
%SS2:	79	0.050	80	80	0	100	100	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32898 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-005A	12/24/07	12/28/07	01/05/08 3:36 PM	0712896-006A	12/24/07	12/28/07	01/06/08 12:49 AM
0712896-007A	12/24/07	12/28/07	01/06/08 2:08 AM	0712896-008A	12/21/07	12/28/07	01/05/08 4:55 PM
0712896-009A	12/24/07	12/28/07	01/05/08 2:18 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method 6020A **Extraction SW3050B** **BatchID: 32852** **Spiked Sample ID 0712854-021A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.57	50	114	119	4.01	10	96.8	97.6	0.792	70 - 130	20	80 - 120	20
Arsenic	2.5	50	109	125	13.1	10	99.2	98.5	0.789	70 - 130	20	80 - 120	20
Barium	78	500	112	123	7.88	100	97.9	97.2	0.677	70 - 130	20	80 - 120	20
Beryllium	ND	50	110	115	4.36	10	104	105	1.15	70 - 130	20	80 - 120	20
Cadmium	0.65	50	110	119	8.15	10	100	99.2	1.34	70 - 130	20	80 - 120	20
Chromium	23	50	101	119	11.4	10	98.6	99.1	0.476	70 - 130	20	80 - 120	20
Cobalt	5.2	50	106	114	6.45	10	99.2	99.1	0.141	70 - 130	20	80 - 120	20
Copper	12	50	106	121	11.2	10	101	101	0	70 - 130	20	80 - 120	20
Lead	4.0	50	108	117	7.54	10	96.3	97.2	0.889	70 - 130	20	80 - 120	20
Mercury	ND	1.25	96.2	104	7.41	0.25	108	106	1.80	70 - 130	20	80 - 120	20
Molybdenum	0.54	50	105	117	10.3	10	113	116	2.45	70 - 130	20	80 - 120	20
Nickel	42	50	105	126	10.7	10	101	101	0	70 - 130	20	80 - 120	20
Selenium	ND	50	101	110	8.24	10	88.2	90.9	2.99	70 - 130	20	80 - 120	20
Silver	ND	50	110	119	7.44	10	99.6	99.2	0.402	70 - 130	20	80 - 120	20
Thallium	ND	50	108	117	7.66	10	97	98.2	1.18	70 - 130	20	80 - 120	20
Vanadium	21	50	103	120	11.1	10	99.1	98.9	0.152	70 - 130	20	80 - 120	20
Zinc	33	500	112	122	7.75	100	104	104	0	70 - 130	20	80 - 120	20
%SS:	104	250	105	117	10.7	250	95	95	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32852 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-003A	12/24/07 2:25 PM	12/28/07	01/02/08 2:59 PM	0712896-004A	12/21/07	12/28/07	12/31/07 11:24 PM
0712896-005A	12/24/07	12/28/07	12/31/07 11:31 PM	0712896-006A	12/24/07	12/28/07	12/31/07 11:38 PM
0712896-006A	12/24/07	12/28/07	01/02/08 3:06 PM	0712896-007A	12/24/07	12/28/07	12/31/07 11:45 PM
0712896-008A	12/21/07	12/28/07	01/01/08 12:17 AM	0712896-008A	12/21/07	12/28/07	01/02/08 5:29 PM
0712896-009A	12/24/07	12/28/07	01/01/08 12:24 AM	0712896-009A	12/24/07	12/28/07	01/02/08 5:37 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/24/07-12/26/07
55 New Montgomery St, Ste 507		Date Received:	12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/15/08
	Client P.O.:	Date Completed:	01/15/08

WorkOrder: 0712896

January 15, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY:

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Laplante / R. Young Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	PAHs RY	STLC Ba 1/10/08 SL R.Y	Other	Comments
AEW-047	Doyle Drive	12/24/07	1545	1	SS		X																composite #4
AEW-048	Doyle Drive		1555	1	SS		X																
AEW-052	Doyle Drive		1615	1	SS		X																
AEW-053	Doyle Drive	12/24/07	1245	1	SS		X																
AEW-054	Doyle Drive		1255	1	SS		X																
AEW-055	Doyle Drive		1300	1	SS		X																
AEW-058	Doyle Drive		1320	1	SS		X																
AEW-059	Doyle Drive	12/24/07	1330	1	SS		X																
AEW-060	Doyle Drive		1335	1	SS		X																
AEW-061	Doyle Drive		1340	1	SS		X																
~~AEW-062~~	~~Doyle Drive~~ RY			1	SS		X																

ESB-R1
ESB-R2
ENB-R1
ENB-R2

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

hold sample for 4 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR Normal Others:

LABORATORY:

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante & R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	PAHs RY	STLC Ba & Cd added 1/10/08	TCLP Ba & Sd. R.Y.	Other	Comments
AEW-003	Doyle Drive	12/21/07	1305	1	SS		X																	Borings MPTSB-R3 MPTNB-R1 MPTNB-R2 MPTNB-R3 DOR-A1
AEW-004	Doyle Drive		1315	1	SS		X																	
AEW-008	Doyle Drive		1350	1	SS		X																	
AEW-014	Doyle Drive		1410	1	SS		X																	
AEW-015	Doyle Drive		1420	1	SS		X																	composite #6
AEW-016	Doyle Drive		1430	1	SS		X																	
AEW-017	Doyle Drive		1440	1	SS		X																	
AEW-018	Doyle Drive	12/24/07	1125	1	SS		X																	
AEW-025	Doyle Drive		1215	1	SS		X																	
AEW-026	Doyle Drive		1245	1	SS		X																	
AEW-027	Doyle Drive		1250	1	SS		X																	

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY: MAI

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	TLC Ba 11/06 SD RY	Other	Comments
AEW-028	Doyle Drive	12/24/07	1255	1	SS		X														X		Borings MPT3B-R3 MPTNB-R1 MPTND-R2 MPTND-R3 DOR-A1
AEW-029	Doyle Drive		1305	1	SS		X														X		
AEW-030	Doyle Drive		1315	1	SS		X														X		
AEW-031	Doyle Drive		1320	1	SS		X														X		
AEW-032	Doyle Drive		1325	1	SS		X														X		composite #7
AEW-033	Doyle Drive		1335	1	SS		X														X		
AEW-034	Doyle Drive		1340	1	SS		X														X		
AEW-035	Doyle Drive		1350	1	SS		X														X		
AEW-070	Doyle Drive	12/24/07	1500	1	SS		X														X		
AEW-071	Doyle Drive		1505	1	SS		X														X		
AEW-073 RY	Doyle Drive		1520	1	SS		X														X		

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/27/07		Joe Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 071289 A **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 12/28/2007
Date Add-On: 01/10/2008
Date Printed: 01/10/2008

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0712896-006	Composite #4	Soil	12/24/07	☐		A										
0712896-008	Composite #6	Soil	12/21/07	☐		A	A									
0712896-009	AEW-028	Soil	12/24/07 12:55:00	☐	B											
0712896-009	AEW-029	Soil	12/24/07 1:05:00	☐	C											
0712896-009	AEW-030	Soil	12/24/07 1:15:00	☐	D											
0712896-009	AEW-031	Soil	12/24/07 1:20:00	☐	E											
0712896-009	AEW-032	Soil	12/24/07 1:25:00	☐	F											
0712896-009	AEW-033	Soil	12/24/07 1:35:00	☐	G											
0712896-009	AEW-034	Soil	12/24/07 1:40:00	☐	H											
0712896-009	AEW-035	Soil	12/24/07 1:50:00	☐	I											
0712896-009	AEW-070	Soil	12/26/07 3:00:00	☐	J											
0712896-009	AEW-071	Soil	12/26/07 3:05:00	☐	K											
0712896-009	AEW-073	Soil	12/26/07 3:20:00	☐	L											

Test Legend:

1	METALSMS_S	2	STLCMETALMS_S	3	TCLPMETALMS_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: STLCs, TTLCs, TCLP added 1/10/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07-12/26/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08
	Client P.O.:	Date Analyzed 01/11/08-01/14/08

Metals*

Extraction method SW3050B Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-009B	AEW-028	S	TOTAL	9300	20	98
0712896-009C	AEW-029	S	TOTAL	39	1	105
0712896-009D	AEW-030	S	TOTAL	30	1	112
0712896-009E	AEW-031	S	TOTAL	11,000	20	109
0712896-009F	AEW-032	S	TOTAL	28	1	104
0712896-009G	AEW-033	S	TOTAL	37	1	116
0712896-009H	AEW-034	S	TOTAL	430	1	105
0712896-009I	AEW-035	S	TOTAL	28	1	104
0712896-009J	AEW-070	S	TOTAL	34	1	N/A
0712896-009K	AEW-071	S	TOTAL	37	1	108
0712896-009L	AEW-073	S	TOTAL	39	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

J) analyte detected between reporting limits (RLs) and method detection limits (MDLs).

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery; n) results are reported on a dry weight basis; p) see attached narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08-01/12/08
	Client P.O.:	Date Analyzed 01/14/08

Metals*

Extraction method CA Title 22 Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-006A	Composite #4	S	WET	7.1	1	N/A
0712896-008A	Composite #6	S	WET	5.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	1.0	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08-01/11/08
	Client P.O.:	Date Analyzed 01/11/08

Metals*

Extraction method SW1311 Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-008A	Composite #6	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	1.0	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A **Extraction SW3050B** **BatchID: 33061** **Spiked Sample ID 0712896-009L**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	39	500	116	106	8.95	100	104	104	0	70 - 130	20	80 - 120	20
%SS:	114	250	117	108	7.54	250	105	105	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33061 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-009B	12/24/07 12:55 PM	01/10/08	01/12/08 3:02 AM	0712896-009C	12/24/07 1:05 PM	01/10/08	01/12/08 3:10 AM
0712896-009D	12/24/07 1:15 PM	01/10/08	01/11/08 9:06 AM	0712896-009E	12/24/07 1:20 PM	01/10/08	01/12/08 3:18 AM
0712896-009F	12/24/07 1:25 PM	01/10/08	01/12/08 3:27 AM	0712896-009G	12/24/07 1:35 PM	01/10/08	01/11/08 9:21 AM
0712896-009H	12/24/07 1:40 PM	01/10/08	01/12/08 3:35 AM	0712896-009I	12/24/07 1:50 PM	01/10/08	01/12/08 3:44 AM
0712896-009J	12/26/07 3:00 PM	01/10/08	01/14/08 9:59 PM	0712896-009K	12/26/07 3:05 PM	01/10/08	01/12/08 4:00 AM
0712896-009L	12/26/07 3:20 PM	01/10/08	01/11/08 8:00 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

DHS ELAP Certification N° 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A	Extraction CA Title 22				BatchID: 33117				Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	100	N/A	N/A	N/A	94.1	92.8	1.35	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33117 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-006A	12/24/07	01/10/08	01/14/08 8:53 PM	0712896-008A	12/21/07	01/10/08	01/14/08 9:02 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A **Extraction SW1311** **BatchID: 33118** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	100	N/A	N/A	N/A	99	102	3.32	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33118 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-008A	12/21/07	01/10/08	01/11/08 9:00 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/24/07-12/26/07
55 New Montgomery St, Ste 507		Date Received:	12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/15/08
	Client P.O.:	Date Completed:	01/15/08

WorkOrder: 0712896

January 15, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY:

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Laplante / R. Young Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	PAHs RY	STLC Ba 1/10/08 SL R.Y	Other	Comments
AEW-047	Doyle Drive	12/24/07	1545	1	SS		X																composite #4
AEW-048	Doyle Drive		1555	1	SS		X																
AEW-052	Doyle Drive		1615	1	SS		X																
AEW-053	Doyle Drive	12/24/07	1245	1	SS		X																
AEW-054	Doyle Drive		1255	1	SS		X																
AEW-055	Doyle Drive		1300	1	SS		X																
AEW-058	Doyle Drive		1320	1	SS		X																
AEW-059	Doyle Drive	12/24/07	1330	1	SS		X																
AEW-060	Doyle Drive		1335	1	SS		X																
AEW-061	Doyle Drive		1340	1	SS		X																
~~AEW-062~~	~~Doyle Drive~~ RY			1	SS		X																

ESB-R1
ESB-R2
ENB-R1
ENB-R2

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

hold sample for 4 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR Normal Others:

LABORATORY:

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante & R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	PAHs RY	STLC Ba & Cd added 1/10/08	TCLP Ba & Sd. R.Y.	Other	Comments
AEW-003	Doyle Drive	12/21/07	1305	1	SS		X																	Borings MPTSB-R3 MPTNB-R1 MPTNB-R2 MPTNB-R3 DOR-A1
AEW-004	Doyle Drive		1315	1	SS		X																	
AEW-008	Doyle Drive		1350	1	SS		X																	
AEW-014	Doyle Drive		1410	1	SS		X																	
AEW-015	Doyle Drive		1420	1	SS		X																	composite #6
AEW-016	Doyle Drive		1430	1	SS		X																	
AEW-017	Doyle Drive		1440	1	SS		X																	
AEW-018	Doyle Drive	12/24/07	1125	1	SS		X																	
AEW-025	Doyle Drive		1215	1	SS		X																	
AEW-026	Doyle Drive		1245	1	SS		X																	
AEW-027	Doyle Drive		1250	1	SS		X																	

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY: MAI

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	TLC Ba 11/06 SD RY	Other	Comments
AEW-028	Doyle Drive	12/24/07	1255	1	SS		X														X		Borings MPT3B-R3 MPTNB-R1 MPTND-R2 MPTND-R3 DOR-A1
AEW-029	Doyle Drive		1305	1	SS		X														X		
AEW-030	Doyle Drive		1315	1	SS		X														X		
AEW-031	Doyle Drive		1320	1	SS		X														X		
AEW-032	Doyle Drive		1325	1	SS		X														X		composite #7
AEW-033	Doyle Drive		1335	1	SS		X														X		
AEW-034	Doyle Drive		1340	1	SS		X														X		
AEW-035	Doyle Drive		1350	1	SS		X														X		
AEW-070	Doyle Drive	12/24/07	1500	1	SS		X														X		
AEW-071	Doyle Drive		1505	1	SS		X														X		
AEW-073 RY	Doyle Drive		1520	1	SS		X														X		

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/27/07		Joe Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 071289 A **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 12/28/2007
Date Add-On: 01/10/2008
Date Printed: 01/10/2008

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0712896-006	Composite #4	Soil	12/24/07	☐		A										
0712896-008	Composite #6	Soil	12/21/07	☐		A	A									
0712896-009	AEW-028	Soil	12/24/07 12:55:00	☐	B											
0712896-009	AEW-029	Soil	12/24/07 1:05:00	☐	C											
0712896-009	AEW-030	Soil	12/24/07 1:15:00	☐	D											
0712896-009	AEW-031	Soil	12/24/07 1:20:00	☐	E											
0712896-009	AEW-032	Soil	12/24/07 1:25:00	☐	F											
0712896-009	AEW-033	Soil	12/24/07 1:35:00	☐	G											
0712896-009	AEW-034	Soil	12/24/07 1:40:00	☐	H											
0712896-009	AEW-035	Soil	12/24/07 1:50:00	☐	I											
0712896-009	AEW-070	Soil	12/26/07 3:00:00	☐	J											
0712896-009	AEW-071	Soil	12/26/07 3:05:00	☐	K											
0712896-009	AEW-073	Soil	12/26/07 3:20:00	☐	L											

Test Legend:

1	METALSMS_S	2	STLCMETALMS_S	3	TCLPMETALMS_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: STLCs, TTLCs, TCLP added 1/10/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07-12/26/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08
	Client P.O.:	Date Analyzed 01/11/08-01/14/08

Metals*

Extraction method SW3050B Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-009B	AEW-028	S	TOTAL	9300	20	98
0712896-009C	AEW-029	S	TOTAL	39	1	105
0712896-009D	AEW-030	S	TOTAL	30	1	112
0712896-009E	AEW-031	S	TOTAL	11,000	20	109
0712896-009F	AEW-032	S	TOTAL	28	1	104
0712896-009G	AEW-033	S	TOTAL	37	1	116
0712896-009H	AEW-034	S	TOTAL	430	1	105
0712896-009I	AEW-035	S	TOTAL	28	1	104
0712896-009J	AEW-070	S	TOTAL	34	1	N/A
0712896-009K	AEW-071	S	TOTAL	37	1	108
0712896-009L	AEW-073	S	TOTAL	39	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

J) analyte detected between reporting limits (RLs) and method detection limits (MDLs).

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery; n) results are reported on a dry weight basis; p) see attached narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08-01/12/08
	Client P.O.:	Date Analyzed 01/14/08

Metals*

Extraction method CA Title 22 Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-006A	Composite #4	S	WET	7.1	1	N/A
0712896-008A	Composite #6	S	WET	5.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	1.0	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08-01/11/08
	Client P.O.:	Date Analyzed 01/11/08

Metals*

Extraction method SW1311 Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-008A	Composite #6	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	1.0	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A **Extraction SW3050B** **BatchID: 33061** **Spiked Sample ID 0712896-009L**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	39	500	116	106	8.95	100	104	104	0	70 - 130	20	80 - 120	20
%SS:	114	250	117	108	7.54	250	105	105	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33061 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-009B	12/24/07 12:55 PM	01/10/08	01/12/08 3:02 AM	0712896-009C	12/24/07 1:05 PM	01/10/08	01/12/08 3:10 AM
0712896-009D	12/24/07 1:15 PM	01/10/08	01/11/08 9:06 AM	0712896-009E	12/24/07 1:20 PM	01/10/08	01/12/08 3:18 AM
0712896-009F	12/24/07 1:25 PM	01/10/08	01/12/08 3:27 AM	0712896-009G	12/24/07 1:35 PM	01/10/08	01/11/08 9:21 AM
0712896-009H	12/24/07 1:40 PM	01/10/08	01/12/08 3:35 AM	0712896-009I	12/24/07 1:50 PM	01/10/08	01/12/08 3:44 AM
0712896-009J	12/26/07 3:00 PM	01/10/08	01/14/08 9:59 PM	0712896-009K	12/26/07 3:05 PM	01/10/08	01/12/08 4:00 AM
0712896-009L	12/26/07 3:20 PM	01/10/08	01/11/08 8:00 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

DHS ELAP Certification N° 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A	Extraction CA Title 22				BatchID: 33117				Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	100	N/A	N/A	N/A	94.1	92.8	1.35	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33117 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-006A	12/24/07	01/10/08	01/14/08 8:53 PM	0712896-008A	12/21/07	01/10/08	01/14/08 9:02 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A **Extraction SW1311** **BatchID: 33118** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	100	N/A	N/A	N/A	99	102	3.32	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33118 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-008A	12/21/07	01/10/08	01/11/08 9:00 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/24/07-12/26/07
55 New Montgomery St, Ste 507		Date Received:	12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/15/08
	Client P.O.:	Date Completed:	01/15/08

WorkOrder: 0712896

January 15, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY:

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Laplante / R. Young Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	PAHs RY	STLC Ba 1/10/08 SL R.Y	Other	Comments
AEW-047	Doyle Drive	12/24/07	1545	1	SS		X																composite #4
AEW-048	Doyle Drive		1555	1	SS		X																
AEW-052	Doyle Drive		1615	1	SS		X																
AEW-053	Doyle Drive	12/24/07	1245	1	SS		X																
AEW-054	Doyle Drive		1255	1	SS		X																
AEW-055	Doyle Drive		1300	1	SS		X																
AEW-058	Doyle Drive		1320	1	SS		X																
AEW-059	Doyle Drive	12/24/07	1330	1	SS		X																
AEW-060	Doyle Drive		1335	1	SS		X																
AEW-061	Doyle Drive		1340	1	SS		X																
~~AEW-062~~	~~Doyle Drive~~ RY			1	SS		X																

ESB-R1
ESB-R2
ENB-R1
ENB-R2

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

hold sample for 4 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR Normal Others:

LABORATORY:

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante & R. Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	PAHs RY	STLC Ba & Cd added 1/10/08	TCLP Ba & Sd. R.Y.	Other	Comments
AEW-003	Doyle Drive	12/21/07	1305	1	SS		X																	Borings MPTSB-R3 MPTNB-R1 MPTNB-R2 MPTNB-R3 DOR-A1
AEW-004	Doyle Drive		1315	1	SS		X																	
AEW-008	Doyle Drive		1350	1	SS		X																	
AEW-014	Doyle Drive		1410	1	SS		X																	
AEW-015	Doyle Drive		1420	1	SS		X																	composite #6
AEW-016	Doyle Drive		1430	1	SS		X																	
AEW-017	Doyle Drive		1440	1	SS		X																	
AEW-018	Doyle Drive	12/24/07	1125	1	SS		X																	
AEW-025	Doyle Drive		1215	1	SS		X																	
AEW-026	Doyle Drive		1245	1	SS		X																	
AEW-027	Doyle Drive		1250	1	SS		X																	

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/28/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☑ 24 HOUR (Normal) Others:

LABORATORY: MAI

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	TLC Ba 11/06 SD RY	Other	Comments
AEW-028	Doyle Drive	12/24/07	1255	1	SS		X														X		Borings MPT3B-R3 MPTNB-R1 MPTND-R2 MPTND-R3 DOR-A1
AEW-029	Doyle Drive		1305	1	SS		X														X		
AEW-030	Doyle Drive		1315	1	SS		X														X		
AEW-031	Doyle Drive		1320	1	SS		X														X		
AEW-032	Doyle Drive		1325	1	SS		X														X		composite #7
AEW-033	Doyle Drive		1335	1	SS		X														X		
AEW-034	Doyle Drive		1340	1	SS		X														X		
AEW-035	Doyle Drive		1350	1	SS		X														X		
AEW-070	Doyle Drive	12/24/07	1500	1	SS		X														X		
AEW-071	Doyle Drive		1505	1	SS		X														X		
AEW-073 RY	Doyle Drive		1520	1	SS		X														X		

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/27/07		Joe Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 071289 A **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 12/28/2007
Date Add-On: 01/10/2008
Date Printed: 01/10/2008

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0712896-006	Composite #4	Soil	12/24/07	☐		A										
0712896-008	Composite #6	Soil	12/21/07	☐		A	A									
0712896-009	AEW-028	Soil	12/24/07 12:55:00	☐	B											
0712896-009	AEW-029	Soil	12/24/07 1:05:00	☐	C											
0712896-009	AEW-030	Soil	12/24/07 1:15:00	☐	D											
0712896-009	AEW-031	Soil	12/24/07 1:20:00	☐	E											
0712896-009	AEW-032	Soil	12/24/07 1:25:00	☐	F											
0712896-009	AEW-033	Soil	12/24/07 1:35:00	☐	G											
0712896-009	AEW-034	Soil	12/24/07 1:40:00	☐	H											
0712896-009	AEW-035	Soil	12/24/07 1:50:00	☐	I											
0712896-009	AEW-070	Soil	12/26/07 3:00:00	☐	J											
0712896-009	AEW-071	Soil	12/26/07 3:05:00	☐	K											
0712896-009	AEW-073	Soil	12/26/07 3:20:00	☐	L											

Test Legend:

1	METALSMS_S	2	STLCMETALMS_S	3	TCLPMETALMS_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: STLCs, TTLCs, TCLP added 1/10/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07-12/26/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08
	Client P.O.:	Date Analyzed 01/11/08-01/14/08

Metals*

Extraction method SW3050B Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-009B	AEW-028	S	TOTAL	9300	20	98
0712896-009C	AEW-029	S	TOTAL	39	1	105
0712896-009D	AEW-030	S	TOTAL	30	1	112
0712896-009E	AEW-031	S	TOTAL	11,000	20	109
0712896-009F	AEW-032	S	TOTAL	28	1	104
0712896-009G	AEW-033	S	TOTAL	37	1	116
0712896-009H	AEW-034	S	TOTAL	430	1	105
0712896-009I	AEW-035	S	TOTAL	28	1	104
0712896-009J	AEW-070	S	TOTAL	34	1	N/A
0712896-009K	AEW-071	S	TOTAL	37	1	108
0712896-009L	AEW-073	S	TOTAL	39	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

J) analyte detected between reporting limits (RLs) and method detection limits (MDLs).

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery; n) results are reported on a dry weight basis; p) see attached narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07-12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08-01/12/08
	Client P.O.:	Date Analyzed 01/14/08

Metals*

Extraction method CA Title 22 Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-006A	Composite #4	S	WET	7.1	1	N/A
0712896-008A	Composite #6	S	WET	5.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	1.0	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/21/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 01/10/08-01/11/08
	Client P.O.:	Date Analyzed 01/11/08

Metals*

Extraction method SW1311 Analytical methods 6020A Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-008A	Composite #6	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	1.0	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A **Extraction SW3050B** **BatchID: 33061** **Spiked Sample ID 0712896-009L**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	39	500	116	106	8.95	100	104	104	0	70 - 130	20	80 - 120	20
%SS:	114	250	117	108	7.54	250	105	105	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33061 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-009B	12/24/07 12:55 PM	01/10/08	01/12/08 3:02 AM	0712896-009C	12/24/07 1:05 PM	01/10/08	01/12/08 3:10 AM
0712896-009D	12/24/07 1:15 PM	01/10/08	01/11/08 9:06 AM	0712896-009E	12/24/07 1:20 PM	01/10/08	01/12/08 3:18 AM
0712896-009F	12/24/07 1:25 PM	01/10/08	01/12/08 3:27 AM	0712896-009G	12/24/07 1:35 PM	01/10/08	01/11/08 9:21 AM
0712896-009H	12/24/07 1:40 PM	01/10/08	01/12/08 3:35 AM	0712896-009I	12/24/07 1:50 PM	01/10/08	01/12/08 3:44 AM
0712896-009J	12/26/07 3:00 PM	01/10/08	01/14/08 9:59 PM	0712896-009K	12/26/07 3:05 PM	01/10/08	01/12/08 4:00 AM
0712896-009L	12/26/07 3:20 PM	01/10/08	01/11/08 8:00 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

DHS ELAP Certification N° 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A	Extraction CA Title 22				BatchID: 33117				Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	100	N/A	N/A	N/A	94.1	92.8	1.35	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33117 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-006A	12/24/07	01/10/08	01/14/08 8:53 PM	0712896-008A	12/21/07	01/10/08	01/14/08 9:02 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0712896

EPA Method 6020A **Extraction SW1311** **BatchID: 33118** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	100	N/A	N/A	N/A	99	102	3.32	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33118 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-008A	12/21/07	01/10/08	01/11/08 9:00 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/24/07
55 New Montgomery St, Ste 507		Date Received:	12/28/07
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/15/08
	Client P.O.:	Date Completed:	02/07/08

WorkOrder: 0712896

February 07, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☑ Others:

LABORATORY: MAI

24 HOURS	48 HOUR	24 HOUR	Normal
	☐	☑	

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	VOCs 8260B)	CAM 17 Metals	PCBs	~~PAHs~~ PAHs RY	TLC Ba 11/10/08 BD RY	TLC Ba 11/10/08 BD RY	Other	Other	Other	Other	Comments
AEW-028	Doyle Drive	12/24/07	1250	1	SS		X														X	X					Borings
AEW-029	Doyle Drive		1305	1	SS		X														X	X					MPT SB-R3
AEW-030	Doyle Drive		1315	1	SS		X														X	X					MPT NB-R1
AEW-031	Doyle Drive		1320	1	SS		X														X	X					MPT NB-R2
AEW-032	Doyle Drive		1325	1	SS		X														X	X					MPT NB-R3
AEW-033	Doyle Drive		1335	1	SS		X														X	X					DOR-A1
AEW-034	Doyle Drive		1340	1	SS		X														X	X					
AEW-035	Doyle Drive		1350	1	SS		X														X	X					
AEW-070	Doyle Drive	12/24/07	1500	1	SS		X														X	X					
AEW-071	Doyle Drive		1505	1	SS		X														X	X					
AEW-073 RY	Doyle Drive		1520	1	SS		X														X	X					composite #7

Relinquished By:	Date:	Time:	Received By:
Randall Young	12/24/07		Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 071289 B **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 12/28/2007
Date Add-On: 02/01/2008
Date Printed: 02/01/2008

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0712896-009	AEW-028	Soil	12/24/2007	☐	B											
0712896-009	AEW-031	Soil	12/24/2007	☐	E											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: STLCs, TTLCs, TCLP added 1/10/08… Stlc Metals added on 2/01/08 on a std tat per randy/email

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/24/07
		Date Received: 12/28/07
	Client Contact: Randy Young	Date Extracted: 02/01/08-02/03/08
	Client P.O.:	Date Analyzed 02/05/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0712896

Lab ID	Client ID	Matrix	Extraction Type	Barium	DF	% SS
0712896-009B	AEW-028	S	WET	19	1	N/A
0712896-009E	AEW-031	S	WET	7.6	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0712896

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 33523** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Barium	N/A	10	N/A	N/A	N/A	87.9	92.5	5.14	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33523 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712896-009B	12/24/07 12:55 PM	02/01/08	02/05/08 3:10 PM	0712896-009E	12/24/07 1:20 PM	02/01/08	02/05/08 3:16 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/31/07
55 New Montgomery St, Ste 507		Date Received:	01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/10/08
	Client P.O.:	Date Completed:	01/10/08

WorkOrder: 0801108

January 10, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 080108

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 4 HOUR ☐ 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 1/3/08

Report To: Randy Young — eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. — Project No.: 2007-014

Project Name: Doyle Drive — Location: San Francisco

Sampler: Joe [illegible] — Project No.: 2007-014

Sampler: Signature: [illegible] — Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ — Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-075	Doyle Drive	12/31/07	14:20	1	SS		X				X				X	X	X	X	X	X		
AEW-076			14:25	1	SS																	
AEW-078			14:30	1	SS																	
AEW-079			14:35	1	SS																	
AEW-080			14:40	1	SS																	
AEW-081			14:45	1	SS																	
AEW-089			15:30	1	SS																	composite
AEW-090			15:35	1	SS																	
AEW-096			16:10	1	SS																	
AEW-097			16:15	1	SS																	
AEW-098			16:20	1	SS																	
AEW-099			16:25	1	SS																	
AEW-100		12/31/07	16:30	1	SS																	

ICE/t° N/C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ___ DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___ | ___ | ___ | ___

Relinquished By:	Date:	Time:	Received By:
[illegible]	1/4/08		[illegible]

Remarks: Composite all samples 13 → 1 for analyses

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801108 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **01/02/2008**
Date Printed: **01/07/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801108-001	Composite #8	Soil	12/31/07 2:20:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples taken off hold 1/4/08 per fax

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **1/2/08**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801108** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801108

Lab ID	0801108-001A				Reporting Limit for DF =1	
Client ID	Composite #8					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	97					
Comments	o					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

AR Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/09/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801108

Lab ID	0801108-001A
Client ID	Composite #8
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	100	%SS2:	101
%SS3:	100		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/08/08
	Client P.O.:	Date Analyzed 01/08/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801108

Lab ID	0801108-001A				Reporting Limit for DF =1	
Client ID	Composite #8					
Matrix	S					
DF	2				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.010				0.005	NA
Acenaphthylene	ND<0.010				0.005	NA
Anthracene	ND<0.010				0.005	NA
Benzo(a)anthracene	ND<0.010				0.005	NA
Benzo(a)pyrene	ND<0.010				0.005	NA
Benzo(b)fluoranthene	ND<0.010				0.005	NA
Benzo(g,h,i)perylene	ND<0.010				0.005	NA
Benzo(k)fluoranthene	ND<0.010				0.005	NA
Chrysene	ND<0.010				0.005	NA
Dibenzo(a,h)anthracene	ND<0.010				0.005	NA
Fluoranthene	ND<0.010				0.005	NA
Fluorene	ND<0.010				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.010				0.005	NA
1-Methylnaphthalene	ND<0.010				0.005	NA
2-Methylnaphthalene	ND<0.010				0.005	NA
Naphthalene	ND<0.010				0.005	NA
Phenanthrene	ND<0.010				0.005	NA
Pyrene	ND<0.010				0.005	NA
Surrogate Recoveries (%)						
%SS1	86					
%SS2	80					
Comments	j					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

CAM / CCR 17 Metals*

Lab ID	0801108-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #8					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801108

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	3.3				0.5	NA
Barium	150				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	57				0.5	NA
Cobalt	6.8				0.5	NA
Copper	16				0.5	NA
Lead	25				0.5	NA
Mercury	0.058				0.05	NA
Molybdenum	0.76				0.5	NA
Nickel	39				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	44				0.5	NA
Zinc	45				5.0	NA
%SS:	116					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801108

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #8	S	1.7,g	ND	ND	ND	ND	ND	1	83

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801108

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801108-001A	Composite #8	S	11,g,k	25	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801108

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32937** **Spiked Sample ID: 0712782-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	97.4	101	3.28	101	101	0	70 - 130	20	70 - 130	20
%SS:	86	0.050	111	113	1.66	85	85	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32937 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/04/08	01/07/08 3:05 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801108

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32986 Spiked Sample ID: 0801113-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	103	109	5.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	107	111	3.35	112	109	2.89	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94.3	98.7	4.54	92.6	93.1	0.596	70 - 130	30	70 - 130	30
Toluene	ND	0.10	82	84.5	2.87	82.9	83.5	0.709	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.5	98.6	2.15	93.2	95.6	2.60	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	92	93	1.08	91	91	0	70 - 130	30	70 - 130	30
%SS:	94	0.10	94	99	5.10	93	92	1.81	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/04/08	01/07/08 8:11 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801108

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33026** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	11	20	80.2	81.6	1.00	112	100	10.7	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.05	112	109	3.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/04/08	01/07/08 6:21 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801108

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/04/08	01/09/08 12:16 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0801108

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33027** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	78	75.4	3.40	69.6	72.8	4.52	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	94.2	94.8	0.554	80.7	80.5	0.186	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	78.6	78.1	0.580	90.3	90.7	0.418	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	79.5	79	0.600	85	84.6	0.549	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	79.5	79.4	0.114	86.7	84.9	2.09	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	66	64.8	1.88	74.9	73.3	2.10	30 - 130	30	30 - 130	30
%SS1:	86	0.050	86	87	1.35	76	78	1.54	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	81	0.377	77	79	2.40	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33027 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/08/08	01/08/08 4:59 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801108

EPA Method 6020A **Extraction SW3050B** **BatchID: 32971** **Spiked Sample ID 0801035-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.85	50	102	102	0	10	104	106	1.99	70 - 130	20	80 - 120	20
Arsenic	10	50	102	101	0.619	10	99.1	105	6.07	70 - 130	20	80 - 120	20
Barium	210	500	105	106	0.569	100	99.5	102	2.11	70 - 130	20	80 - 120	20
Beryllium	0.50	50	81.3	80.5	0.928	10	89.8	92.5	2.97	70 - 130	20	80 - 120	20
Cadmium	ND	50	99.5	98.4	1.07	10	99.4	101	1.20	70 - 130	20	80 - 120	20
Chromium	39	50	90.3	87.8	1.49	10	91.6	92.6	1.14	70 - 130	20	80 - 120	20
Cobalt	11	50	92.5	92.4	0.0872	10	105	107	1.41	70 - 130	20	80 - 120	20
Copper	29	50	95.3	94.3	0.613	10	92.7	95	2.48	70 - 130	20	80 - 120	20
Lead	10	50	98	98.9	0.794	10	99.4	101	2.03	70 - 130	20	80 - 120	20
Mercury	ND	1.25	86.5	86.7	0.267	0.25	85.9	87	1.34	70 - 130	20	80 - 120	20
Molybdenum	0.58	50	99.1	99	0.0798	10	101	104	2.54	70 - 130	20	80 - 120	20
Nickel	38	50	97.4	96.8	0.345	10	91.8	94.6	3.01	70 - 130	20	80 - 120	20
Selenium	ND	50	97.4	96.3	1.13	10	94.3	96.9	2.77	70 - 130	20	80 - 120	20
Silver	ND	50	98.9	98.8	0.101	10	101	102	0.690	70 - 130	20	80 - 120	20
Thallium	ND	50	95.9	96.2	0.373	10	94.5	96.6	2.20	70 - 130	20	80 - 120	20
Vanadium	52	50	94.2	90.4	1.91	10	96.7	97.5	0.752	70 - 130	20	80 - 120	20
Zinc	67	500	99.1	99.5	0.408	100	98.1	101	2.52	70 - 130	20	80 - 120	20
%SS:	98	250	101	104	2.99	250	94	95	1.18	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32971 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/04/08	01/08/08 12:45 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/31/07
55 New Montgomery St, Ste 507		Date Received:	01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/22/08
	Client P.O.:	Date Completed:	01/22/08

WorkOrder: 0801108

January 22, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 080108

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 4 HOUR ☐ 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 1/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe [illegible] Project No.: 2007-014

Sampler: Signature: [illegible] Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other: STLC CR	Comments
AEW-075	Doyle Drive	12/31/07	14:20	1	SS		X				X				X	X	X	X	X	X	X	Added STLC CR on 01-15-08.
AEW-076			14:25	1	SS																	
AEW-078			14:30	1	SS																	
AEW-079			14:35	1	SS																	
AEW-080			14:40	1	SS																	
AEW-081			14:45	1	SS																	
AEW-089			15:30	1	SS																	composite
AEW-090			15:35	1	SS																	
AEW-096			16:10	1	SS																	
AEW-097			16:15	1	SS																	
AEW-098			16:20	1	SS																	
AEW-099			16:25	1	SS																	
AEW-100		12/31/07	16:30	1	SS																	

ICE/t° N/C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEADSPACE ABSENT ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
[illegible]	1/4/08		[illegible]

Remarks: Composite all samples 13 → 1 for analyses

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080110 A **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 01/02/2008
Date Add-On: 01/15/2008
Date Printed: 01/15/2008

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801108-001	Composite #8	Soil	12/31/2007	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples taken off hold 1/4/08 per fax. Added STLC CR on 01/15/08, on a standard TAT.

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/15/08-01/17/08
	Client P.O.:	Date Analyzed 01/22/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0801108

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0801108-001A	Composite #8	S	WET	0.95	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801108

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 33173** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	103	102	0.489	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33173 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801108-001A	12/31/07 2:20 PM	01/15/08	01/22/08 3:27 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/31/07
55 New Montgomery St, Ste 507		Date Received:	01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/11/08
	Client P.O.:	Date Completed:	01/11/08

WorkOrder: 0801109

January 11, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 0801109

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD Page 1 of 1

TURN AROUND TIME: 2 HOUR ☐ 48 HOURS ☐ 24 HOURS ☐ Normal ☑ Others:

LABORATORY: McCampbell

Date: 1/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. [illegible] Project No.: 2007-014
Sampler: Signature: [illegible] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-092	Doyle Drive	12/31/07	14:50	1	SS		X				X				X	X	X	X	X	X		composite
AEW-084			15:00	1	SS		X				X											
AEW-093			14:55	1	SS		X				X											
AEW-085			15:05	1	SS		X				X											
AEW-086			15:15	1	SS		X				X											
AEW-087			15:20	1	SS		X				X											
AEW-088			15:25	1	SS		X				X											
AEW-094			15:55	1	SS		X				X											
AEW-095		12/31/07	16:00	1	SS		X				X											
AEW-107	Doyle Drive	1/2/08	14:10	1	SS		X				X											

ICE / t° N/A
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
J. [illegible]	1/4/08		Mike Vaal

Remarks: Composite all samples 10 -> 1 for analyses

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801109 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **01/02/2008**
Date Printed: **01/07/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801109-001	Composite #9	Soil	12/31/07 2:50:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples taken off hold 1/4/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **1/2/08 7:00:00 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801109** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801109

Lab ID	0801109-001A				Reporting Limit for DF =1	
Client ID	Composite #9					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	91					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/10/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801109

Lab ID	0801109-001A
Client ID	Composite #9
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	99	%SS2:	100
%SS3:	97		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801109

Lab ID	0801109-001A				Reporting Limit for DF =1	
Client ID	Composite #9					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	77					
%SS2	75					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

CAM / CCR 17 Metals*

Lab ID	0801109-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #9					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801109

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.0				0.5	NA
Barium	85				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	43				0.5	NA
Cobalt	4.4				0.5	NA
Copper	5.8				0.5	NA
Lead	2.6				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	26				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	31				0.5	NA
Zinc	17				5.0	NA
%SS:	114					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801109

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #9	S	9.6,g	ND	ND	ND	ND	ND	1	75

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801109

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801109-001A	Composite #9	S	18,k,g	6.1	1	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801109

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32937** **Spiked Sample ID: 0712782-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	97.4	101	3.28	101	101	0	70 - 130	20	70 - 130	20
%SS:	86	0.050	111	113	1.66	85	85	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32937 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801109-001A	12/31/07 2:50 PM	01/04/08	01/07/08 4:01 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801109

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32986 Spiked Sample ID: 0801113-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	103	109	5.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	107	111	3.35	112	109	2.89	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94.3	98.7	4.54	92.6	93.1	0.596	70 - 130	30	70 - 130	30
Toluene	ND	0.10	82	84.5	2.87	82.9	83.5	0.709	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.5	98.6	2.15	93.2	95.6	2.60	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	92	93	1.08	91	91	0	70 - 130	30	70 - 130	30
%SS:	94	0.10	94	99	5.10	93	92	1.81	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801109-001A	12/31/07 2:50 PM	01/04/08	01/07/08 8:41 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801109

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33026** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	11	20	80.2	81.6	1.00	112	100	10.7	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.05	112	109	3.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801109-001A	12/31/07 2:50 PM	01/04/08	01/08/08 1:08 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801109

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801109-001A	12/31/07 2:50 PM	01/04/08	01/10/08 1:03 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0801109

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33027** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	78	75.4	3.40	69.6	72.8	4.52	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	94.2	94.8	0.554	80.7	80.5	0.186	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	78.6	78.1	0.580	90.3	90.7	0.418	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	79.5	79	0.600	85	84.6	0.549	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	79.5	79.4	0.114	86.7	84.9	2.09	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	66	64.8	1.88	74.9	73.3	2.10	30 - 130	30	30 - 130	30
%SS1:	86	0.050	86	87	1.35	76	78	1.54	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	81	0.377	77	79	2.40	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33027 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801109-001A	12/31/07 2:50 PM	01/04/08	01/08/08 3:45 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801109

EPA Method 6020A **Extraction SW3050B** **BatchID: 32965** **Spiked Sample ID 0801033-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.61	50	98.9	99.1	0.120	10	104	108	4.06	70 - 130	20	80 - 120	20
Arsenic	9.2	50	94.2	95	0.690	10	97.2	101	3.46	70 - 130	20	80 - 120	20
Barium	38	500	95.7	96.6	0.810	100	95.6	99.6	4.14	70 - 130	20	80 - 120	20
Beryllium	ND	50	93.1	92	1.23	10	95.6	100	4.94	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	91.6	0	10	99	101	2.15	70 - 130	20	80 - 120	20
Chromium	180	50	72	82.2	2.38	10	98.7	101	2.39	70 - 130	20	80 - 120	20
Cobalt	1.2	50	94.9	94	0.929	10	102	105	3.19	70 - 130	20	80 - 120	20
Copper	40	50	90.6	90.7	0.0704	10	99.2	99.4	0.212	70 - 130	20	80 - 120	20
Lead	2.4	50	91.9	91.7	0.248	10	95.7	99.6	4.03	70 - 130	20	80 - 120	20
Mercury	ND	1.25	83.1	81.9	1.52	0.25	84.2	88	4.37	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.5	93.8	0.313	10	98.2	103	4.67	70 - 130	20	80 - 120	20
Nickel	21	50	92	92	0	10	98.4	98.5	0.142	70 - 130	20	80 - 120	20
Selenium	ND	50	91.1	92.7	1.76	10	95.5	97.7	2.33	70 - 130	20	80 - 120	20
Silver	ND	50	93.4	93	0.451	10	98.2	102	3.85	70 - 130	20	80 - 120	20
Thallium	ND	50	92.1	92.2	0.174	10	92.2	96.5	4.55	70 - 130	20	80 - 120	20
Vanadium	6.4	50	95.2	97.1	1.71	10	98.8	100	1.48	70 - 130	20	80 - 120	20
Zinc	38	500	93.6	93.9	0.296	100	99.2	103	3.46	70 - 130	20	80 - 120	20
%SS:	101	250	95	97	2.41	250	93	97	4.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32965 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801109-001A	12/31/07 2:50 PM	01/04/08	01/08/08 12:53 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/31/07
55 New Montgomery St, Ste 507		Date Received:	01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/11/08
	Client P.O.:	Date Completed:	01/11/08

WorkOrder: 0801110

January 11, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 080110

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOUR ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-091	Doyle Drive	12/31/07	15:40	1	SS		X				X				X	X	X	X	X	X		composite
AEW-092	↓	↓	15:45	1	SS		X				X				↓	↓	↓	↓	↓	↓		
AEW-093		12/31/07	15:50	1	SS		X				X											
AEW-104		1/2/08	13:55	1	SS		X				X											
AEW-105		↓	14:00	1	SS		X				X											
AEW-110			14:25	1	SS		X				X											
AEW-102			13:45	1	SS		X				X											
AEW-106			14:05	1	SS		X				X											
AEW-111			14:30	1	SS		X				X											
AEW-112	↓	↓	14:35	1	SS		X				X				↓	↓	↓	↓	↓	↓		

Analysis Request | Other | Comments

ICE/t° N/A
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___

Relinquished By:	Date:	Time:	Received By:
J. [illegible]	1/4/08		McCall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:
Composite all samples 10 → 1 for analyses

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801110 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **01/02/2008**
Date Printed: **01/07/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801110-001	Composite #10	Soil	12/31/07 3:40:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples received 1/2/08 and 1/3/08; off hold 1/4/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **1/2/08 7:45:34 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801110** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801110

Lab ID	0801110-001A				Reporting Limit for DF =1	
Client ID	Composite #10					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	91					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/10/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801110

Lab ID	0801110-001A
Client ID	Composite #10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	96	%SS2:	101
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/08/08
	Client P.O.:	Date Analyzed 01/08/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801110

Lab ID	0801110-001A				Reporting Limit for DF =1	
Client ID	Composite #10					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	0.0063				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	77					
%SS2	75					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

CAM / CCR 17 Metals*

Lab ID	0801110-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #10					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801110

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.0				0.5	NA
Barium	53				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	33				0.5	NA
Cobalt	4.0				0.5	NA
Copper	6.7				0.5	NA
Lead	3.9				0.5	NA
Mercury	0.081				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	20				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	26				0.5	NA
Zinc	16				5.0	NA
%SS:	107					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801110

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #10	S	2.0,g	ND	ND	ND	ND	ND	1	74

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801110

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801110-001A	Composite #10	S	4.3,g,k	8.9	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32937** **Spiked Sample ID: 0712782-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	97.4	101	3.28	101	101	0	70 - 130	20	70 - 130	20
%SS:	86	0.050	111	113	1.66	85	85	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32937 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/07/08 8:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32986 Spiked Sample ID: 0801113-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	103	109	5.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	107	111	3.35	112	109	2.89	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94.3	98.7	4.54	92.6	93.1	0.596	70 - 130	30	70 - 130	30
Toluene	ND	0.10	82	84.5	2.87	82.9	83.5	0.709	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.5	98.6	2.15	93.2	95.6	2.60	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	92	93	1.08	91	91	0	70 - 130	30	70 - 130	30
%SS:	94	0.10	94	99	5.10	93	92	1.81	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/07/08 9:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33026** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	11	20	80.2	81.6	1.00	112	100	10.7	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.05	112	109	3.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/08/08 2:15 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/10/08 12:58 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0801110

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33027** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	78	75.4	3.40	69.6	72.8	4.52	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	94.2	94.8	0.554	80.7	80.5	0.186	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	78.6	78.1	0.580	90.3	90.7	0.418	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	79.5	79	0.600	85	84.6	0.549	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	79.5	79.4	0.114	86.7	84.9	2.09	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	66	64.8	1.88	74.9	73.3	2.10	30 - 130	30	30 - 130	30
%SS1:	86	0.050	86	87	1.35	76	78	1.54	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	81	0.377	77	79	2.40	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33027 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/08/08	01/08/08 3:40 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method 6020A **Extraction SW3050B** **BatchID: 32965** **Spiked Sample ID 0801033-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.61	50	98.9	99.1	0.120	10	104	108	4.06	70 - 130	20	80 - 120	20
Arsenic	9.2	50	94.2	95	0.690	10	97.2	101	3.46	70 - 130	20	80 - 120	20
Barium	38	500	95.7	96.6	0.810	100	95.6	99.6	4.14	70 - 130	20	80 - 120	20
Beryllium	ND	50	93.1	92	1.23	10	95.6	100	4.94	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	91.6	0	10	99	101	2.15	70 - 130	20	80 - 120	20
Chromium	180	50	72	82.2	2.38	10	98.7	101	2.39	70 - 130	20	80 - 120	20
Cobalt	1.2	50	94.9	94	0.929	10	102	105	3.19	70 - 130	20	80 - 120	20
Copper	40	50	90.6	90.7	0.0704	10	99.2	99.4	0.212	70 - 130	20	80 - 120	20
Lead	2.4	50	91.9	91.7	0.248	10	95.7	99.6	4.03	70 - 130	20	80 - 120	20
Mercury	ND	1.25	83.1	81.9	1.52	0.25	84.2	88	4.37	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.5	93.8	0.313	10	98.2	103	4.67	70 - 130	20	80 - 120	20
Nickel	21	50	92	92	0	10	98.4	98.5	0.142	70 - 130	20	80 - 120	20
Selenium	ND	50	91.1	92.7	1.76	10	95.5	97.7	2.33	70 - 130	20	80 - 120	20
Silver	ND	50	93.4	93	0.451	10	98.2	102	3.85	70 - 130	20	80 - 120	20
Thallium	ND	50	92.1	92.2	0.174	10	92.2	96.5	4.55	70 - 130	20	80 - 120	20
Vanadium	6.4	50	95.2	97.1	1.71	10	98.8	100	1.48	70 - 130	20	80 - 120	20
Zinc	38	500	93.6	93.9	0.296	100	99.2	103	3.46	70 - 130	20	80 - 120	20
%SS:	101	250	95	97	2.41	250	93	97	4.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32965 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/08/08 1:00 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	12/31/07
55 New Montgomery St, Ste 507		Date Received:	01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/11/08
	Client P.O.:	Date Completed:	01/11/08

WorkOrder: 0801110

January 11, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 080110

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOUR ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date:

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-091	Doyle Drive	12/31/07	15:40	1	SS		X				X				X	X	X	X	X	X		composite
AEW-092	↓	↓	15:45	1	SS		X				X				↓	↓	↓	↓	↓	↓		
AEW-093		12/31/07	15:50	1	SS		X				X											
AEW-104		1/2/08	13:55	1	SS		X				X											
AEW-105		↓	14:00	1	SS		X				X											
AEW-110			14:25	1	SS		X				X											
AEW-102			13:45	1	SS		X				X											
AEW-106			14:05	1	SS		X				X											
AEW-111			14:30	1	SS		X				X											
AEW-112	↓	↓	14:35	1	SS		X				X				↓	↓	↓	↓	↓	↓		

Analysis Request | Other | Comments

ICE/t° N/A
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___

Relinquished By:	Date:	Time:	Received By:
J. [illegible]	1/4/08		McCall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:
Composite all samples 10 → 1 for analyses

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801110 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **01/02/2008**
Date Printed: **01/07/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801110-001	Composite #10	Soil	12/31/07 3:40:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples received 1/2/08 and 1/3/08; off hold 1/4/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **1/2/08 7:45:34 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801110** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801110

Lab ID	0801110-001A				Reporting Limit for DF =1	
Client ID	Composite #10					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	91					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/10/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801110

Lab ID	0801110-001A
Client ID	Composite #10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	96	%SS2:	101
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/08/08
	Client P.O.:	Date Analyzed 01/08/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801110

Lab ID	0801110-001A				Reporting Limit for DF =1	
Client ID	Composite #10					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	0.0063				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	77					
%SS2	75					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

CAM / CCR 17 Metals*

Lab ID	0801110-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #10					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801110

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.0				0.5	NA
Barium	53				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	33				0.5	NA
Cobalt	4.0				0.5	NA
Copper	6.7				0.5	NA
Lead	3.9				0.5	NA
Mercury	0.081				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	20				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	26				0.5	NA
Zinc	16				5.0	NA
%SS:	107					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
55 New Montgomery St, Ste 507		Date Received: 01/02/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801110

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #10	S	2.0,g	ND	ND	ND	ND	ND	1	74

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 12/31/07
		Date Received: 01/02/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801110

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801110-001A	Composite #10	S	4.3,g,k	8.9	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32937** **Spiked Sample ID: 0712782-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	97.4	101	3.28	101	101	0	70 - 130	20	70 - 130	20
%SS:	86	0.050	111	113	1.66	85	85	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32937 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/07/08 8:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32986 Spiked Sample ID: 0801113-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	103	109	5.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	107	111	3.35	112	109	2.89	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94.3	98.7	4.54	92.6	93.1	0.596	70 - 130	30	70 - 130	30
Toluene	ND	0.10	82	84.5	2.87	82.9	83.5	0.709	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.5	98.6	2.15	93.2	95.6	2.60	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	92	93	1.08	91	91	0	70 - 130	30	70 - 130	30
%SS:	94	0.10	94	99	5.10	93	92	1.81	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/07/08 9:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33026** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	11	20	80.2	81.6	1.00	112	100	10.7	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.05	112	109	3.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/08/08 2:15 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/10/08 12:58 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0801110

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33027** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	78	75.4	3.40	69.6	72.8	4.52	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	94.2	94.8	0.554	80.7	80.5	0.186	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	78.6	78.1	0.580	90.3	90.7	0.418	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	79.5	79	0.600	85	84.6	0.549	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	79.5	79.4	0.114	86.7	84.9	2.09	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	66	64.8	1.88	74.9	73.3	2.10	30 - 130	30	30 - 130	30
%SS1:	86	0.050	86	87	1.35	76	78	1.54	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	81	0.377	77	79	2.40	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33027 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/08/08	01/08/08 3:40 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801110

EPA Method 6020A **Extraction SW3050B** **BatchID: 32965** **Spiked Sample ID 0801033-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.61	50	98.9	99.1	0.120	10	104	108	4.06	70 - 130	20	80 - 120	20
Arsenic	9.2	50	94.2	95	0.690	10	97.2	101	3.46	70 - 130	20	80 - 120	20
Barium	38	500	95.7	96.6	0.810	100	95.6	99.6	4.14	70 - 130	20	80 - 120	20
Beryllium	ND	50	93.1	92	1.23	10	95.6	100	4.94	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	91.6	0	10	99	101	2.15	70 - 130	20	80 - 120	20
Chromium	180	50	72	82.2	2.38	10	98.7	101	2.39	70 - 130	20	80 - 120	20
Cobalt	1.2	50	94.9	94	0.929	10	102	105	3.19	70 - 130	20	80 - 120	20
Copper	40	50	90.6	90.7	0.0704	10	99.2	99.4	0.212	70 - 130	20	80 - 120	20
Lead	2.4	50	91.9	91.7	0.248	10	95.7	99.6	4.03	70 - 130	20	80 - 120	20
Mercury	ND	1.25	83.1	81.9	1.52	0.25	84.2	88	4.37	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.5	93.8	0.313	10	98.2	103	4.67	70 - 130	20	80 - 120	20
Nickel	21	50	92	92	0	10	98.4	98.5	0.142	70 - 130	20	80 - 120	20
Selenium	ND	50	91.1	92.7	1.76	10	95.5	97.7	2.33	70 - 130	20	80 - 120	20
Silver	ND	50	93.4	93	0.451	10	98.2	102	3.85	70 - 130	20	80 - 120	20
Thallium	ND	50	92.1	92.2	0.174	10	92.2	96.5	4.55	70 - 130	20	80 - 120	20
Vanadium	6.4	50	95.2	97.1	1.71	10	98.8	100	1.48	70 - 130	20	80 - 120	20
Zinc	38	500	93.6	93.9	0.296	100	99.2	103	3.46	70 - 130	20	80 - 120	20
%SS:	101	250	95	97	2.41	250	93	97	4.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32965 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801110-001A	12/31/07 3:40 PM	01/04/08	01/08/08 1:00 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	01/02/08
55 New Montgomery St, Ste 507		Date Received:	01/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/11/08
	Client P.O.:	Date Completed:	01/11/08

WorkOrder: 0801111

January 11, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 080111

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 4 HOUR ☐ 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 1/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. [illegible] Project No.: 2007-014
Sampler: Signature: [illegible] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-103	Doyle Drive	1/2/08	13:50	1	SS		X				X				X	X	X	X	X	X		
AEW-108	↓	↓	14:15	1	SS		X				X				↓	↓	↓	↓	↓	↓		composite
AEW-109			14:20	1	SS		X				X											
AEW-010			15:20	1	SS		X				X											
AEW-011			15:25	1	SS		X				X											
AEW-012			15:30	1	SS		X				X											
AEW-013			15:35	1	SS		X				X											
AEW-119			16:30	1	SS		X				X											
AEW-124	↓	↓	16:55	1	SS		X				X				↓	↓	↓	↓	↓	↓		

ICE/t° N/A
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
[illegible]	1/4/08		[illegible]

Remarks: Composite all samples 9 → 1 for analyses

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801111 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX: (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 01/03/2008
Date Printed: 01/07/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801111-001	Composite #11	Soil	1/2/2008 13:50	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples off hold 1/4/08

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **1/3/08 7:53:06 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801111** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801111

Lab ID	0801111-001A				Reporting Limit for DF =1	
Client ID	Composite #11					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	96					
Comments	o					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801111

Lab ID	0801111-001A
Client ID	Composite #11
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	97	%SS2:	107
%SS3:	103		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801111

Lab ID	0801111-001A				Reporting Limit for DF =1	
Client ID	Composite #11					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	0.0064				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	0.0058				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	0.012				0.005	NA
Fluorene	0.0069				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	0.026				0.005	NA
Pyrene	0.0083				0.005	NA
Surrogate Recoveries (%)						
%SS1	81					
%SS2	78					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
55 New Montgomery St, Ste 507		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

CAM / CCR 17 Metals*

Lab ID	0801111-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #11					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801111

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	1.8				0.5	NA
Barium	37				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	32				0.5	NA
Cobalt	4.5				0.5	NA
Copper	8.4				0.5	NA
Lead	6.5				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	0.52				0.5	NA
Nickel	23				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	26				0.5	NA
Zinc	20				5.0	NA
%SS:	114					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
55 New Montgomery St, Ste 507		Date Received: 01/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801111

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #11	S	31,g	ND	ND	ND	ND	ND	1	77

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801111

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801111-001A	Composite #11	S	230,k	18	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801111

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32937** **Spiked Sample ID: 0712782-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	97.4	101	3.28	101	101	0	70 - 130	20	70 - 130	20
%SS:	86	0.050	111	113	1.66	85	85	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32937 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801111-001A	01/02/08 1:50 PM	01/04/08	01/07/08 9:15 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801111

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32986 Spiked Sample ID: 0801113-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	103	109	5.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	107	111	3.35	112	109	2.89	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94.3	98.7	4.54	92.6	93.1	0.596	70 - 130	30	70 - 130	30
Toluene	ND	0.10	82	84.5	2.87	82.9	83.5	0.709	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.5	98.6	2.15	93.2	95.6	2.60	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	92	93	1.08	91	91	0	70 - 130	30	70 - 130	30
%SS:	94	0.10	94	99	5.10	93	92	1.81	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801111-001A	01/02/08 1:50 PM	01/04/08	01/07/08 9:43 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801111

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33026** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	11	20	80.2	81.6	1.00	112	100	10.7	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.05	112	109	3.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801111-001A	01/02/08 1:50 PM	01/04/08	01/08/08 3:01 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801111

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801111-001A	01/02/08 1:50 PM	01/04/08	01/08/08 2:03 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801111

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33027** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	78	75.4	3.40	69.6	72.8	4.52	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	94.2	94.8	0.554	80.7	80.5	0.186	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	78.6	78.1	0.580	90.3	90.7	0.418	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	79.5	79	0.600	85	84.6	0.549	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	79.5	79.4	0.114	86.7	84.9	2.09	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	66	64.8	1.88	74.9	73.3	2.10	30 - 130	30	30 - 130	30
%SS1:	86	0.050	86	87	1.35	76	78	1.54	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	81	0.377	77	79	2.40	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33027 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801111-001A	01/02/08 1:50 PM	01/04/08	01/08/08 6:23 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801111

EPA Method 6020A **Extraction SW3050B** **BatchID: 32965** **Spiked Sample ID 0801033-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.61	50	98.9	99.1	0.120	10	104	108	4.06	70 - 130	20	80 - 120	20
Arsenic	9.2	50	94.2	95	0.690	10	97.2	101	3.46	70 - 130	20	80 - 120	20
Barium	38	500	95.7	96.6	0.810	100	95.6	99.6	4.14	70 - 130	20	80 - 120	20
Beryllium	ND	50	93.1	92	1.23	10	95.6	100	4.94	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	91.6	0	10	99	101	2.15	70 - 130	20	80 - 120	20
Chromium	180	50	72	82.2	2.38	10	98.7	101	2.39	70 - 130	20	80 - 120	20
Cobalt	1.2	50	94.9	94	0.929	10	102	105	3.19	70 - 130	20	80 - 120	20
Copper	40	50	90.6	90.7	0.0704	10	99.2	99.4	0.212	70 - 130	20	80 - 120	20
Lead	2.4	50	91.9	91.7	0.248	10	95.7	99.6	4.03	70 - 130	20	80 - 120	20
Mercury	ND	1.25	83.1	81.9	1.52	0.25	84.2	88	4.37	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.5	93.8	0.313	10	98.2	103	4.67	70 - 130	20	80 - 120	20
Nickel	21	50	92	92	0	10	98.4	98.5	0.142	70 - 130	20	80 - 120	20
Selenium	ND	50	91.1	92.7	1.76	10	95.5	97.7	2.33	70 - 130	20	80 - 120	20
Silver	ND	50	93.4	93	0.451	10	98.2	102	3.85	70 - 130	20	80 - 120	20
Thallium	ND	50	92.1	92.2	0.174	10	92.2	96.5	4.55	70 - 130	20	80 - 120	20
Vanadium	6.4	50	95.2	97.1	1.71	10	98.8	100	1.48	70 - 130	20	80 - 120	20
Zinc	38	500	93.6	93.9	0.296	100	99.2	103	3.46	70 - 130	20	80 - 120	20
%SS:	101	250	95	97	2.41	250	93	97	4.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32965 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801111-001A	01/02/08 1:50 PM	01/04/08	01/08/08 1:07 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	01/02/08
55 New Montgomery St, Ste 507		Date Received:	01/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	01/11/08
	Client P.O.:	Date Completed:	01/11/08

WorkOrder: 0801112

January 11, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

aew 080112

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 4 HOUR ☐ 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 1/3/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. [illegible] Project No.: 2007-014
Sampler: Signature: [illegible] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-113	Doyle Drive	1/2/09	16:00	1	SS		X				X				X	X	X	X	X	X		composite
AEW-114			16:05	1	SS		X				X											
AEW-115			16:10	1	SS		X				X											
AEW-116			16:15	1	SS		X				X											
AEW-117			16:20	1	SS		X				X											
AEW-118			16:25	1	SS		X				X											
AEW-120			16:35	1	SS		X				X											
AEW-121			16:40	1	SS		X				X											
AEW-123			16:50	1	SS		X				X											
AEW-125			17:00	1	SS		X				X											

ICE t° N/A
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___

Relinquished By:	Date:	Time:	Received By:
[illegible]	1/4/09		[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks: Composite all samples 10 → 1 for analyses

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801112 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **01/03/2008**
Date Printed: **01/07/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801112-001	Composite #12	Soil	1/2/08 4:00:00 PM	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Samples off hold 1/4/08

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **1/3/08 7:58:13 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801112** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801112

Lab ID	0801112-001A				Reporting Limit for DF =1	
Client ID	Composite #12					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	100					
Comments	o					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

AR Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/10/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801112

Lab ID	0801112-001A
Client ID	Composite #12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.20	4.0	0.05	Acrolein (Propenal)	ND<0.20	4.0	0.05
Acrylonitrile	ND<0.080	4.0	0.02	tert-Amyl methyl ether (TAME)	ND<0.020	4.0	0.005
Benzene	ND<0.020	4.0	0.005	Bromobenzene	ND<0.020	4.0	0.005
Bromochloromethane	ND<0.020	4.0	0.005	Bromodichloromethane	ND<0.020	4.0	0.005
Bromoform	ND<0.020	4.0	0.005	Bromomethane	ND<0.020	4.0	0.005
2-Butanone (MEK)	ND<0.080	4.0	0.02	t-Butyl alcohol (TBA)	ND<0.20	4.0	0.05
n-Butyl benzene	ND<0.020	4.0	0.005	sec-Butyl benzene	ND<0.020	4.0	0.005
tert-Butyl benzene	ND<0.020	4.0	0.005	Carbon Disulfide	ND<0.020	4.0	0.005
Carbon Tetrachloride	ND<0.020	4.0	0.005	Chlorobenzene	ND<0.020	4.0	0.005
Chloroethane	ND<0.020	4.0	0.005	2-Chloroethyl Vinyl Ether	ND<0.040	4.0	0.01
Chloroform	ND<0.020	4.0	0.005	Chloromethane	ND<0.020	4.0	0.005
2-Chlorotoluene	ND<0.020	4.0	0.005	4-Chlorotoluene	ND<0.020	4.0	0.005
Dibromochloromethane	ND<0.020	4.0	0.005	1,2-Dibromo-3-chloropropane	ND<0.016	4.0	0.004
1,2-Dibromoethane (EDB)	ND<0.016	4.0	0.004	Dibromomethane	ND<0.020	4.0	0.005
1,2-Dichlorobenzene	ND<0.020	4.0	0.005	1,3-Dichlorobenzene	ND<0.020	4.0	0.005
1,4-Dichlorobenzene	ND<0.020	4.0	0.005	Dichlorodifluoromethane	ND<0.020	4.0	0.005
1,1-Dichloroethane	ND<0.020	4.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.004
1,1-Dichloroethene	ND<0.020	4.0	0.005	cis-1,2-Dichloroethene	ND<0.020	4.0	0.005
trans-1,2-Dichloroethene	ND<0.020	4.0	0.005	1,2-Dichloropropane	ND<0.020	4.0	0.005
1,3-Dichloropropane	ND<0.020	4.0	0.005	2,2-Dichloropropane	ND<0.020	4.0	0.005
1,1-Dichloropropene	ND<0.020	4.0	0.005	cis-1,3-Dichloropropene	ND<0.020	4.0	0.005
trans-1,3-Dichloropropene	ND<0.020	4.0	0.005	Diisopropyl ether (DIPE)	ND<0.020	4.0	0.005
Ethylbenzene	ND<0.020	4.0	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.020	4.0	0.005
Freon 113	ND<0.40	4.0	0.1	Hexachlorobutadiene	ND<0.020	4.0	0.005
Hexachloroethane	ND<0.020	4.0	0.005	2-Hexanone	ND<0.020	4.0	0.005
Isopropylbenzene	ND<0.020	4.0	0.005	4-Isopropyl toluene	ND<0.020	4.0	0.005
Methyl-t-butyl ether (MTBE)	ND<0.020	4.0	0.005	Methylene chloride	ND<0.020	4.0	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.020	4.0	0.005	Naphthalene	0.41	4.0	0.005
Nitrobenzene	ND<0.40	4.0	0.1	n-Propyl benzene	ND<0.020	4.0	0.005
Styrene	ND<0.020	4.0	0.005	1,1,1,2-Tetrachloroethane	ND<0.020	4.0	0.005
1,1,2,2-Tetrachloroethane	ND<0.020	4.0	0.005	Tetrachloroethene	ND<0.020	4.0	0.005
Toluene	ND<0.020	4.0	0.005	1,2,3-Trichlorobenzene	ND<0.020	4.0	0.005
1,2,4-Trichlorobenzene	ND<0.020	4.0	0.005	1,1,1-Trichloroethane	ND<0.020	4.0	0.005
1,1,2-Trichloroethane	ND<0.020	4.0	0.005	Trichloroethene	ND<0.020	4.0	0.005
Trichlorofluoromethane	ND<0.020	4.0	0.005	1,2,3-Trichloropropane	ND<0.020	4.0	0.005
1,2,4-Trimethylbenzene	ND<0.020	4.0	0.005	1,3,5-Trimethylbenzene	ND<0.020	4.0	0.005
Vinyl Chloride	ND<0.020	4.0	0.005	Xylenes	ND<0.020	4.0	0.005

Surrogate Recoveries (%)

%SS1:	100	%SS2:	100
%SS3:	102		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801112

Lab ID	0801112-001A				Reporting Limit for DF =1	
Client ID	Composite #12					
Matrix	S					
DF	5				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	0.31				0.005	NA
Acenaphthylene	ND<0.025				0.005	NA
Anthracene	0.23				0.005	NA
Benzo(a)anthracene	0.10				0.005	NA
Benzo(a)pyrene	0.025				0.005	NA
Benzo(b)fluoranthene	0.035				0.005	NA
Benzo(g,h,i)perylene	ND<0.025				0.005	NA
Benzo(k)fluoranthene	0.032				0.005	NA
Chrysene	0.12				0.005	NA
Dibenzo(a,h)anthracene	ND<0.025				0.005	NA
Fluoranthene	0.48				0.005	NA
Fluorene	0.29				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.025				0.005	NA
1-Methylnaphthalene	0.12				0.005	NA
2-Methylnaphthalene	0.21				0.005	NA
Naphthalene	0.77				0.005	NA
Phenanthrene	0.95				0.005	NA
Pyrene	0.33				0.005	NA
Surrogate Recoveries (%)						
%SS1	89					
%SS2	88					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
55 New Montgomery St, Ste 507		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 01/08/08

CAM / CCR 17 Metals*

Lab ID	0801112-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #12					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801112

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.3				0.5	NA
Barium	44				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	31				0.5	NA
Cobalt	5.2				0.5	NA
Copper	8.7				0.5	NA
Lead	5.9				0.5	NA
Mercury	0.051				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	26				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	27				0.5	NA
Zinc	23				5.0	NA
%SS:	115					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
55 New Montgomery St, Ste 507		Date Received: 01/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/09/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801112

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #12	S	ND	ND	ND	ND	ND	ND	1	79

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/02/08
		Date Received: 01/03/08
	Client Contact: Randy Young	Date Extracted: 01/04/08
	Client P.O.:	Date Analyzed 01/08/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801112

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801112-001A	Composite #12	S	20,g,b	51	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801112

EPA Method SW8082A **Extraction SW3550C** **BatchID: 32937** **Spiked Sample ID: 0712782-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	97.4	101	3.28	101	101	0	70 - 130	20	70 - 130	20
%SS:	86	0.050	111	113	1.66	85	85	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32937 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801112-001A	01/02/08 4:00 PM	01/04/08	01/07/08 10:10 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801112

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 32986 Spiked Sample ID: 0801113-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	103	109	5.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	107	111	3.35	112	109	2.89	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94.3	98.7	4.54	92.6	93.1	0.596	70 - 130	30	70 - 130	30
Toluene	ND	0.10	82	84.5	2.87	82.9	83.5	0.709	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.5	98.6	2.15	93.2	95.6	2.60	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	92	93	1.08	91	91	0	70 - 130	30	70 - 130	30
%SS:	94	0.10	94	99	5.10	93	92	1.81	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801112-001A	01/02/08 4:00 PM	01/04/08	01/09/08 5:08 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801112

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33026** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	11	20	80.2	81.6	1.00	112	100	10.7	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.05	112	109	3.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801112-001A	01/02/08 4:00 PM	01/04/08	01/08/08 3:01 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801112

EPA Method SW8260B **Extraction SW5030B** **BatchID: 32897** **Spiked Sample ID: 0712896-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.4	99.4	3.01	105	105	0	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	110	0.352	117	117	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	81.3	81.6	0.336	80.6	85.7	6.10	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	96.7	97.6	0.938	103	103	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	86.4	89.4	3.33	96	96	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	95.1	97.7	2.71	103	104	0.705	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	127	127	0	129	128	0.486	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	119	122	2.04	127	127	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99	103	4.24	108	107	1.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.9	98.2	2.40	102	102	0	70 - 130	30	70 - 130	30
Toluene	ND	0.050	89.9	91.1	1.34	95.7	96.6	0.923	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	85.9	86	0.0763	89.6	90.4	0.879	70 - 130	30	70 - 130	30
%SS1:	91	0.050	103	101	2.27	92	90	2.34	70 - 130	30	70 - 130	30
%SS2:	97	0.050	92	93	0.763	93	92	0.941	70 - 130	30	70 - 130	30
%SS3:	103	0.050	96	95	0.888	98	97	1.51	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32897 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801112-001A	01/02/08 4:00 PM	01/04/08	01/10/08 11:08 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0801112

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33027** **Spiked Sample ID: 0801108-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	78	75.4	3.40	69.6	72.8	4.52	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	94.2	94.8	0.554	80.7	80.5	0.186	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	78.6	78.1	0.580	90.3	90.7	0.418	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	79.5	79	0.600	85	84.6	0.549	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	79.5	79.4	0.114	86.7	84.9	2.09	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	66	64.8	1.88	74.9	73.3	2.10	30 - 130	30	30 - 130	30
%SS1:	86	0.050	86	87	1.35	76	78	1.54	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	81	0.377	77	79	2.40	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33027 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801112-001A	01/02/08 4:00 PM	01/04/08	01/08/08 7:43 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801112

EPA Method 6020A **Extraction SW3050B** **BatchID: 32965** **Spiked Sample ID 0801033-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.61	50	98.9	99.1	0.120	10	104	108	4.06	70 - 130	20	80 - 120	20
Arsenic	9.2	50	94.2	95	0.690	10	97.2	101	3.46	70 - 130	20	80 - 120	20
Barium	38	500	95.7	96.6	0.810	100	95.6	99.6	4.14	70 - 130	20	80 - 120	20
Beryllium	ND	50	93.1	92	1.23	10	95.6	100	4.94	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	91.6	0	10	99	101	2.15	70 - 130	20	80 - 120	20
Chromium	180	50	72	82.2	2.38	10	98.7	101	2.39	70 - 130	20	80 - 120	20
Cobalt	1.2	50	94.9	94	0.929	10	102	105	3.19	70 - 130	20	80 - 120	20
Copper	40	50	90.6	90.7	0.0704	10	99.2	99.4	0.212	70 - 130	20	80 - 120	20
Lead	2.4	50	91.9	91.7	0.248	10	95.7	99.6	4.03	70 - 130	20	80 - 120	20
Mercury	ND	1.25	83.1	81.9	1.52	0.25	84.2	88	4.37	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.5	93.8	0.313	10	98.2	103	4.67	70 - 130	20	80 - 120	20
Nickel	21	50	92	92	0	10	98.4	98.5	0.142	70 - 130	20	80 - 120	20
Selenium	ND	50	91.1	92.7	1.76	10	95.5	97.7	2.33	70 - 130	20	80 - 120	20
Silver	ND	50	93.4	93	0.451	10	98.2	102	3.85	70 - 130	20	80 - 120	20
Thallium	ND	50	92.1	92.2	0.174	10	92.2	96.5	4.55	70 - 130	20	80 - 120	20
Vanadium	6.4	50	95.2	97.1	1.71	10	98.8	100	1.48	70 - 130	20	80 - 120	20
Zinc	38	500	93.6	93.9	0.296	100	99.2	103	3.46	70 - 130	20	80 - 120	20
%SS:	101	250	95	97	2.41	250	93	97	4.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 32965 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801112-001A	01/02/08 4:00 PM	01/04/08	01/08/08 1:15 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	01/28/08
55 New Montgomery St, Ste 507		Date Received:	01/30/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	02/08/08
	Client P.O.:	Date Completed:	02/08/08

WorkOrder: 0801748

February 08, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0801748[redacted]

02/01/2008 17:09 14153585598 AEW ENGINEERING PAGE 02/07

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 3

TURN AROUND TIME: 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Jon. LaMonte Project No.: 2007-014
Sampler: Signature: J. LaMonte Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-130	Doyle Drive	1/28/08	13:10	1	SS		X				X											
AEW-140			14:25	1	SS		X				X											
AEW-141			14:30	1	SS		X				X											10 → 1
AEW-142			14:35	1	SS		X				X											Composite
AEW-150			15:45	1	SS		X				X											
AEW-151			15:50	1	SS		X				X											Comp 14
AEW-152		1/28/08	15:55	1	SS		X				X											
AEW-156		1/31/08	13:00	1	SS		X				X											
AEW-157		1/31/08	13:10	1	SS		X				X											
AEW-168		2/1/08	08:55	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. LaMonte	2/1/08	10:50	[illegible]

Remarks:
ICE/t° 0.2
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O&G | METALS | OTHER

sample I.d's changed 2/5/08 per R.Y.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY:	2	48	24	
McCampbell	4HOURS	HOURS	HOURS	Normal

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMonte Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-126	Doyle Drive	1/28/08	13:00	1	SS		X				X									X		
AEW-127	↓	↓	13:05	1	SS		X				X									X		
AEW-128	↓	↓	13:10	1	SS		X				X									X		
AEW-129	↓	1/28/08	13:15	1	SS		X				X									X		Composite
AEW-158	↓	1/31/08	13:15	1	SS		X				X									X		12 → 1
AEW-159	↓	↓	13:25	1	SS		X				X									X		comp 13
AEW-160	↓	1/31/08	13:30	1	SS		X				X									X		
AEW-167	↓	2/1/08	08:45	1	SS		X				X									X		
AEW-169	↓	2/1/08	09:00	1	SS		X				X									X		
AEW-136	↓	1/28/08	14:00	1	SS		X				X									X		
AEW-154	↓	1/31/08	12:45	1	SS		X				X									X		
AEW-163	↓	1/31/08	14:00	1	SS		X				X									X		

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: J. [illegible] — Project No.: 2007-014
Sampler: Signature: [illegible] — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-131	Doyle Drive	1/22/08	13:25	1	SS		X				X											
AEW-132			13:30	1	SS		X				X											
AEW-133			13:40	1	SS		X				X											10→1
AEW-134			13:45	1	SS		X				X											Composite
AEW-137			14:05	1	SS		X				X											
AEW-138			14:10	1	SS		X				X											Comp 15
AEW-139			14:10	1	SS		X				X											
AEW-147			15:30	1	SS		X				X											
AEW-148			15:35	1	SS		X				X											
AEW-149		1/22/08	15:40	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
[illegible]	1/1/08	16:50	[illegible]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801748 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **01/30/2008**
Date Printed: **02/08/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801748-001	Composite #14	Soil	1/28/08 1:20:00	☐	A	A	A	A	A	A	A					
0801748-002	Composite #13	Soil	1/28/08 1:00:00	☐	A	A	A	A	A	A	A					
0801748-003	Composite #15	Soil	1/28/08 1:25:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: These samples are all on hold! Samples must be kept for 6 months. Samples off hold on 2/01/08 per fax.

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **01/30/08 3:15:14 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Angela Rydelius

WorkOrder N°: **0801748** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
	Client Contact: Randy Young	Date Extracted: 02/01/08
	Client P.O.:	Date Analyzed 02/04/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0801748

Lab ID	0801748-001A	0801748-002A	0801748-003A		Reporting Limit for DF =1	
Client ID	Composite #14	Composite #13	Composite #15			
Matrix	S	S	S			
DF	1	1	1		S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND	ND		0.025	NA
Aroclor1221	ND	ND	ND		0.025	NA
Aroclor1232	ND	ND	ND		0.025	NA
Aroclor1242	ND	ND	ND		0.025	NA
Aroclor1248	ND	ND	ND		0.025	NA
Aroclor1254	ND	ND	ND		0.025	NA
Aroclor1260	ND	ND	ND		0.025	NA
PCBs, total	ND	ND	ND		0.025	NA
Surrogate Recoveries (%)						
%SS:	98	96	93			
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 02/01/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 02/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801748

Lab ID	0801748-001A
Client ID	Composite #14
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.63	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	79	%SS2:	106
%SS3:	96		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 02/01/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 02/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801748

Lab ID	0801748-002A
Client ID	Composite #13
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	0.0094	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	79	%SS2:	106
%SS3:	93		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 02/01/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 02/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0801748

Lab ID	0801748-003A
Client ID	Composite #15
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.11	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	105	%SS2:	107
%SS3:	94		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
	Client Contact: Randy Young	Date Extracted: 02/01/08
	Client P.O.:	Date Analyzed 02/05/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0801748

Lab ID	0801748-001A	0801748-002A	0801748-003A		Reporting Limit for DF =1	
Client ID	Composite #14	Composite #13	Composite #15			
Matrix	S	S	S			
DF	1	1	1		S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND	0.0058		0.005	NA
Acenaphthylene	ND	ND	ND		0.005	NA
Anthracene	ND	ND	0.0065		0.005	NA
Benzo(a)anthracene	ND	ND	ND		0.005	NA
Benzo(a)pyrene	ND	ND	ND		0.005	NA
Benzo(b)fluoranthene	ND	ND	ND		0.005	NA
Benzo(g,h,i)perylene	ND	ND	ND		0.005	NA
Benzo(k)fluoranthene	ND	ND	ND		0.005	NA
Chrysene	ND	ND	ND		0.005	NA
Dibenzo(a,h)anthracene	ND	ND	ND		0.005	NA
Fluoranthene	ND	ND	0.017		0.005	NA
Fluorene	ND	ND	0.0070		0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND	ND		0.005	NA
1-Methylnaphthalene	ND	ND	ND		0.005	NA
2-Methylnaphthalene	ND	ND	ND		0.005	NA
Naphthalene	0.0059	ND	ND		0.005	NA
Phenanthrene	0.0081	ND	0.030		0.005	NA
Pyrene	ND	ND	0.013		0.005	NA
Surrogate Recoveries (%)						
%SS1	82	83	85			
%SS2	79	80	81			
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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		Date Received: 01/30/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 02/01/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 02/07/08

CAM / CCR 17 Metals*

Lab ID	0801748-001A	0801748-002A	0801748-003A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #14	Composite #13	Composite #15			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0801748

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	2.1	2.6	1.6		0.5	NA
Barium	51	49	38		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	41	50	30		0.5	NA
Cobalt	5.0	5.2	3.3		0.5	NA
Copper	8.7	7.4	4.9		0.5	NA
Lead	6.0	3.9	4.5		0.5	NA
Mercury	ND	ND	ND		0.05	NA
Molybdenum	ND	1.6	ND		0.5	NA
Nickel	24	31	19		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	ND	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	30	32	22		0.5	NA
Zinc	23	23	17		5.0	NA
%SS:	115	130	117			

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
55 New Montgomery St, Ste 507		Date Received: 01/30/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 02/01/08
	Client P.O.:	Date Analyzed 02/04/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801748

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #14	S	11,g	ND	ND	ND	ND	ND	1	77
002A	Composite #13	S	1.9,g	ND	ND	ND	ND	ND	1	78
003A	Composite #15	S	7.2,g	ND	ND	ND	ND	ND	1	79

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
	Client Contact: Randy Young	Date Extracted: 02/01/08
	Client P.O.:	Date Analyzed 02/04/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0801748

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0801748-001A	Composite #14	S	12,k/n,b	ND	1	97
0801748-002A	Composite #13	S	8.9,g,b,d	30	1	95
0801748-003A	Composite #15	S	14,k/n,b,g	11	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8082A **Extraction SW3550C** **BatchID: 33472** **Spiked Sample ID: 0801680-015A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	94.2	94.6	0.425	117	119	2.05	70 - 130	20	70 - 130	20
%SS:	122	0.050	121	122	0.960	113	114	1.08	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33472 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-001A	01/28/08 1:20 PM	02/01/08	02/04/08 2:37 PM	0801748-002A	01/28/08 1:00 PM	02/01/08	02/04/08 3:34 PM
0801748-003A	01/28/08 1:25 PM	02/01/08	02/04/08 4:31 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8260B **Extraction SW5030B** **BatchID: 33473** **Spiked Sample ID: 0801704-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	112	109	2.07	88.1	91.5	3.71	70 - 130	30	70 - 130	30
Benzene	ND	0.050	109	106	3.03	111	112	0.581	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	93.8	99	5.45	90.6	100	10.0	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	103	98.8	4.19	104	104	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	103	100	3.10	97.8	99.5	1.78	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	115	116	1.10	113	118	4.11	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	118	109	8.14	118	119	1.55	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	118	114	3.22	114	117	2.56	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	105	103	2.59	80.1	81.9	2.31	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	113	113	0	103	107	3.89	70 - 130	30	70 - 130	30
Toluene	ND	0.050	96.5	92	4.76	96.5	96.2	0.281	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	87.5	84.6	3.37	89.4	89.5	0.130	70 - 130	30	70 - 130	30
%SS1:	99	0.050	108	107	0.931	106	107	0.665	70 - 130	30	70 - 130	30
%SS2:	104	0.050	99	99	0	100	100	0	70 - 130	30	70 - 130	30
%SS3:	100	0.050	106	105	1.30	107	105	2.48	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33473 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-001A	01/28/08 1:20 PM	02/01/08	02/07/08 11:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8260B **Extraction SW5030B** **BatchID: 33592** **Spiked Sample ID: 0802067-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	96.6	98.7	2.16	88.9	92.8	4.23	70 - 130	30	70 - 130	30
Benzene	ND	0.050	118	120	1.84	103	105	1.76	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	91.3	97.1	6.12	85.1	92.4	8.25	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	120	122	1.33	110	110	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	114	117	2.77	104	106	1.85	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	102	102	0	93	101	7.98	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	112	112	0	87.7	97.2	10.2	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	112	115	2.33	97.8	107	8.56	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	113	115	1.89	101	108	6.98	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	113	117	3.37	103	108	4.56	70 - 130	30	70 - 130	30
Toluene	ND	0.050	112	114	1.29	100	103	2.25	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	105	106	0.977	93.4	95.8	2.54	70 - 130	30	70 - 130	30
%SS1:	99	0.050	96	96	0	98	97	0.446	70 - 130	30	70 - 130	30
%SS2:	99	0.050	100	100	0	100	100	0	70 - 130	30	70 - 130	30
%SS3:	105	0.050	99	99	0	99	101	2.02	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33592 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-002A	01/28/08 1:00 PM	02/01/08	02/07/08 1:34 PM	0801748-003A	01/28/08 1:25 PM	02/01/08	02/07/08 10:18 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8270C **Extraction SW3550C** **BatchID: 33591** **Spiked Sample ID: 0801748-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	104	105	0.715	90.3	91.8	1.58	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	116	114	1.29	108	109	1.43	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	119	123	2.90	123	122	0.151	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	116	118	1.73	110	112	1.86	30 - 130	30	30 - 130	30
Phenanthrene	0.030	0.10	95.4	98.1	2.12	115	116	0.871	30 - 130	30	30 - 130	30
Pyrene	0.013	0.10	106	108	0.989	104	105	0.831	30 - 130	30	30 - 130	30
%SS1:	85	0.050	82	84	2.21	81	83	1.50	30 - 130	30	30 - 130	30
%SS2:	81	0.050	79	81	2.40	79	80	1.22	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33591 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-001A	01/28/08 1:20 PM	02/01/08	02/05/08 4:15 AM	0801748-002A	01/28/08 1:00 PM	02/01/08	02/05/08 5:35 AM
0801748-003A	01/28/08 1:25 PM	02/01/08	02/05/08 10:54 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0801748

EPA Method 6020A **Extraction SW3050B** **BatchID: 33584** **Spiked Sample ID 0801502-204A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	103	106	2.40	10	98.8	101	2.03	70 - 130	20	80 - 120	20
Arsenic	5.6	50	97.9	101	2.61	10	98.8	99.4	0.535	70 - 130	20	80 - 120	20
Barium	63	500	98.3	101	2.04	100	95.4	98.7	3.31	70 - 130	20	80 - 120	20
Beryllium	ND	50	97.2	99	1.84	10	103	108	4.36	70 - 130	20	80 - 120	20
Cadmium	ND	50	101	104	2.66	10	95.4	101	5.36	70 - 130	20	80 - 120	20
Chromium	18	50	94.1	97.5	2.59	10	99.1	100	0.864	70 - 130	20	80 - 120	20
Cobalt	14	50	92.3	94.5	1.88	10	101	105	3.21	70 - 130	20	80 - 120	20
Copper	13	50	93.9	97.4	2.87	10	96.7	98.1	1.40	70 - 130	20	80 - 120	20
Lead	4.7	50	95.5	98.5	2.76	10	95.4	98.5	3.25	70 - 130	20	80 - 120	20
Mercury	ND	1.25	86.8	90.8	4.44	0.25	102	104	2.80	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.8	95.9	2.14	10	92.6	97.3	4.91	70 - 130	20	80 - 120	20
Nickel	21	50	91.6	95.9	3.18	10	97.9	99.6	1.69	70 - 130	20	80 - 120	20
Selenium	ND	50	101	106	4.81	10	89.3	94.1	5.28	70 - 130	20	80 - 120	20
Silver	ND	50	115	113	2.02	10	97.2	100	3.26	70 - 130	20	80 - 120	20
Thallium	ND	50	96.5	99.4	3.04	10	92.1	96.1	4.19	70 - 130	20	80 - 120	20
Vanadium	50	50	91.9	95.7	1.99	10	99.4	100	0.672	70 - 130	20	80 - 120	20
Zinc	20	500	98.1	101	2.38	100	95.6	98.3	2.85	70 - 130	20	80 - 120	20
%SS:	119	250	122	125	2.21	250	102	102	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33584 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-001A	01/28/08 1:20 PM	02/01/08	02/07/08 4:24 PM	0801748-002A	01/28/08 1:00 PM	02/01/08	02/07/08 4:32 PM
0801748-003A	01/28/08 1:25 PM	02/01/08	02/07/08 4:40 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 33532 Spiked Sample ID: 0801767-013A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	109	111	2.16	110	104	6.02	70 - 130	30	70 - 130	30
MTBE	ND	0.10	105	104	0.335	107	93.3	13.6	70 - 130	30	70 - 130	30
Benzene	ND	0.10	91.2	91.8	0.615	88.2	91	3.11	70 - 130	30	70 - 130	30
Toluene	ND	0.10	88.3	90.7	2.70	86	89.5	3.98	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	98.9	100	1.48	94.7	100	5.56	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	96.3	96.3	0	91.3	96	4.98	70 - 130	30	70 - 130	30
%SS:	85	0.10	87	91	3.57	87	92	6.10	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33532 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-001A	01/28/08 1:20 PM	02/01/08	02/04/08 2:38 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 33538 Spiked Sample ID: 0801771-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	102	103	0.824	108	102	5.70	70 - 130	30	70 - 130	30
MTBE	ND	0.10	91.4	92.4	1.17	98.2	84.6	14.8	70 - 130	30	70 - 130	30
Benzene	ND	0.10	93.1	90	3.35	94.2	86.3	8.73	70 - 130	30	70 - 130	30
Toluene	ND	0.10	92.9	84.8	9.11	94.1	86.2	8.74	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	102	94.6	7.91	105	96.4	8.14	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	96.7	91.3	5.67	103	91.3	12.3	70 - 130	30	70 - 130	30
%SS:	84	0.10	93	85	9.43	94	87	7.72	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33538 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-003A	01/28/08 1:25 PM	02/01/08	02/04/08 3:39 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 33554 Spiked Sample ID: 0801785-023A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	98.9	102	2.72	108	104	3.12	70 - 130	30	70 - 130	30
MTBE	ND	0.10	92.3	90.9	1.50	99.4	92.5	7.20	70 - 130	30	70 - 130	30
Benzene	ND	0.10	89.1	86	3.49	95.3	95	0.254	70 - 130	30	70 - 130	30
Toluene	0.0057	0.10	80.7	78.9	2.11	92.5	93.2	0.733	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	96.1	94.8	1.28	103	104	0.385	70 - 130	30	70 - 130	30
Xylenes	0.0056	0.30	90.1	90.5	0.362	96.7	103	6.67	70 - 130	30	70 - 130	30
%SS:	92	0.10	88	86	2.27	94	95	1.27	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33554 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-002A	01/28/08 1:00 PM	02/01/08	02/04/08 3:09 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33555** **Spiked Sample ID: 0801785-023A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	2.7	20	96.4	98.6	1.99	103	101	1.84	70 - 130	30	70 - 130	30
%SS:	115	50	115	116	1.07	112	114	1.22	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33555 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801748-001A	01/28/08 1:20 PM	02/01/08	02/04/08 4:24 PM	0801748-002A	01/28/08 1:00 PM	02/01/08	02/04/08 3:14 PM
0801748-003A	01/28/08 1:25 PM	02/01/08	02/04/08 9:45 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	01/28/08
55 New Montgomery St, Ste 507		Date Received:	01/30/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	02/08/08
	Client P.O.:	Date Completed:	02/26/08

WorkOrder: 0801748

February 26, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaPlante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Stic cr added 2/21/08 Sky	Other	Comments
AEW-126	Doyle Drive	1/28/08	13:00	1	SS		X				X												
AEW-127	↓	↓	13:05	1	SS		X				X												
AEW-128	↓	↓	13:10	1	SS		X				X												
AEW-129	↓	1/28/08	13:15	1	SS		X				X												Composite
AEW-158	↓	1/31/08	13:15	1	SS		X				X												12 → 1
AEW-159	↓	↓	13:25	1	SS		X				X												comp 13
AEW-160	↓	1/31/08	13:30	1	SS		X				X												
AEW-167	↓	2/1/08	08:45	1	SS		X				X												
AEW-169	↓	2/1/08	09:00	1	SS		X				X												
AEW-136	↓	1/28/08	14:00	1	SS		X				X												
AEW-154	↓	1/31/08	12:45	1	SS		X				X												
AEW-163	↓	1/31/08	14:00	1	SS		X				X												

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080174 A **ClientCode: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8400 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 01/30/2008
Date Add-On: 02/21/2008
Date Printed: 02/21/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0801748-002	Composite #13	Soil	1/28/08 1:00:00	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Stlc Cr added (002) 2/21/08 5 day per email

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 01/30/08
	Client Contact: Randy Young	Date Extracted: 02/21/08-02/23/08
	Client P.O.:	Date Analyzed 02/25/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0801748

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0801748-002A	Composite #13	S	WET	0.64	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0801748

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 33858** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	90.7	90	0.775	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33858 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0801748-002A	01/28/08 1:00 PM	02/21/08	02/25/08 12:36 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	01/28/08-02/01/08
55 New Montgomery St, Ste 507		Date Received:	02/01/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	02/08/08
	Client P.O.:	Date Completed:	02/08/08

WorkOrder: 0802032

February 08, 2008

Dear Randall:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0802032

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 3

TURN AROUND TIME: ☐ 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaMante Project No.: 2007-014
Sampler: Signature: J. LaMante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-143	Doyle Drive	1/28/08	15:10	1	SS		X				X											
AEW-144			15:15	1	SS		X				X											
AEW-145			15:20	1	SS		X				X											Composite
AEW-146		1/28/08	15:25	1	SS		X				X											10 → 1
AEW-153		1/31/08	12:35	1	SS		X				X											composite #1k
AEW-155			12:55	1	SS		X				X											
AEW-161			13:40	1	SS		X				X											
AEW-162			13:45	1	SS		X				X											
AEW-164			14:05	1	SS		X				X											
AEW-165		1/31/08	14:10	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. LaMante	2/1/08	16:50	[illegible]

Remarks:
ICE/t° 6.2
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB PRESERVED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER

client Id's changed 2/8/08 per R.Y.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-166	Doyle Drive	1/31/08	14:15	1	SS		X				X											
AEW-170	↓	2/1/08	09:05	1	SS		X				X											
AEW-171	↓	↓	09:10	1	SS		X				X											Composite
AEW-172	↓	↓	09:15	1	SS		X				X											10→1
AEW-173	↓	↓	09:25	1	SS		X				X											
AEW-174	↓	↓	09:30	1	SS		X				X											composite #17
AEW-175	↓	↓	09:35	1	SS		X				X											
AEW-176	↓	↓	09:45	1	SS		X				X											
AEW-177	↓	↓	09:50	1	SS		X				X											
AEW-178	↓	2/1/08	10:25	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: Jim LaMonte — Project No.: 2007-014
Sampler: Signature: [signature] — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-179	Doyle Drive	2/1/08	10:30	1	SS		X				X											
AEW-180			10:35	1	SS		X				X											
AEW-181			10:45	1	SS		X				X											Composite
AEW-182			10:50	1	SS		X				X											8 → 1
AEW-183			11:00	1	SS		X				X											
AEW-184			11:05	1	SS		X				X											composite #18
AEW-185			11:10	1	SS		X				X											
AEW-186		2/1/08	11:15	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0802032 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **02/01/2008**
Date Printed: **02/08/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0802032-001	Composite #16	Soil	1/28/08 3:10:00	☐	A	A	A	A								
0802032-002	Composite #17	Soil	1/31/08 2:15:00	☐	A	A	A	A								
0802032-003	Composite #18	Soil	2/1/08 10:30:00	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **02/01/08 8:22:24 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0802032** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08-02/01/08
55 New Montgomery St, Ste 507		Date Received: 02/01/08
	Client Contact: Randall Young	Date Extracted: 02/01/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 02/07/08

CAM / CCR 17 Metals*

Lab ID	0802032-001A	0802032-002A	0802032-003A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #16	Composite #17	Composite #18			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0802032

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	3.6	2.3	2.5		0.5	NA
Barium	120	66	88		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	73	200	180		0.5	NA
Cobalt	8.7	18	15		0.5	NA
Copper	19	15	16		0.5	NA
Lead	5.0	3.0	3.9		0.5	NA
Mercury	ND	ND	ND		0.05	NA
Molybdenum	1.1	0.70	0.81		0.5	NA
Nickel	61	260	220		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	ND	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	46	31	49		0.5	NA
Zinc	36	27	34		5.0	NA
%SS:	118	121	122			

Comments					

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08-02/01/08
55 New Montgomery St, Ste 507		Date Received: 02/01/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 02/01/08
	Client P.O.:	Date Analyzed 02/04/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0802032

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #16	S	15,g	ND	ND	ND	ND	ND	1	85
002A	Composite #17	S	45,g	ND	ND	ND	ND	ND	1	77
003A	Composite #18	S	26,g	ND	ND	ND	ND	ND	1	81

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08-02/01/08
		Date Received: 02/01/08
	Client Contact: Randall Young	Date Extracted: 02/01/08
	Client P.O.:	Date Analyzed 02/04/08-02/05/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0802032

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0802032-001A	Composite #16	S	170,k/n,g	25	1	107
0802032-002A	Composite #17	S	350,k/n	22	1	107
0802032-003A	Composite #18	S	150,k/n	14	1	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0802032

EPA Method 6020A **Extraction SW3050B** **BatchID: 33584** **Spiked Sample ID 0801502-204A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	103	106	2.40	10	98.8	101	2.03	70 - 130	20	80 - 120	20
Arsenic	5.6	50	97.9	101	2.61	10	98.8	99.4	0.535	70 - 130	20	80 - 120	20
Barium	63	500	98.3	101	2.04	100	95.4	98.7	3.31	70 - 130	20	80 - 120	20
Beryllium	ND	50	97.2	99	1.84	10	103	108	4.36	70 - 130	20	80 - 120	20
Cadmium	ND	50	101	104	2.66	10	95.4	101	5.36	70 - 130	20	80 - 120	20
Chromium	18	50	94.1	97.5	2.59	10	99.1	100	0.864	70 - 130	20	80 - 120	20
Cobalt	14	50	92.3	94.5	1.88	10	101	105	3.21	70 - 130	20	80 - 120	20
Copper	13	50	93.9	97.4	2.87	10	96.7	98.1	1.40	70 - 130	20	80 - 120	20
Lead	4.7	50	95.5	98.5	2.76	10	95.4	98.5	3.25	70 - 130	20	80 - 120	20
Mercury	ND	1.25	86.8	90.8	4.44	0.25	102	104	2.80	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	93.8	95.9	2.14	10	92.6	97.3	4.91	70 - 130	20	80 - 120	20
Nickel	21	50	91.6	95.9	3.18	10	97.9	99.6	1.69	70 - 130	20	80 - 120	20
Selenium	ND	50	101	106	4.81	10	89.3	94.1	5.28	70 - 130	20	80 - 120	20
Silver	ND	50	115	113	2.02	10	97.2	100	3.26	70 - 130	20	80 - 120	20
Thallium	ND	50	96.5	99.4	3.04	10	92.1	96.1	4.19	70 - 130	20	80 - 120	20
Vanadium	50	50	91.9	95.7	1.99	10	99.4	100	0.672	70 - 130	20	80 - 120	20
Zinc	20	500	98.1	101	2.38	100	95.6	98.3	2.85	70 - 130	20	80 - 120	20
%SS:	119	250	122	125	2.21	250	102	102	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33584 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0802032-001A	01/28/08 3:10 PM	02/01/08	02/07/08 8:07 PM	0802032-002A	01/31/08 2:15 PM	02/01/08	02/07/08 8:56 AM
0802032-002A	01/31/08 2:15 PM	02/01/08	02/07/08 8:15 PM	0802032-003A	)2/01/08 10:30 AM	02/01/08	02/07/08 9:04 AM
0802032-003A	)2/01/08 10:30 AM	02/01/08	02/07/08 8:23 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0802032

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 33538 Spiked Sample ID: 0801771-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	102	103	0.824	108	102	5.70	70 - 130	30	70 - 130	30
MTBE	ND	0.10	91.4	92.4	1.17	98.2	84.6	14.8	70 - 130	30	70 - 130	30
Benzene	ND	0.10	93.1	90	3.35	94.2	86.3	8.73	70 - 130	30	70 - 130	30
Toluene	ND	0.10	92.9	84.8	9.11	94.1	86.2	8.74	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	102	94.6	7.91	105	96.4	8.14	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	96.7	91.3	5.67	103	91.3	12.3	70 - 130	30	70 - 130	30
%SS:	84	0.10	93	85	9.43	94	87	7.72	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33538 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0802032-001A	01/28/08 3:10 PM	02/01/08	02/04/08 7:14 PM	0802032-002A	01/31/08 2:15 PM	02/01/08	02/04/08 7:44 PM
0802032-003A	02/01/08 10:30 AM	02/01/08	02/04/08 8:15 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0802032

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33555** **Spiked Sample ID: 0801785-023A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	2.7	20	96.4	98.6	1.99	103	101	1.84	70 - 130	30	70 - 130	30
%SS:	115	50	115	116	1.07	112	114	1.22	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33555 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0802032-001A	01/28/08 3:10 PM	02/01/08	02/04/08 9:14 PM	0802032-002A	01/31/08 2:15 PM	02/01/08	02/05/08 1:51 AM
0802032-003A	02/01/08 10:30 AM	02/01/08	02/05/08 2:59 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	01/28/08-02/01/08
55 New Montgomery St, Ste 507		Date Received:	02/01/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	02/26/08
	Client P.O.:	Date Completed:	02/26/08

WorkOrder: 0802032

February 26, 2008

Dear Randall:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0802032

02/01/2008 17:09 14153585598 AEW ENGINEERING PAGE 05/07

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 3

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: J. LaMante — Project No.: 2007-014
Sampler: Signature: [signature] — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	SHC CR added 2 jobs per email	Other	Comments
AEW-143	Doyle Drive	1/29/08	15:10	1	SS		X				X												
AEW-144			15:15	1	SS		X				X												
AEW-145			15:20	1	SS		X				X												Composite
AEW-146		1/28/08	15:25	1	SS		X				X												10 → 1
AEW-153		1/31/08	12:35	1	SS		X				X												composite #16
AEW-155			12:55	1	SS		X				X												
AEW-161			13:40	1	SS		X				X												
AEW-162			13:45	1	SS		X				X												
AEW-164			14:05	1	SS		X				X												
AEW-165		1/31/08	14:10	1	SS		X				X												

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]

Remarks:
ICE/t° 6.2 ✓
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓ PRESERVED IN LAB ✓
DECHLORINATED IN LAB ✓
PRESERVATION: VOAS | O&G | METALS | OTHER

client Id's changed 2/8/08 per R.Y.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	STLC Ni, Cr, Pb	TCLP Cr	Other	Comments
AEW-166	Doyle Drive	1/31/08	14:15	1	SS		X				X						X							
AEW-170		2/1/08	09:05	1	SS		X				X						X							
AEW-171			09:10	1	SS		X				X						X							Composite
AEW-172			09:15	1	SS		X				X						X							10 -> 1
AEW-173			09:25	1	SS		X				X						X							
AEW-174			09:30	1	SS		X				X						X							composite #17
AEW-175			09:35	1	SS		X				X						X							
AEW-176			09:45	1	SS		X				X						X							
AEW-177			09:50	1	SS		X				X						X							
AEW-178		2/1/08	10:25	1	SS		X				X						X							

Analysis Request: STLC Ni, Cr, Pb added 2/2/08; TCLP Cr added 2/2/08

Other

Comments

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 2/1/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMonte Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	STLC Ni, Cr added 2/20/08	TCLP Cr added 2/20/08	Other	Comments
AEW-179	Doyle Drive	2/1/08	10:30	1	SS		X				X													
AEW-180			10:35	1	SS		X				X													
AEW-181			10:45	1	SS		X				X													Composite
AEW-182			10:50	1	SS		X				X													8→1
AEW-183			11:00	1	SS		X				X													
AEW-184			11:05	1	SS		X				X													composite #18
AEW-185			11:10	1	SS		X				X													
AEW-186		2/1/08	11:15	1	SS		X				X													

Relinquished By:	Date:	Time:	Received By:
[signature]	2/1/08	16:50	[signature]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080203 A **ClientCode: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8400 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 02/01/2008
Date Add-On: 02/20/2008
Date Printed: 02/20/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0802032-001	Composite #16	Soil	1/28/08 3:10:00	☐	A											
0802032-002	Composite #17	Soil	1/31/08 2:15:00	☐	A	A										
0802032-003	Composite #18	Soil	2/1/08 10:30:00	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Stlc and Tclp added 2/20/08 per email 5 day

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/28/08
		Date Received: 02/01/08
	Client Contact: Randall Young	Date Extracted: 02/20/08-02/22/08
	Client P.O.:	Date Analyzed 02/25/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0802032

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0802032-001A	Composite #16	S	WET	0.80	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/31/08-02/01/08
55 New Montgomery St, Ste 507		Date Received: 02/01/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 02/20/08-02/22/08
	Client P.O.:	Date Analyzed: 02/25/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0802032

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
002A	Composite #17	S	WET	2.3	9.7	1	N/A
003A	Composite #18	S	WET	2.0	8.0	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 01/31/08-02/01/08
		Date Received: 02/01/08
	Client Contact: Randall Young	Date Extracted: 02/20/08-02/21/08
	Client P.O.:	Date Analyzed 02/21/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0802032

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0802032-002A	Composite #17	S	TCLP	ND	1	N/A
0802032-003A	Composite #18	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0802032

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 33858** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	90.7	90	0.775	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	93.3	92.6	0.796	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33858 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802032-001A	01/28/08 3:10 PM	02/20/08	02/25/08 8:37 PM	0802032-002A	01/31/08 2:15 PM	02/20/08	02/25/08 8:42 PM
0802032-003A	02/01/08 10:30 AM	02/20/08	02/25/08 8:46 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0802032

EPA Method SW6010C **Extraction SW1311** **BatchID: 33814** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	93.7	92	1.86	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33814 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802032-002A	01/31/08 2:15 PM	02/20/08	02/21/08 4:19 PM	0802032-003A	02/01/08 10:30 AM	02/20/08	02/21/08 4:23 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	02/04/08
55 New Montgomery St, Ste 507		Date Received:	02/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	02/11/08
	Client P.O.:	Date Completed:	02/11/08

WorkOrder: 0802077

February 11, 2008

Dear Randy:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW 0802077

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 2/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMante Project No.: 2007-014

Sampler: Signature: J. LaMante Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-187	Doyle Drive	2/4/08	11:50	1	SS		X				X						X					
AEW-188			11:55	1	SS		X				X											Composite
AEW-189			12:00	1	SS		X				X											10 → 1
AEW-190			12:10	1	SS		X				X											
AEW-191			12:15	1	SS		X				X											composite #19
AEW-192			12:25	1	SS		X				X											
AEW-193			12:35	1	SS		X				X											
AEW-194			12:40	1	SS		X				X											
AEW-195			12:50	1	SS		X				X											
AEW-196			12:55	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. LaMante	2/5/08	12:00	
	2/5/08	2:45	

Remarks: ICE / t° 13.02 ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ___ DECHLORINATED IN LAB ___ PRESERVED IN LAB ___ APPROPRIATE CONTAINERS ✓ PRESERVATION VOAS | O & G | METALS | OTHER

sample Ids charged 2/8/08 per p.y.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 2/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMante Project No.: 2007-014
Sampler: Signature: J. LaMante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-197	Doyle Drive	2/4/08	13:00	1	SS		X				X						X					
AEW-198			13:05	1	SS		X				X											Composite
AEW-199			13:10	1	SS		X				X											10→1
AEW-200			14:00	1	SS		X				X											
AEW-201			14:05	1	SS		X				X											composite #20
AEW-202			14:10	1	SS		X				X											
AEW-203			14:20	1	SS		X				X											
AEW-204			14:30	1	SS		X				X											
AEW-205			14:35	1	SS		X				X											
AEW-206			14:45	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. LaMante	2/5/08	12:00	
	2/5/08	2:45	Mel Vall

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0802077 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **02/05/2008**
Date Printed: **02/08/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0802077-001	Composite #19	Soil	2/4/08 11:50:00	☐	A	A	A	A								
0802077-002	Composite #20	Soil	2/4/08 1:00:00 PM	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **2/5/08 4:08:14 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0802077** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 13°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 02/04/08
55 New Montgomery St, Ste 507		Date Received: 02/05/08
	Client Contact: Randy Young	Date Extracted: 02/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 02/07/08-02/08/08

CAM / CCR 17 Metals*

Lab ID	0802077-001A	0802077-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #19	Composite #20				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0802077

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	2.8	3.5			0.5	NA
Barium	47	57			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	240	98			0.5	NA
Cobalt	21	11			0.5	NA
Copper	42	18			0.5	NA
Lead	3.3	4.4			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	3.8	0.67			0.5	NA
Nickel	380	110			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	31	40			0.5	NA
Zinc	31	32			5.0	NA
%SS:	124	121				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 02/04/08
55 New Montgomery St, Ste 507		Date Received: 02/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 02/05/08
	Client P.O.:	Date Analyzed 02/06/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0802077

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #19	S	37,g	ND	ND	ND	ND	ND	1	77
002A	Composite #20	S	64,g	ND	ND	ND	ND	ND	1	80

Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 02/04/08
		Date Received: 02/05/08
	Client Contact: Randy Young	Date Extracted: 02/05/08
	Client P.O.:	Date Analyzed 02/05/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0802077

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0802077-001A	Composite #19	S	81,k/n,g	20	1	96
0802077-002A	Composite #20	S	670,k/n	14	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0802077

EPA Method 6020A **Extraction SW3050B** **BatchID: 33595** **Spiked Sample ID 0802035-012A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.57	50	103	105	1.51	10	105	104	1.72	70 - 130	20	80 - 120	20
Arsenic	8.4	50	92.1	99.7	6.74	10	93.1	94.2	1.12	70 - 130	20	80 - 120	20
Barium	300	500	89.4	99.7	6.62	100	95.9	95.4	0.470	70 - 130	20	80 - 120	20
Beryllium	0.53	50	89.8	94.7	5.25	10	100	99.3	0.902	70 - 130	20	80 - 120	20
Cadmium	0.27	50	95.1	102	6.69	10	97.6	97.8	0.266	70 - 130	20	80 - 120	20
Chromium	64	50	72	83.8	5.71	10	97.4	98.6	1.22	70 - 130	20	80 - 120	20
Cobalt	15	50	87.6	95.2	6.20	10	94.8	95.2	0.453	70 - 130	20	80 - 120	20
Copper	40	50	81.3	92.5	6.68	10	95.6	96.6	1.04	70 - 130	20	80 - 120	20
Lead	9.8	50	92	101	7.35	10	97.1	96.4	0.754	70 - 130	20	80 - 120	20
Mercury	ND	1.25	102	101	0.949	0.25	86.3	85.8	0.558	70 - 130	20	80 - 120	20
Molybdenum	0.91	50	93.4	100	6.74	10	89.3	89.7	0.503	70 - 130	20	80 - 120	20
Nickel	83	50	71.3	88.5	6.99	10	94	94.8	0.858	70 - 130	20	80 - 120	20
Selenium	ND	50	94.5	100	6.02	10	93.7	91.9	1.94	70 - 130	20	80 - 120	20
Silver	2.1	50	122	117	3.51	10	109	107	1.58	70 - 130	20	80 - 120	20
Thallium	ND	50	93.7	101	7.79	10	90.2	91	0.916	70 - 130	20	80 - 120	20
Vanadium	50	50	77	87.8	5.90	10	97	98.2	1.22	70 - 130	20	80 - 120	20
Zinc	79	500	93.2	99.3	5.43	100	96.5	96.2	0.270	70 - 130	20	80 - 120	20
%SS:	126	250	115	122	6.22	250	104	104	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33595 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0802077-001A	02/04/08 11:50 AM	02/05/08	02/07/08 1:28 AM	0802077-001A	02/04/08 11:50 AM	02/05/08	02/08/08 9:51 PM
0802077-002A	02/04/08 1:00 PM	02/05/08	02/07/08 1:36 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0802077

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 33630 Spiked Sample ID: 0802085-005A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	99.1	95.2	3.99	99.1	101	2.20	70 - 130	30	70 - 130	30
MTBE	ND	0.10	89.5	95.5	6.49	99	105	6.22	70 - 130	30	70 - 130	30
Benzene	ND	0.10	87.4	92.2	5.28	88.4	94.2	6.27	70 - 130	30	70 - 130	30
Toluene	ND	0.10	105	107	1.87	107	113	5.52	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	108	107	0.342	104	108	4.66	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	118	118	0	113	120	5.71	70 - 130	30	70 - 130	30
%SS:	108	0.10	97	98	0.621	95	100	5.06	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33630 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802077-001A	02/04/08 11:50 AM	02/05/08	02/06/08 7:55 AM	0802077-002A	02/04/08 1:00 PM	02/05/08	02/06/08 8:25 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0802077

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 33555** **Spiked Sample ID: 0801785-023A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	2.7	20	96.4	98.6	1.99	103	101	1.84	70 - 130	30	70 - 130	30
%SS:	115	50	115	116	1.07	112	114	1.22	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33555 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802077-001A	02/04/08 11:50 AM	02/05/08	02/05/08 8:37 PM	0802077-002A	02/04/08 1:00 PM	02/05/08	02/05/08 9:47 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	02/04/08
55 New Montgomery St, Ste 507		Date Received:	02/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	02/26/08
	Client P.O.:	Date Completed:	02/26/08

WorkOrder: 0802077

February 26, 2008

Dear Randy:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

AEW 0802077

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 2

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 2/4/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: Joe LaMante — Project No.: 2007-014
Sampler: Signature: [signature] — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	STLC CR Ni added 2/20/08	TCLP CR added 2/20/08	STLC CR added 2/20/08	Other	Comments
AEW-187	Doyle Drive	2/4/08	11:50	1	SS		X				X						X				X	X			
AEW-188			11:55	1	SS		X				X														Composite
AEW-189			12:00	1	SS		X				X														10 → 1
AEW-190			12:10	1	SS		X				X														
AEW-191			12:15	1	SS		X				X														composite #19
AEW-192			12:25	1	SS		X				X														
AEW-193			12:35	1	SS		X				X														
AEW-194			12:40	1	SS		X				X														
AEW-195			12:50	1	SS		X				X														
AEW-196			12:55	1	SS		X				X														

Relinquished By:	Date:	Time:	Received By:
[signature]	2/5/08	12:00	[signature]
	2/5/08	2:45	[signature]

Remarks: ICE / t° 13.0C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ____ PRESERVED IN LAB ____
DECHLORINATED IN LAB ____
PRESERVATION ____ VOAS ____ O & G ____ METALS ____ OTHER ____

sample ids changed 2/8/08 per p.y.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 2 4HOURS ☐ 48 HOURS 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 2/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaPlante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	STLC or added 2 plus Zinc	Other	Comments
AEW-197	Doyle Drive	2/4/08	13:00	1	SS		X				X												
AEW-198			13:05	1	SS		X				X												Composite
AEW-199			13:10	1	SS		X				X												10→1
AEW-200			14:00	1	SS		X				X												
AEW-201			14:05	1	SS		X				X												composite #20
AEW-202			14:10	1	SS		X				X												
AEW-203			14:20	1	SS		X				X												
AEW-204			14:30	1	SS		X				X												
AEW-205			14:35	1	SS		X				X												
AEW-206			14:45	1	SS		X				X												

Relinquished By:	Date:	Time:	Received By:
[signature]	2/5/08	12:00	[signature]
Relinquished By:	Date:	Time:	Received By:
[signature]	2/5/08	1:25	[signature]
Relinquished By:	Date:	Time:	Received By:

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080207 A **ClientCode: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8400 FAX: (415) 358-5598
ProjectNo: #2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 02/05/2008
Date Add-On: 02/20/2008
Date Printed: 02/20/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0802077-001	Composite #19	Soil	2/4/08 11:50:00	☐	A	A										
0802077-002	Composite #20	Soil	2/4/08 1:00:00 PM	☐	A											

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Stlc and Tclp added 2/20/08 per email 5 day

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 02/04/08
55 New Montgomery St, Ste 507		Date Received: 02/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 02/20/08-02/22/08
	Client P.O.:	Date Analyzed: 02/25/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0802077

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #19	S	WET	4.5	10	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 02/04/08
		Date Received: 02/05/08
	Client Contact: Randy Young	Date Extracted: 02/20/08-02/22/08
	Client P.O.:	Date Analyzed 02/25/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0802077

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0802077-002A	Composite #20	S	WET	0.43	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 02/04/08
		Date Received: 02/05/08
	Client Contact: Randy Young	Date Extracted: 02/20/08-02/21/08
	Client P.O.:	Date Analyzed 02/21/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0802077

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0802077-001A	Composite #19	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0802077

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 33858** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	90.7	90	0.775	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	93.3	92.6	0.796	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33858 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802077-001A	02/04/08 11:50 AM	02/20/08	02/25/08 8:51 PM	0802077-002A	02/04/08 1:00 PM	02/20/08	02/25/08 8:56 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0802077

EPA Method SW6010C **Extraction SW1311** **BatchID: 33884** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	92.9	91.8	1.25	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 33884 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802077-001A	02/04/08 11:50 AM	02/20/08	02/21/08 4:14 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled:	03/17/08
55 New Montgomery St, Ste 507		Date Received:	03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	03/25/08
	Client P.O.:	Date Completed:	03/25/08

WorkOrder: 0803445

March 25, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

080344S

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 3/18/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lenhart Project No.: 2007-014
Sampler: Signature: J. Lenhart Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-209	Doyle Drive	3/17/08	17:50	1	SS		X				X											composite #21
AEW-210			17:55	1	SS		X				X											
AEW-212			18:10	1	SS		X				X											
AEW-214			18:20	1	SS		X				X											
AEW-216			18:35	1	SS		X				X											
AEW-217			18:40	1	SS		X				X											
AEW-218			18:45	1	SS		X				X											
AEW-221			19:00	1	SS		X				X											
AEW-222			19:05	1	SS		X				X											
AEW-224			19:15	1	SS		X				X											
AEW-225		3/17/08	19:20	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. Lenhart	3/18/08	110	
	3/18/08	330	

Remarks:

ICE/t° 5.4
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

PRESERVATION: VOAS | O&G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803445 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: 2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **03/18/2008**
Date Printed: **03/18/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803445-001	Composite 21	Soil	3/17/2008 5:50:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/18/2008 4:21:05 PM**

Project Name: **2007-014; Doyle Drive**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803445** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/21/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0803445

Lab ID	0803445-001A				Reporting Limit for DF =1	
Client ID	Composite 21					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	102					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
		Date Received: 03/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 03/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/25/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803445

Lab ID	0803445-001A
Client ID	Composite 21
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.20	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	97	%SS2:	107
%SS3:	---#		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/24/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0803445

Lab ID	0803445-001A				Reporting Limit for DF =1	
Client ID	Composite 21					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	74					
%SS2	76					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
	Client Contact: Randall Young	Date Extracted: 03/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/20/08

CAM / CCR 17 Metals*

Lab ID	0803445-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 21					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803445

Dilution Factor	1				1	1
Antimony	0.54				0.5	NA
Arsenic	2.0				0.5	NA
Barium	34				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	33				0.5	NA
Cobalt	4.4				0.5	NA
Copper	6.8				0.5	NA
Lead	3.9				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	26				0.5	NA
Selenium	ND				0.5	NA
Silver	0.51				0.5	NA
Thallium	ND				0.5	NA
Vanadium	28				0.5	NA
Zinc	21				5.0	NA
%SS:	117					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/20/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803445

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 21	S	7.6,g	ND	ND	ND	ND	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/19/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803445

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803445-001A	Composite 21	S	20,g,k/n	63	1	115

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803445

EPA Method: SW8082A **Extraction: SW3550C** **BatchID: 34417** **Spiked Sample ID: 0803377-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	99.5	102	2.40	94.9	95.2	0.279	70 - 130	20	70 - 130	20
%SS:	91	0.050	95	97	2.27	94	93	0.724	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34417 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803445-001A	03/17/08 5:50 PM	03/18/08	03/21/08 4:23 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

SLA QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803445

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34452** **Spiked Sample ID: 0803480-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	87	88	1.13	86.4	87.9	1.62	60 - 130	30	60 - 130	30
Benzene	ND	0.050	79	74.8	5.37	75	79.1	5.34	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	117	120	2.35	107	104	3.04	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	83.6	79.4	5.19	79.2	81.2	2.44	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	85.4	85.1	0.393	80.2	83.9	4.54	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	118	115	2.91	107	116	7.74	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	86.6	82.4	4.91	81.6	84.5	3.53	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	92.1	91.5	0.691	89.8	92.6	3.07	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	79.1	78.6	0.730	107	112	4.58	60 - 130	30	60 - 130	30
Toluene	ND	0.050	82	76.5	7.02	78.5	81.4	3.70	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	77.7	70.3	10.1	73.9	75.7	2.40	60 - 130	30	60 - 130	30
%SS1:	102	0.050	110	111	0.987	106	106	0	70 - 130	30	70 - 130	30
%SS2:	99	0.050	101	101	0	100	102	1.43	70 - 130	30	70 - 130	30
%SS3:	98	0.050	105	108	3.11	108	108	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34452 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803445-001A	03/17/08 5:50 PM	03/18/08	03/25/08 1:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803445

EPA Method SW8270C **Extraction SW3550C** **BatchID: 34451** **Spiked Sample ID: 0803441-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.025	0.10	85.8	94.5	9.59	87.9	87	0.995	30 - 130	30	30 - 130	30
Chrysene	ND<0.025	0.10	124	129	3.79	96.4	96.6	0.192	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.025	0.10	110	113	3.01	118	118	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.025	0.10	109	111	1.61	108	111	2.56	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.025	0.10	107	108	1.65	98.6	97.9	0.728	30 - 130	30	30 - 130	30
Pyrene	ND<0.025	0.10	90.1	90.7	0.636	90.4	90.2	0.211	30 - 130	30	30 - 130	30
%SS1:	85	0.050	81	81	0	73	73	0	30 - 130	30	30 - 130	30
%SS2:	75	0.050	75	77	2.09	80	78	1.76	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34451 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803445-001A	03/17/08 5:50 PM	03/18/08	03/24/08 5:35 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803445

EPA Method 6020A **Extraction SW3050B** **BatchID: 34410** **Spiked Sample ID 0803414-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	94.4	97.5	3.24	10	97.4	99.2	1.88	70 - 130	20	80 - 120	20
Arsenic	2.6	50	88.2	92.7	4.70	10	91.3	92.3	1.05	70 - 130	20	80 - 120	20
Barium	90	500	98.2	101	2.33	100	102	103	0.488	70 - 130	20	80 - 120	20
Beryllium	ND	50	95.3	96.1	0.915	10	104	105	1.05	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	94.3	2.87	10	95.9	97.4	1.51	70 - 130	20	80 - 120	20
Chromium	18	50	83.8	88.2	3.63	10	90.9	92.1	1.38	70 - 130	20	80 - 120	20
Cobalt	6.2	50	88.9	92.1	3.11	10	99.9	99.9	0	70 - 130	20	80 - 120	20
Copper	23	50	83.5	89	4.13	10	90.2	91.4	1.25	70 - 130	20	80 - 120	20
Lead	7.0	50	90.9	94.4	3.30	10	97.7	99.3	1.62	70 - 130	20	80 - 120	20
Mercury	ND	1.25	89.1	92.5	3.63	0.25	97.4	97.4	0	70 - 130	20	80 - 120	20
Molybdenum	0.77	50	94	97.1	3.17	10	98.4	99.1	0.699	70 - 130	20	80 - 120	20
Nickel	13	50	84	88.5	4.04	10	89.6	91	1.64	70 - 130	20	80 - 120	20
Selenium	ND	50	91	94.5	3.73	10	94.3	95.4	1.20	70 - 130	20	80 - 120	20
Silver	0.95	50	91	93.4	2.53	10	97.4	98	0.573	70 - 130	20	80 - 120	20
Thallium	ND	50	92	95.4	3.59	10	95.2	97.4	2.29	70 - 130	20	80 - 120	20
Vanadium	38	50	83.6	90.4	4.17	10	92.1	94.1	2.08	70 - 130	20	80 - 120	20
Zinc	45	500	89.5	93.7	4.16	100	101	101	0	70 - 130	20	80 - 120	20
%SS:	96	250	94	97	3.73	250	93	94	0.429	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34410 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803445-001A	03/17/08 5:50 PM	03/18/08	03/20/08 12:09 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803445

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34424 Spiked Sample ID: 0803411-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	93.5	89.2	4.73	106	103	3.49	70 - 130	20	70 - 130	20
MTBE	ND	0.10	101	96.1	5.45	107	103	4.37	70 - 130	20	70 - 130	20
Benzene	ND	0.10	97.4	96.4	1.12	109	111	2.07	70 - 130	20	70 - 130	20
Toluene	ND	0.10	87.2	84.1	3.34	101	104	3.42	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	99.3	96.4	3.03	108	112	3.76	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	95.3	91.8	3.68	104	106	2.58	70 - 130	20	70 - 130	20
%SS:	98	0.10	89	89	0	99	102	3.02	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34424 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803445-001A	03/17/08 5:50 PM	03/18/08	03/20/08 1:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803445

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34415** **Spiked Sample ID: 0803377-013A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	108	1.66	101	102	1.81	70 - 130	30	70 - 130	30
%SS:	116	50	117	117	0	115	117	1.36	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34415 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803445-001A	03/17/08 5:50 PM	03/18/08	03/19/08 6:51 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled:	03/17/08
55 New Montgomery St, Ste 507		Date Received:	03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	03/25/08
	Client P.O.:	Date Completed:	03/25/08

WorkOrder: 0803441

March 25, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803441

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 3/19/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Lal Project No.: 2007-014

Sampler: Signature: J. Lal Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-207	Doyle Drive	3/17/08	17:30	1	SS		X				X											
AEW-208			17:40	1	SS		X				X											
AEW-211			18:00	1	SS		X				X											
AEW-213		3/17/08	18:15	1	SS		X				X											
AEW-227		3/19/08	08:30	1	SS		X				X											Composite 22
AEW-231			09:00	1	SS		X				X											
AEW-232			09:10	1	SS		X				X											
AEW-241			10:15	1	SS		X				X											
AEW-242			10:20	1	SS		X				X											
AEW-246		3/19/08	10:40	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. Lal	3/19/08	1:10	
	3/18/08	330	

Remarks:

ICE/t° 5.4

GOOD CONDITION ____ APPROPRIATE CONTAINERS ____

HEAD SPACE ABSENT ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION ____ VOAS | O&G | METALS | OTHER

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803441 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: 2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/18/2008
Date Printed: 03/18/2008

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803441-001	Composite 22	Soil	3/17/2008 5:30:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/18/2008 4:09:28 PM**

Project Name: **2007-014; Doyle Drive**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803441** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/21/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0803441

Lab ID	0803441-001A				Reporting Limit for DF =1	
Client ID	Composite 22					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	117					
Comments	o					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

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AR Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
		Date Received: 03/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 03/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/25/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803441

Lab ID	0803441-001A
Client ID	Composite 22
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.055	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	102
%SS3:	102		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/24/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0803441

Lab ID	0803441-001A				Reporting Limit for DF =1	
Client ID	Composite 22					
Matrix	S					
DF	5				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.025				0.005	NA
Acenaphthylene	ND<0.025				0.005	NA
Anthracene	ND<0.025				0.005	NA
Benzo(a)anthracene	ND<0.025				0.005	NA
Benzo(a)pyrene	ND<0.025				0.005	NA
Benzo(b)fluoranthene	ND<0.025				0.005	NA
Benzo(g,h,i)perylene	ND<0.025				0.005	NA
Benzo(k)fluoranthene	ND<0.025				0.005	NA
Chrysene	ND<0.025				0.005	NA
Dibenzo(a,h)anthracene	ND<0.025				0.005	NA
Fluoranthene	ND<0.025				0.005	NA
Fluorene	ND<0.025				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.025				0.005	NA
1-Methylnaphthalene	ND<0.025				0.005	NA
2-Methylnaphthalene	ND<0.025				0.005	NA
Naphthalene	ND<0.025				0.005	NA
Phenanthrene	ND<0.025				0.005	NA
Pyrene	ND<0.025				0.005	NA
Surrogate Recoveries (%)						
%SS1	85					
%SS2	75					
Comments	j					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
	Client Contact: Randall Young	Date Extracted: 03/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/20/08

CAM / CCR 17 Metals*

Lab ID	0803441-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 22					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803441

Dilution Factor	1				1	1
Antimony	0.81				0.5	NA
Arsenic	2.5				0.5	NA
Barium	81				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	44				0.5	NA
Cobalt	6.1				0.5	NA
Copper	36				0.5	NA
Lead	20				0.5	NA
Mercury	0.10				0.05	NA
Molybdenum	0.55				0.5	NA
Nickel	32				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	33				0.5	NA
Zinc	42				5.0	NA
%SS:	115					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed: 03/19/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0803441

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 22	S	2.7,g	ND	ND	ND	ND	ND	1	71
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/21/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803441

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803441-001A	Composite 22	S	18,g,k	50	1	109

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803441

EPA Method: SW8082A **Extraction: SW3550C** **BatchID: 34417** **Spiked Sample ID: 0803377-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	99.5	102	2.40	94.9	95.2	0.279	70 - 130	20	70 - 130	20
%SS:	91	0.050	95	97	2.27	94	93	0.724	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34417 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803441-001A	03/17/08 5:30 PM	03/18/08	03/21/08 12:39 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803441

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34452** **Spiked Sample ID: 0803480-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	87	88	1.13	86.4	87.9	1.62	60 - 130	30	60 - 130	30
Benzene	ND	0.050	79	74.8	5.37	75	79.1	5.34	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	117	120	2.35	107	104	3.04	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	83.6	79.4	5.19	79.2	81.2	2.44	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	85.4	85.1	0.393	80.2	83.9	4.54	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	118	115	2.91	107	116	7.74	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	86.6	82.4	4.91	81.6	84.5	3.53	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	92.1	91.5	0.691	89.8	92.6	3.07	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	79.1	78.6	0.730	107	112	4.58	60 - 130	30	60 - 130	30
Toluene	ND	0.050	82	76.5	7.02	78.5	81.4	3.70	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	77.7	70.3	10.1	73.9	75.7	2.40	60 - 130	30	60 - 130	30
%SS1:	102	0.050	110	111	0.987	106	106	0	70 - 130	30	70 - 130	30
%SS2:	99	0.050	101	101	0	100	102	1.43	70 - 130	30	70 - 130	30
%SS3:	98	0.050	105	108	3.11	108	108	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34452 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803441-001A	03/17/08 5:30 PM	03/18/08	03/25/08 11:45 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803441

EPA Method SW8270C **Extraction SW3550C** **BatchID: 34451** **Spiked Sample ID: 0803441-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.025	0.10	85.8	94.5	9.59	87.9	87	0.995	30 - 130	30	30 - 130	30
Chrysene	ND<0.025	0.10	124	129	3.79	96.4	96.6	0.192	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.025	0.10	110	113	3.01	118	118	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.025	0.10	109	111	1.61	108	111	2.56	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.025	0.10	107	108	1.65	98.6	97.9	0.728	30 - 130	30	30 - 130	30
Pyrene	ND<0.025	0.10	90.1	90.7	0.636	90.4	90.2	0.211	30 - 130	30	30 - 130	30
%SS1:	85	0.050	81	81	0	73	73	0	30 - 130	30	30 - 130	30
%SS2:	75	0.050	75	77	2.09	80	78	1.76	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34451 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803441-001A	03/17/08 5:30 PM	03/18/08	03/24/08 1:21 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803441

EPA Method 6020A **Extraction SW3050B** **BatchID: 34410** **Spiked Sample ID 0803414-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	94.4	97.5	3.24	10	97.4	99.2	1.88	70 - 130	20	80 - 120	20
Arsenic	2.6	50	88.2	92.7	4.70	10	91.3	92.3	1.05	70 - 130	20	80 - 120	20
Barium	90	500	98.2	101	2.33	100	102	103	0.488	70 - 130	20	80 - 120	20
Beryllium	ND	50	95.3	96.1	0.915	10	104	105	1.05	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	94.3	2.87	10	95.9	97.4	1.51	70 - 130	20	80 - 120	20
Chromium	18	50	83.8	88.2	3.63	10	90.9	92.1	1.38	70 - 130	20	80 - 120	20
Cobalt	6.2	50	88.9	92.1	3.11	10	99.9	99.9	0	70 - 130	20	80 - 120	20
Copper	23	50	83.5	89	4.13	10	90.2	91.4	1.25	70 - 130	20	80 - 120	20
Lead	7.0	50	90.9	94.4	3.30	10	97.7	99.3	1.62	70 - 130	20	80 - 120	20
Mercury	ND	1.25	89.1	92.5	3.63	0.25	97.4	97.4	0	70 - 130	20	80 - 120	20
Molybdenum	0.77	50	94	97.1	3.17	10	98.4	99.1	0.699	70 - 130	20	80 - 120	20
Nickel	13	50	84	88.5	4.04	10	89.6	91	1.64	70 - 130	20	80 - 120	20
Selenium	ND	50	91	94.5	3.73	10	94.3	95.4	1.20	70 - 130	20	80 - 120	20
Silver	0.95	50	91	93.4	2.53	10	97.4	98	0.573	70 - 130	20	80 - 120	20
Thallium	ND	50	92	95.4	3.59	10	95.2	97.4	2.29	70 - 130	20	80 - 120	20
Vanadium	38	50	83.6	90.4	4.17	10	92.1	94.1	2.08	70 - 130	20	80 - 120	20
Zinc	45	500	89.5	93.7	4.16	100	101	101	0	70 - 130	20	80 - 120	20
%SS:	96	250	94	97	3.73	250	93	94	0.429	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34410 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803441-001A	03/17/08 5:30 PM	03/18/08	03/20/08 12:01 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803441

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34424 Spiked Sample ID: 0803411-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	93.5	89.2	4.73	106	103	3.49	70 - 130	20	70 - 130	20
MTBE	ND	0.10	101	96.1	5.45	107	103	4.37	70 - 130	20	70 - 130	20
Benzene	ND	0.10	97.4	96.4	1.12	109	111	2.07	70 - 130	20	70 - 130	20
Toluene	ND	0.10	87.2	84.1	3.34	101	104	3.42	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	99.3	96.4	3.03	108	112	3.76	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	95.3	91.8	3.68	104	106	2.58	70 - 130	20	70 - 130	20
%SS:	98	0.10	89	89	0	99	102	3.02	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34424 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803441-001A	03/17/08 5:30 PM	03/18/08	03/19/08 6:09 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803441

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34415** **Spiked Sample ID: 0803377-013A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	108	1.66	101	102	1.81	70 - 130	30	70 - 130	30
%SS:	116	50	117	117	0	115	117	1.36	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34415 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803441-001A	03/17/08 5:30 PM	03/18/08	03/21/08 10:21 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled:	03/17/08
55 New Montgomery St, Ste 507		Date Received:	03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	03/25/08
	Client P.O.:	Date Completed:	03/20/08

WorkOrder: 0803439

March 25, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803439

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 3/18/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lollanty Project No.: 2007-014
Sampler: Signature: J. Lollanty Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-215	Doyle Drive	3/17/08	18:30	1	SS		X				X											Composite 23
AEW-219			19:50	1	SS		X				X											
AEW-220			18:55	1	SS		X				X											
AEW-223			19:10	1	SS		X				X											
AEW-226		3/17/08	19:25	1	SS		X				X											
AEW-229		3/18/08	08:45	1	SS		X				X											
AEW-230			08:55	1	SS		X				X											
AEW-236			09:30	1	SS		X				X											
AEW-243			10:25	1	SS		X				X											
AEW-245		3/18/08	10:35	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. Lollanty	3/18/08	110	
	3/18/08	330	
Relinquished By:	Date:	Time:	Received By:

Remarks:
ICE/t° 5.4
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803439 **ClientID: AEW**

☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
ProjectNo: 2007-014; Doyle Drive
PO:

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **03/18/2008**
Date Printed: **03/18/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803439-001	Composite 23	Soil	3/17/2008 6:30:00	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/18/2008 3:56:38 PM**

Project Name: **2007-014; Doyle Drive**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803439** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
		Date Received: 03/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 03/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/19/08

CAM / CCR 17 Metals*

Lab ID	0803439-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 23					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803439

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	1.7				0.5	NA
Barium	28				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	190				0.5	NA
Cobalt	15				0.5	NA
Copper	18				0.5	NA
Lead	2.7				0.5	NA
Mercury	0.21				0.05	NA
Molybdenum	1.7				0.5	NA
Nickel	260				0.5	NA
Selenium	ND				0.5	NA
Silver	3.4				0.5	NA
Thallium	ND				0.5	NA
Vanadium	23				0.5	NA
Zinc	24				5.0	NA
%SS:	117					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/19/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803439

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 23	S	32,g	ND	ND	ND	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/18/08
	Client P.O.:	Date Analyzed 03/19/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803439

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803439-001A	Composite 23	S	190,k/n	20	1	118

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803439

EPA Method 6020A **Extraction SW3050B** **BatchID: 34410** **Spiked Sample ID 0803414-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	94.4	97.5	3.24	10	97.4	99.2	1.88	70 - 130	20	80 - 120	20
Arsenic	2.6	50	88.2	92.7	4.70	10	91.3	92.3	1.05	70 - 130	20	80 - 120	20
Barium	90	500	98.2	101	2.33	100	102	103	0.488	70 - 130	20	80 - 120	20
Beryllium	ND	50	95.3	96.1	0.915	10	104	105	1.05	70 - 130	20	80 - 120	20
Cadmium	ND	50	91.6	94.3	2.87	10	95.9	97.4	1.51	70 - 130	20	80 - 120	20
Chromium	18	50	83.8	88.2	3.63	10	90.9	92.1	1.38	70 - 130	20	80 - 120	20
Cobalt	6.2	50	88.9	92.1	3.11	10	99.9	99.9	0	70 - 130	20	80 - 120	20
Copper	23	50	83.5	89	4.13	10	90.2	91.4	1.25	70 - 130	20	80 - 120	20
Lead	7.0	50	90.9	94.4	3.30	10	97.7	99.3	1.62	70 - 130	20	80 - 120	20
Mercury	ND	1.25	89.1	92.5	3.63	0.25	97.4	97.4	0	70 - 130	20	80 - 120	20
Molybdenum	0.77	50	94	97.1	3.17	10	98.4	99.1	0.699	70 - 130	20	80 - 120	20
Nickel	13	50	84	88.5	4.04	10	89.6	91	1.64	70 - 130	20	80 - 120	20
Selenium	ND	50	91	94.5	3.73	10	94.3	95.4	1.20	70 - 130	20	80 - 120	20
Silver	0.95	50	91	93.4	2.53	10	97.4	98	0.573	70 - 130	20	80 - 120	20
Thallium	ND	50	92	95.4	3.59	10	95.2	97.4	2.29	70 - 130	20	80 - 120	20
Vanadium	38	50	83.6	90.4	4.17	10	92.1	94.1	2.08	70 - 130	20	80 - 120	20
Zinc	45	500	89.5	93.7	4.16	100	101	101	0	70 - 130	20	80 - 120	20
%SS:	96	250	94	97	3.73	250	93	94	0.429	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34410 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803439-001A	03/17/08 6:30 PM	03/18/08	03/19/08 7:26 PM	0803439-001A	03/17/08 6:30 PM	03/18/08	03/19/08 9:27 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803439

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34424 Spiked Sample ID: 0803411-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	93.5	89.2	4.73	106	103	3.49	70 - 130	20	70 - 130	20
MTBE	ND	0.10	101	96.1	5.45	107	103	4.37	70 - 130	20	70 - 130	20
Benzene	ND	0.10	97.4	96.4	1.12	109	111	2.07	70 - 130	20	70 - 130	20
Toluene	ND	0.10	87.2	84.1	3.34	101	104	3.42	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	99.3	96.4	3.03	108	112	3.76	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	95.3	91.8	3.68	104	106	2.58	70 - 130	20	70 - 130	20
%SS:	98	0.10	89	89	0	99	102	3.02	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34424 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803439-001A	03/17/08 6:30 PM	03/18/08	03/19/08 5:36 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803439

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34415** **Spiked Sample ID: 0803377-013A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	108	1.66	101	102	1.81	70 - 130	30	70 - 130	30
%SS:	116	50	117	117	0	115	117	1.36	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34415 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803439-001A	03/17/08 6:30 PM	03/18/08	03/19/08 5:45 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled:	03/17/08
55 New Montgomery St, Ste 507		Date Received:	03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	03/25/08
	Client P.O.:	Date Completed:	03/28/08

WorkOrder: 0803439

April 01, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803439

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 3/18/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lollanty Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	TCLP CR added 3/24/08 per email today	SHC CR Ni added 3/24/08 per email today	Other	Comments
AEW-215	Doyle Drive	3/17/08	18:30	1	SS		X				X													Composite 23
AEW-219	↓	↑	19:50	1	SS		X				X													
AEW-220			18:55	1	SS		X				X													
AEW-223		↓	19:10	1	SS		X				X													
AEW-226		3/17/08	19:25	1	SS		X				X													
AEW-229		3/18/08	08:45	1	SS		X				X													
AEW-230		↓	08:55	1	SS		X				X													
AEW-236		↓	09:30	1	SS		X				X													
AEW-243		↓	10:25	1	SS		X				X													
AEW-245	↓	3/18/08	10:35	1	SS		X				X													

Relinquished By:	Date:	Time:	Received By:
[signature]	3/18/08	11:0	[signature]
	3/18/08	5:30	[signature]

Remarks:

ICE/t° 5.4
GOOD CONDITION ____
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS
PRESERVED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080343 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/18/2008
Date Add-On: 03/26/2008
Date Printed: 03/26/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803439-001	Composite 23	Soil	3/17/2008 18:30	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Stlc Cr Ni and Tclp Cr added 3/26/08 per email 5 day

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/26/08-03/28/08
	Client P.O.:	Date Analyzed: 03/28/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0803439

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite 23	S	WET	1.9	6.8	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive	Date Sampled: 03/17/08
55 New Montgomery St, Ste 507		Date Received: 03/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 03/26/08-03/27/08
	Client P.O.:	Date Analyzed 03/28/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0803439

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803439-001A	Composite 23	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803439

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 34616** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	93	92.5	0.550	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	98	100	2.17	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34616 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803439-001A	03/17/08 6:30 PM	03/26/08	03/28/08 3:40 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803439

EPA Method SW6010C **Extraction SW1311** **BatchID: 34526** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	99.4	105	5.12	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34526 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803439-001A	03/17/08 6:30 PM	03/26/08	03/28/08 11:02 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

JR QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Reported: 03/26/08
	Client P.O.:	Date Completed: 03/26/08

WorkOrder: 0803523

March 26, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803523 Partial Scan

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 3/18/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Lallante Project No.: 2007-014

Sampler: Signature: J. Lallante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-235	Doyle Drive	3/18/08	09:25	1	SS		X				X											
AEW-237			09:50	1	SS		X				X											
AEW-239			09:55	1	SS		X				X											
AEW-239		3/18/08	10:00	1	SS		X				X											Composite #24
AEW-240		3/18/08	10:05	1	SS		X				X											
AEW-244		3/18/08	10:30	1	SS		X				X											
AEW-265		3/18/08	09:10	1	SS		X				X											
AEW-266			09:15	1	SS		X				X											
AEW-267			09:20	1	SS		X				X											
AEW-268		3/18/08	09:30	1	SS		X				X											

ICE/t° 1.8

GOOD CONDITION ✓

HEAD SPACE ABSENT

DECHLORINATED IN LAB

PRESERVATION

APPROPRIATE CONTAINERS

PRESERVED IN LAB

VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
J. Lallante	3/18/08	13:30	
	3/18/08	500	Mike Vecell

Remarks: hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803523 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/20/2008
Date Printed: 03/20/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803523-001	Composite 24	Soil	3/18/2008 9:25	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/20/2008 6:23:12 PM**

Project Name: **2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803523** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 1.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
55 New Montgomery St, Ste 507		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/24/08-03/25/08

CAM / CCR 17 Metals*

Lab ID	0803523-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 24					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803523

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.2				0.5	NA
Barium	40				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	88				0.5	NA
Cobalt	8.9				0.5	NA
Copper	52				0.5	NA
Lead	3.7				0.5	NA
Mercury	0.13				0.05	NA
Molybdenum	4.5				0.5	NA
Nickel	100				0.5	NA
Selenium	ND				0.5	NA
Silver	2.8				0.5	NA
Thallium	ND				0.5	NA
Vanadium	36				0.5	NA
Zinc	21				5.0	NA
%SS:	121					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803523

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 24	S	29,g	ND	ND	0.0081	ND	ND	1	74

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/26/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803523

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803523-001A	Composite 24	S	520,k	31	1	112

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803523

EPA Method: 6020A **Extraction: SW3050B** **BatchID: 34510** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	96	96.9	0.992	10	104	117	12.1	70 - 130	20	80 - 120	20
Arsenic	4.6	50	93.4	94.9	1.47	10	89.5	105	15.5	70 - 130	20	80 - 120	20
Barium	38	500	96.9	97.8	0.820	100	91.6	106	14.7	70 - 130	20	80 - 120	20
Beryllium	ND	50	92.5	93.4	0.964	10	89.8	102	12.5	70 - 130	20	80 - 120	20
Cadmium	ND	50	95.9	96.9	1.10	10	95	108	13.1	70 - 130	20	80 - 120	20
Chromium	48	50	81.1	83.1	1.10	10	88.8	104	15.3	70 - 130	20	80 - 120	20
Cobalt	6.4	50	94.7	97.2	2.36	10	87	98	11.9	70 - 130	20	80 - 120	20
Copper	18	50	86.7	89.6	2.37	10	90.9	105	14.2	70 - 130	20	80 - 120	20
Lead	19	50	90.2	90.8	0.481	10	93.9	107	12.7	70 - 130	20	80 - 120	20
Mercury	ND	1.25	97.4	97.2	0.242	0.25	84.3	98.2	15.2	70 - 130	20	80 - 120	20
Molybdenum	0.56	50	93.8	94.5	0.735	10	92.8	104	10.7	70 - 130	20	80 - 120	20
Nickel	39	50	85.1	88.8	2.27	10	89.2	103	14.6	70 - 130	20	80 - 120	20
Selenium	ND	50	86.6	88.3	1.93	10	91.6	105	13.9	70 - 130	20	80 - 120	20
Silver	ND	50	99.5	100	0.940	10	91.4	104	12.7	70 - 130	20	80 - 120	20
Thallium	ND	50	96.7	97.2	0.578	10	86.2	97.7	12.5	70 - 130	20	80 - 120	20
Vanadium	32	50	85.9	88.2	1.58	10	88.7	101	13.0	70 - 130	20	80 - 120	20
Zinc	25	500	99.3	101	1.33	100	90.5	103	13.2	70 - 130	20	80 - 120	20
%SS:	127	250	119	120	1.07	250	105	120	13.1	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34510 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803523-001A	03/18/08 9:25 AM	03/20/08	03/24/08 7:37 PM	0803523-001A	03/18/08 9:25 AM	03/20/08	03/25/08 12:03 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803523

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34481 Spiked Sample ID: 0803486-012A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	106	110	3.53	114	110	3.69	70 - 130	20	70 - 130	20
MTBE	ND	0.10	87.7	87	0.784	92.5	91.1	1.49	70 - 130	20	70 - 130	20
Benzene	ND	0.10	86.6	84.2	2.85	99.4	93.8	5.82	70 - 130	20	70 - 130	20
Toluene	ND	0.10	99.6	97.8	1.86	108	103	4.15	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	96.3	94.5	1.92	106	103	3.36	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	104	102	1.64	114	111	2.03	70 - 130	20	70 - 130	20
%SS:	89	0.10	84	83	1.31	96	93	3.06	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34481 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803523-001A	03/18/08 9:25 AM	03/20/08	03/21/08 8:46 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803523

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34473** **Spiked Sample ID: 0803513-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	90.1	91	0.968	111	110	1.46	70 - 130	30	70 - 130	30
%SS:	115	50	106	101	5.02	99	97	2.48	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34473 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803523-001A	03/18/08 9:25 AM	03/20/08	03/26/08 4:52 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled:	03/18/08
		Date Received:	03/20/08
	Client Contact: Randall Young	Date Reported:	03/26/08
	Client P.O.:	Date Completed:	03/31/08

WorkOrder: 0803523

March 31, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803525 Partial Scan

RUSH

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 3/18/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lollante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B; SHC CR added 3/25/09 48hr

Other | Comments

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	SHC CR added 3/25/09 48hr	Other	Comments
AEW-235	Doyle Drive	3/18/09	09:25	1	SS		X				X												
AEW-237	↓	↓	09:50	1	SS		X				X												
AEW-238	↓	↓	09:55	1	SS		X				X												
AEW-239	↓	3/18/09	10:00	1	SS		X				X												Composite #24
AEW-240	↓	3/18/09	10:05	1	SS		X				X												
AEW-244	↓	3/18/09	10:30	1	SS		X				X												
AEW-265	↓	3/20/09	09:10	1	SS		X				X												
AEW-266	↓	↓	09:15	1	SS		X				X												
AEW-267	↓	↓	09:20	1	SS		X				X												
AEW-268	↓	3/20/09	09:30	1	SS		X				X												

ICE/°C 1.8
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓ PRESERVED IN LAB ✓
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
[signature]	3/20/09	13:30	
~~[signature]~~	3/20/09	500	[signature]

Remarks: hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080352 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/20/2008
Date Add-On: 03/28/2008
Date Printed: 03/28/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803523-001	Composite 24	Soil	3/18/2008 9:25	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Stlc Cr added 3/28/08 48hr per email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/28/08-03/30/08
	Client P.O.:	Date Analyzed: 03/31/08

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0803523

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803523-001A	Composite 24	S	WET	0.44	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803523

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 34616** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	93	92.5	0.550	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34616 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803523-001A	03/18/08 9:25 AM	03/28/08	03/31/08 2:48 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

_____ QA/QC Officer

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled:	03/18/08
		Date Received:	03/20/08
	Client Contact: Randall Young	Date Reported:	03/28/08
	Client P.O.:	Date Completed:	03/28/08

WorkOrder: 0803528

March 28, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

08035528 Full Scan

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ (X) Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 3/19/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lee Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B)

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	Other	Comments
AEW-228	Doyle Drive	3/19/08	09:40	1	SS		X				X					
AEW-233			09:15	1	SS		X				X					
AEW-234			09:20	1	SS		X				X					
~~AEW-240~~			~~10:05~~	1	SS		X				X					
~~AEW-244~~		~~3/19/08~~	~~10:30~~	1	SS		X				X					
AEW-248	Doyle Drive	3/19/08	16:45	1	SS		X				X					Composite #25
AEW-249		3/19/08	16:55	1	SS		X				X					
AEW-250		3/19/08	17:05	1	SS		X				X					
AEW-256		3/19/08	17:40	1	SS		X				X					
AEW-272		3/19/08	09:55	1	SS		X				X					
AEW-254		3/19/08	17:30	1	SS		X				X					
AEW-259		3/19/08	17:55	1	SS		X				X					

ICE/t° 1.8
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVED IN LAB
PRESERVATION: VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
J. Lee	3/20/08	13:30	
	3/20/08	15:00	Mc Vall

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803528 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/20/2008
Date Printed: 03/20/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803528-001	Composite 25	Soil	3/18/2008 8:40	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/20/08 7:24:02 PM**

Project Name: **2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803528** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 1.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/24/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0803528

Lab ID	0803528-001A				Reporting Limit for DF =1	
Client ID	Composite 25					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	101					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
55 New Montgomery St, Ste 507		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/26/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803528

Lab ID	0803528-001A
Client ID	Composite 25
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.10	2.0	0.05	Acrolein (Propenal)	ND<0.10	2.0	0.05
Acrylonitrile	ND<0.040	2.0	0.02	tert-Amyl methyl ether (TAME)	ND<0.010	2.0	0.005
Benzene	ND<0.010	2.0	0.005	Bromobenzene	ND<0.010	2.0	0.005
Bromochloromethane	ND<0.010	2.0	0.005	Bromodichloromethane	ND<0.010	2.0	0.005
Bromoform	ND<0.010	2.0	0.005	Bromomethane	ND<0.010	2.0	0.005
2-Butanone (MEK)	ND<0.040	2.0	0.02	t-Butyl alcohol (TBA)	ND<0.10	2.0	0.05
n-Butyl benzene	ND<0.010	2.0	0.005	sec-Butyl benzene	ND<0.010	2.0	0.005
tert-Butyl benzene	ND<0.010	2.0	0.005	Carbon Disulfide	ND<0.010	2.0	0.005
Carbon Tetrachloride	ND<0.010	2.0	0.005	Chlorobenzene	ND<0.010	2.0	0.005
Chloroethane	ND<0.010	2.0	0.005	2-Chloroethyl Vinyl Ether	ND<0.020	2.0	0.01
Chloroform	ND<0.010	2.0	0.005	Chloromethane	ND<0.010	2.0	0.005
2-Chlorotoluene	ND<0.010	2.0	0.005	4-Chlorotoluene	ND<0.010	2.0	0.005
Dibromochloromethane	ND<0.010	2.0	0.005	1,2-Dibromo-3-chloropropane	ND<0.0080	2.0	0.004
1,2-Dibromoethane (EDB)	ND<0.0080	2.0	0.004	Dibromomethane	ND<0.010	2.0	0.005
1,2-Dichlorobenzene	ND<0.010	2.0	0.005	1,3-Dichlorobenzene	ND<0.010	2.0	0.005
1,4-Dichlorobenzene	ND<0.010	2.0	0.005	Dichlorodifluoromethane	ND<0.010	2.0	0.005
1,1-Dichloroethane	ND<0.010	2.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND<0.0080	2.0	0.004
1,1-Dichloroethene	ND<0.010	2.0	0.005	cis-1,2-Dichloroethene	ND<0.010	2.0	0.005
trans-1,2-Dichloroethene	ND<0.010	2.0	0.005	1,2-Dichloropropane	ND<0.010	2.0	0.005
1,3-Dichloropropane	ND<0.010	2.0	0.005	2,2-Dichloropropane	ND<0.010	2.0	0.005
1,1-Dichloropropene	ND<0.010	2.0	0.005	cis-1,3-Dichloropropene	ND<0.010	2.0	0.005
trans-1,3-Dichloropropene	ND<0.010	2.0	0.005	Diisopropyl ether (DIPE)	ND<0.010	2.0	0.005
Ethylbenzene	ND<0.010	2.0	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.010	2.0	0.005
Freon 113	ND<0.20	2.0	0.1	Hexachlorobutadiene	ND<0.010	2.0	0.005
Hexachloroethane	ND<0.010	2.0	0.005	2-Hexanone	ND<0.010	2.0	0.005
Isopropylbenzene	ND<0.010	2.0	0.005	4-Isopropyl toluene	ND<0.010	2.0	0.005
Methyl-t-butyl ether (MTBE)	ND<0.010	2.0	0.005	Methylene chloride	ND<0.010	2.0	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.010	2.0	0.005	Naphthalene	ND<0.010	2.0	0.005
Nitrobenzene	ND<0.20	2.0	0.1	n-Propyl benzene	ND<0.010	2.0	0.005
Styrene	ND<0.010	2.0	0.005	1,1,1,2-Tetrachloroethane	ND<0.010	2.0	0.005
1,1,2,2-Tetrachloroethane	ND<0.010	2.0	0.005	Tetrachloroethene	ND<0.010	2.0	0.005
Toluene	ND<0.010	2.0	0.005	1,2,3-Trichlorobenzene	ND<0.010	2.0	0.005
1,2,4-Trichlorobenzene	ND<0.010	2.0	0.005	1,1,1-Trichloroethane	ND<0.010	2.0	0.005
1,1,2-Trichloroethane	ND<0.010	2.0	0.005	Trichloroethene	ND<0.010	2.0	0.005
Trichlorofluoromethane	ND<0.010	2.0	0.005	1,2,3-Trichloropropane	ND<0.010	2.0	0.005
1,2,4-Trimethylbenzene	ND<0.010	2.0	0.005	1,3,5-Trimethylbenzene	ND<0.010	2.0	0.005
Vinyl Chloride	ND<0.010	2.0	0.005	Xylenes	ND<0.010	2.0	0.005

Surrogate Recoveries (%)

%SS1:	100	%SS2:	99
%SS3:	95		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/27/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0803528

Lab ID	0803528-001A				Reporting Limit for DF =1	
Client ID	Composite 25					
Matrix	S					
DF	2				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.010				0.005	NA
Acenaphthylene	ND<0.010				0.005	NA
Anthracene	ND<0.010				0.005	NA
Benzo(a)anthracene	ND<0.010				0.005	NA
Benzo(a)pyrene	ND<0.010				0.005	NA
Benzo(b)fluoranthene	ND<0.010				0.005	NA
Benzo(g,h,i)perylene	ND<0.010				0.005	NA
Benzo(k)fluoranthene	ND<0.010				0.005	NA
Chrysene	ND<0.010				0.005	NA
Dibenzo(a,h)anthracene	ND<0.010				0.005	NA
Fluoranthene	ND<0.010				0.005	NA
Fluorene	ND<0.010				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.010				0.005	NA
1-Methylnaphthalene	ND<0.010				0.005	NA
2-Methylnaphthalene	ND<0.010				0.005	NA
Naphthalene	ND<0.010				0.005	NA
Phenanthrene	ND<0.010				0.005	NA
Pyrene	ND<0.010				0.005	NA
Surrogate Recoveries (%)						
%SS1	73					
%SS2	69					
Comments	j					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
55 New Montgomery St, Ste 507		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/24/08

CAM / CCR 17 Metals*

Lab ID	0803528-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 25					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803528

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	3.0				0.5	NA
Barium	57				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	51				0.5	NA
Cobalt	6.0				0.5	NA
Copper	17				0.5	NA
Lead	9.4				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	0.55				0.5	NA
Nickel	31				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	37				0.5	NA
Zinc	38				5.0	NA
%SS:	96					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803528

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 25	S	29,g	ND	ND	ND	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/26/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803528

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803528-001A	Composite 25	S	110,k,g	12	1	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803528

EPA Method SW8082A **Extraction SW3550C** **BatchID: 34506** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	107	108	1.19	98.9	101	1.63	70 - 130	20	70 - 130	20
%SS:	104	0.050	111	107	3.50	101	100	0.975	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34506 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	03/20/08	03/24/08 5:22 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803528

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34487** **Spiked Sample ID: 0803492-039A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	108	106	1.42	107	107	0	60 - 130	30	60 - 130	30
Benzene	ND	0.050	98	96.4	1.62	97.5	92.9	4.89	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	103	100	2.78	105	105	0	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	100	101	0.671	99.8	95.3	4.63	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	110	108	2.12	107	102	4.97	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	119	118	0.561	122	122	0	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	103	104	0.928	102	100	1.76	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	109	108	1.04	107	107	0	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	109	108	0.809	109	111	1.76	60 - 130	30	60 - 130	30
Toluene	ND	0.050	100	101	0.327	99.5	95.7	3.88	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	91.9	88.6	3.65	90.3	87.1	3.66	60 - 130	30	60 - 130	30
%SS1:	98	0.050	105	105	0	106	104	2.12	70 - 130	30	70 - 130	30
%SS2:	95	0.050	102	102	0	102	101	0.385	70 - 130	30	70 - 130	30
%SS3:	96	0.050	107	109	2.18	108	109	0.602	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34487 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	03/20/08	03/26/08 9:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803528

EPA Method SW8270C **Extraction SW3550C** **BatchID: 34515** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	88.2	85.9	2.69	82.3	83.2	1.08	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	105	100	4.53	83.8	83.7	0.0969	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	94.2	92.1	2.26	104	104	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	95.4	94.8	0.652	96.6	96.1	0.463	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	82.7	80.7	2.43	89.4	89.3	0.103	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	67.9	66.6	1.96	78.2	77.6	0.780	30 - 130	30	30 - 130	30
%SS1:	72	0.050	73	71	2.27	76	76	0	30 - 130	30	30 - 130	30
%SS2:	72	0.050	74	72	2.19	84	84	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34515 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	03/20/08	03/27/08 5:45 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803528

EPA Method 6020A **Extraction SW3050B** **BatchID: 34517** **Spiked Sample ID 0803528-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	88.5	91.9	3.79	10	117	111	5.52	70 - 130	20	80 - 120	20
Arsenic	3.0	50	88.8	94	5.36	10	102	95.2	6.53	70 - 130	20	80 - 120	20
Barium	57	500	89.6	94.5	4.69	100	106	98.5	7.74	70 - 130	20	80 - 120	20
Beryllium	ND	0	N/A	82	4.41	10	103	97.9	4.56	0 - 0	20	80 - 120	20
Cadmium	ND	50	88.2	92.5	4.70	10	107	102	4.12	70 - 130	20	80 - 120	20
Chromium	51	50	75.8	87.1	6.15	10	102	95.5	6.85	70 - 130	20	80 - 120	20
Cobalt	6.0	50	82.9	88.4	5.71	10	99.8	93.8	6.23	70 - 130	20	80 - 120	20
Copper	17	50	81.1	89.2	6.79	10	103	97.9	5.20	70 - 130	20	80 - 120	20
Lead	9.4	50	85.9	92.2	5.84	10	107	100	6.27	70 - 130	20	80 - 120	20
Mercury	ND	1.25	88	93.2	5.49	0.25	99.5	91.4	8.46	70 - 130	20	80 - 120	20
Molybdenum	0.55	50	86.9	90.7	4.27	10	105	97.7	6.65	70 - 130	20	80 - 120	20
Nickel	31	50	80.4	91	7.16	10	103	96.8	6.15	70 - 130	20	80 - 120	20
Selenium	ND	50	86.5	90.4	4.39	10	100	98.1	2.13	70 - 130	20	80 - 120	20
Silver	ND	50	94.7	99.2	4.71	10	104	98.2	6.27	70 - 130	20	80 - 120	20
Thallium	ND	50	88.9	93.2	4.75	10	99.3	93.4	6.13	70 - 130	20	80 - 120	20
Vanadium	37	50	80	90	6.25	10	102	95.3	6.34	70 - 130	20	80 - 120	20
Zinc	38	500	90.1	95.3	5.16	100	104	97.7	5.77	70 - 130	20	80 - 120	20
%SS:	96	250	93	97	4.39	250	121	113	6.53	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34517 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	03/20/08	)3/24/08 10:49 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803528

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 34507 Spiked Sample ID: 0803513-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	99.8	105	4.79	100	108	8.16	70 - 130	20	70 - 130	20
MTBE	ND	0.10	88.7	93.9	5.69	93.7	96.6	3.07	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.3	88.2	2.33	99.7	96.9	2.80	70 - 130	20	70 - 130	20
Toluene	ND	0.10	83.8	82.6	1.47	111	107	3.05	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	91.3	89.9	1.54	108	104	3.69	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	84.7	85.1	0.506	116	114	2.37	70 - 130	20	70 - 130	20
%SS:	90	0.10	83	82	1.94	97	95	2.59	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34507 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	03/20/08	03/21/08 11:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803528

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34473** **Spiked Sample ID: 0803513-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	90.1	91	0.968	111	110	1.46	70 - 130	30	70 - 130	30
%SS:	115	50	106	101	5.02	99	97	2.48	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34473 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	03/20/08	03/26/08 10:37 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled:	03/18/08
		Date Received:	03/20/08
	Client Contact: Randall Young	Date Reported:	03/28/08
	Client P.O.:	Date Completed:	04/07/08

WorkOrder: 0803528

April 07, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803528 Full Scan

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☐ Normal (X) Others:

LABORATORY: McCampbell

Date: 3/19/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lamb Project No.: 2007-014
Sampler: Signature: J. Lamb Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Bioassay Phorite Per E.Y. Email	Comments
AEW-228	Doyle Drive	3/19/08	09:40	1	SS		X				X											
AEW-233			09:15	1	SS		X				X											
AEW-234			09:20	1	SS		X				X											
~~AEW-240~~			~~10:05~~	1	SS		X				X											
~~AEW-244~~		3/19/08	10:30	1	SS		X				X											
AEW-248	Doyle Drive	3/19/08	16:45	1	SS		X				X											Composite #25
AEW-249		3/19/08	16:55	1	SS		X				X											
AEW-252		3/19/08	17:05	1	SS		X				X											
AEW-256		3/19/08	17:40	1	SS		X				X											
AEW-272		3/19/08	09:55	1	SS		X				X											
AEW-254		3/19/08	17:30	1	SS		X				X											
AEW-259		3/19/08	17:55	1	SS		X				X											

ICE/t° 1.8
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT CONTAINERS
DECHLORINATED IN LAB PRESERVED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
J. Lamb	3/20/08	13:30	
	3/20/08	1500	McCall

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080352 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/20/2008
Date Add-On: 04/04/2008
Date Printed: 04/04/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803528-001	Composite 25	Soil	3/18/2008 8:40	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: STLC Cr added on 4/04/08 on a rush tat with 5 day pricing per randy/email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/18/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 04/04/08-04/06/08
	Client P.O.:	Date Analyzed 04/07/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0803528

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803528-001A	Composite 25	S	WET	0.82	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803528

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 34730** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	88.8	86.4	2.73	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34730 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803528-001A	03/18/08 8:40 AM	04/04/08	04/07/08 2:27 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

_____ QA/QC Officer

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled:	03/19/08
		Date Received:	03/20/08
	Client Contact: Randall Young	Date Reported:	03/28/08
	Client P.O.:	Date Completed:	03/28/08

WorkOrder: 0803524

March 28, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803524

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS	48 HOUR	24 HOURS	Normal

Date: 3/20/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Collante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-257	Doyle Drive	3/19/08	17:45	1	SS		X				X									X		
AEW-258		3/19/08	17:50	1	SS		X				X									X		
AEW-270		3/20/08	09:45	1	SS		X				X									X		
AEW-271			09:50	1	SS		X				X									X		
AEW-269			09:35	1	SS		X				X									X		Composite #26
AEW-273			10:00	1	SS		X				X									X		
AEW-274			10:05	1	SS		X				X									X		
AEW-275			10:10	1	SS		X				X									X		
AEW-276			10:15	1	SS		X				X									X		
AEW-277		3/20/08	10:20	1	SS		X				X									X		

Analysis Request

ICE? 1.8
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
[signature]	3/20/08	13:30	
	3/20/08	15:00	[signature]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803524 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/20/2008
Date Printed: 03/20/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803524-001	Composite 26	Soil	3/19/2008 17:45	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/20/2008 6:38:37 PM**

Project Name: **2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803524** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 1.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/23/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0803524

Lab ID	0803524-001A				Reporting Limit for DF =1	
Client ID	Composite 26					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	104					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

DHS ELAP Certification N° 1644

AR Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
55 New Montgomery St, Ste 507		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/25/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803524

Lab ID	0803524-001A
Client ID	Composite 26
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	99	%SS2:	101
%SS3:	97		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/27/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0803524

Lab ID	0803524-001A				Reporting Limit for DF =1	
Client ID	Composite 26					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	72					
%SS2	72					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
55 New Montgomery St, Ste 507		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/22/08

CAM / CCR 17 Metals*

Lab ID	0803524-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 26					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803524

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	4.6				0.5	NA
Barium	38				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	48				0.5	NA
Cobalt	6.4				0.5	NA
Copper	18				0.5	NA
Lead	19				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	0.56				0.5	NA
Nickel	39				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	32				0.5	NA
Zinc	25				5.0	NA
%SS:	127					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803524

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 26	S	7.1,g	ND	ND	ND	ND	ND	1	74

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/26/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803524

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803524-001A	Composite 26	S	33,g,k	43	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803524

EPA Method SW8082A **Extraction SW3550C** **BatchID: 34506** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	107	108	1.19	98.9	101	1.63	70 - 130	20	70 - 130	20
%SS:	104	0.050	111	107	3.50	101	100	0.975	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34506 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803524-001A	03/19/08 5:45 PM	03/20/08	03/23/08 3:53 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803524

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34473** **Spiked Sample ID: 0803513-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	90.1	91	0.968	111	110	1.46	70 - 130	30	70 - 130	30
%SS:	115	50	106	101	5.02	99	97	2.48	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34473 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803524-001A	03/19/08 5:45 PM	03/20/08	03/26/08 9:26 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803524

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34487** **Spiked Sample ID: 0803492-039A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	108	106	1.42	107	107	0	60 - 130	30	60 - 130	30
Benzene	ND	0.050	98	96.4	1.62	97.5	92.9	4.89	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	103	100	2.78	105	105	0	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	100	101	0.671	99.8	95.3	4.63	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	110	108	2.12	107	102	4.97	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	119	118	0.561	122	122	0	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	103	104	0.928	102	100	1.76	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	109	108	1.04	107	107	0	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	109	108	0.809	109	111	1.76	60 - 130	30	60 - 130	30
Toluene	ND	0.050	100	101	0.327	99.5	95.7	3.88	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	91.9	88.6	3.65	90.3	87.1	3.66	60 - 130	30	60 - 130	30
%SS1:	98	0.050	105	105	0	106	104	2.12	70 - 130	30	70 - 130	30
%SS2:	95	0.050	102	102	0	102	101	0.385	70 - 130	30	70 - 130	30
%SS3:	96	0.050	107	109	2.18	108	109	0.602	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34487 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803524-001A	03/19/08 5:45 PM	03/20/08	03/25/08 11:56 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803524

EPA Method SW8270C **Extraction SW3550C** **BatchID: 34515** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	88.2	85.9	2.69	82.3	83.2	1.08	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	105	100	4.53	83.8	83.7	0.0969	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	94.2	92.1	2.26	104	104	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	95.4	94.8	0.652	96.6	96.1	0.463	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	82.7	80.7	2.43	89.4	89.3	0.103	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	67.9	66.6	1.96	78.2	77.6	0.780	30 - 130	30	30 - 130	30
%SS1:	72	0.050	73	71	2.27	76	76	0	30 - 130	30	30 - 130	30
%SS2:	72	0.050	74	72	2.19	84	84	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34515 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803524-001A	03/19/08 5:45 PM	03/20/08	03/27/08 1:27 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803524

EPA Method 6020A **Extraction SW3050B** **BatchID: 34510** **Spiked Sample ID 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	96	96.9	0.992	10	104	117	12.1	70 - 130	20	80 - 120	20
Arsenic	4.6	50	93.4	94.9	1.47	10	89.5	105	15.5	70 - 130	20	80 - 120	20
Barium	38	500	96.9	97.8	0.820	100	91.6	106	14.7	70 - 130	20	80 - 120	20
Beryllium	ND	50	92.5	93.4	0.964	10	89.8	102	12.5	70 - 130	20	80 - 120	20
Cadmium	ND	50	95.9	96.9	1.10	10	95	108	13.1	70 - 130	20	80 - 120	20
Chromium	48	50	81.1	83.1	1.10	10	88.8	104	15.3	70 - 130	20	80 - 120	20
Cobalt	6.4	50	94.7	97.2	2.36	10	87	98	11.9	70 - 130	20	80 - 120	20
Copper	18	50	86.7	89.6	2.37	10	90.9	105	14.2	70 - 130	20	80 - 120	20
Lead	19	50	90.2	90.8	0.481	10	93.9	107	12.7	70 - 130	20	80 - 120	20
Mercury	ND	1.25	97.4	97.2	0.242	0.25	84.3	98.2	15.2	70 - 130	20	80 - 120	20
Molybdenum	0.56	50	93.8	94.5	0.735	10	92.8	104	10.7	70 - 130	20	80 - 120	20
Nickel	39	50	85.1	88.8	2.27	10	89.2	103	14.6	70 - 130	20	80 - 120	20
Selenium	ND	50	86.6	88.3	1.93	10	91.6	105	13.9	70 - 130	20	80 - 120	20
Silver	ND	50	99.5	100	0.940	10	91.4	104	12.7	70 - 130	20	80 - 120	20
Thallium	ND	50	96.7	97.2	0.578	10	86.2	97.7	12.5	70 - 130	20	80 - 120	20
Vanadium	32	50	85.9	88.2	1.58	10	88.7	101	13.0	70 - 130	20	80 - 120	20
Zinc	25	500	99.3	101	1.33	100	90.5	103	13.2	70 - 130	20	80 - 120	20
%SS:	127	250	119	120	1.07	250	105	120	13.1	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34510 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803524-001A	03/19/08 5:45 PM	03/20/08	03/22/08 5:33 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803524

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 34507 Spiked Sample ID: 0803513-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	99.8	105	4.79	100	108	8.16	70 - 130	20	70 - 130	20
MTBE	ND	0.10	88.7	93.9	5.69	93.7	96.6	3.07	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.3	88.2	2.33	99.7	96.9	2.80	70 - 130	20	70 - 130	20
Toluene	ND	0.10	83.8	82.6	1.47	111	107	3.05	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	91.3	89.9	1.54	108	104	3.69	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	84.7	85.1	0.506	116	114	2.37	70 - 130	20	70 - 130	20
%SS:	90	0.10	83	82	1.94	97	95	2.59	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34507 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803524-001A	03/19/08 5:45 PM	03/20/08	03/21/08 9:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled:	03/19/08
		Date Received:	03/20/08
	Client Contact: Randall Young	Date Reported:	03/27/08
	Client P.O.:	Date Completed:	03/27/08

WorkOrder: 0803527

March 27, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **2007-014; Doyle Drive, San Francisc**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803527

Rushed Sam

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS	48 HOUR	24 HOURS	Normal
	☐		☒

Date: 3/20/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Lafranty Project No.: 2007-014

Sampler: Signature: [signature] Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B)

Other

Comments

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other
AEW-247	Doyle Drive	3/19/08	16:40	1	SS		X				X			
AEW-260		3/20/08	08:40	1	SS		X				X			
AEW-261			08:45	1	SS		X				X			
AEW-262			08:50	1	SS		X				X			
AEW-263			09:00	1	SS		X				X			
AEW-264			09:05	1	SS		X				X			
AEW-251		3/19/08	17:10	1	SS		X				X			
AEW-255		3/19/08	17:35	1	SS		X				X			
AEW-252			17:15	1	SS		X				X			
AEW-253		3/19/08	17:25	1	SS		X				X			

Composite # 27

ICE/t° 1.8 ✓

GOOD CONDITION ✓ APPROPRIATE ✓

HEAD SPACE ABSENT ____ CONTAINERS ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

	VOAS	O&G	METALS	OTHER
PRESERVATION				

Relinquished By:	Date:	Time:	Received By:
[signature]	3/19/08	13:30	
[signature]	3/20/08	5:00	[signature]

Remarks: hold samples for 6 months

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803527 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: 2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/20/2008
Date Printed: 03/21/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803527-001	Composite #27	Soil	3/19/2008 16:40	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/20/2008 6:55:03 PM**

Project Name: **2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0803527** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 1.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
55 New Montgomery St, Ste 507		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/24/08

CAM / CCR 17 Metals*

Lab ID	0803527-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #27					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803527

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.9				0.5	NA
Barium	67				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	28				0.5	NA
Cobalt	5.4				0.5	NA
Copper	25				0.5	NA
Lead	3.0				0.5	NA
Mercury	0.18				0.05	NA
Molybdenum	1.5				0.5	NA
Nickel	24				0.5	NA
Selenium	ND				0.5	NA
Silver	4.7				0.5	NA
Thallium	ND				0.5	NA
Vanadium	30				0.5	NA
Zinc	26				5.0	NA
%SS:	118					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803527

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #27	S	56,g	ND	ND	0.0081	ND	0.015	1	---#

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: 2007-014; Doyle Drive, San Francisco	Date Sampled: 03/19/08
		Date Received: 03/20/08
	Client Contact: Randall Young	Date Extracted: 03/20/08
	Client P.O.:	Date Analyzed 03/27/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803527

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803527-001A	Composite #27	S	1100,k	ND<50	10	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803527

EPA Method 6020A **Extraction SW3050B** **BatchID: 34510** **Spiked Sample ID 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	96	96.9	0.992	10	104	117	12.1	70 - 130	20	80 - 120	20
Arsenic	4.6	50	93.4	94.9	1.47	10	89.5	105	15.5	70 - 130	20	80 - 120	20
Barium	38	500	96.9	97.8	0.820	100	91.6	106	14.7	70 - 130	20	80 - 120	20
Beryllium	ND	50	92.5	93.4	0.964	10	89.8	102	12.5	70 - 130	20	80 - 120	20
Cadmium	ND	50	95.9	96.9	1.10	10	95	108	13.1	70 - 130	20	80 - 120	20
Chromium	48	50	81.1	83.1	1.10	10	88.8	104	15.3	70 - 130	20	80 - 120	20
Cobalt	6.4	50	94.7	97.2	2.36	10	87	98	11.9	70 - 130	20	80 - 120	20
Copper	18	50	86.7	89.6	2.37	10	90.9	105	14.2	70 - 130	20	80 - 120	20
Lead	19	50	90.2	90.8	0.481	10	93.9	107	12.7	70 - 130	20	80 - 120	20
Mercury	ND	1.25	97.4	97.2	0.242	0.25	84.3	98.2	15.2	70 - 130	20	80 - 120	20
Molybdenum	0.56	50	93.8	94.5	0.735	10	92.8	104	10.7	70 - 130	20	80 - 120	20
Nickel	39	50	85.1	88.8	2.27	10	89.2	103	14.6	70 - 130	20	80 - 120	20
Selenium	ND	50	86.6	88.3	1.93	10	91.6	105	13.9	70 - 130	20	80 - 120	20
Silver	ND	50	99.5	100	0.940	10	91.4	104	12.7	70 - 130	20	80 - 120	20
Thallium	ND	50	96.7	97.2	0.578	10	86.2	97.7	12.5	70 - 130	20	80 - 120	20
Vanadium	32	50	85.9	88.2	1.58	10	88.7	101	13.0	70 - 130	20	80 - 120	20
Zinc	25	500	99.3	101	1.33	100	90.5	103	13.2	70 - 130	20	80 - 120	20
%SS:	127	250	119	120	1.07	250	105	120	13.1	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34510 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803527-001A	03/19/08 4:40 PM	03/20/08	03/24/08 7:45 PM	0803527-001A	03/19/08 4:40 PM	03/20/08	03/24/08 11:55 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803527

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 34507 Spiked Sample ID: 0803513-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	99.8	105	4.79	100	108	8.16	70 - 130	20	70 - 130	20
MTBE	ND	0.10	88.7	93.9	5.69	93.7	96.6	3.07	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.3	88.2	2.33	99.7	96.9	2.80	70 - 130	20	70 - 130	20
Toluene	ND	0.10	83.8	82.6	1.47	111	107	3.05	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	91.3	89.9	1.54	108	104	3.69	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	84.7	85.1	0.506	116	114	2.37	70 - 130	20	70 - 130	20
%SS:	90	0.10	83	82	1.94	97	95	2.59	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34507 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803527-001A	03/19/08 4:40 PM	03/20/08	03/21/08 10:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803527

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34473** **Spiked Sample ID: 0803513-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	90.1	91	0.968	111	110	1.46	70 - 130	30	70 - 130	30
%SS:	115	50	106	101	5.02	99	97	2.48	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34473 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803527-001A	03/19/08 4:40 PM	03/20/08	03/27/08 10:09 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	03/24/08
55 New Montgomery St, Ste 507		Date Received:	03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	03/28/08
	Client P.O.:	Date Completed:	03/27/08

WorkOrder: 0803616

March 31, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803616

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 3/25/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Campbell Project No.: 2007-014
Sampler: Signature: J. Campbell Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-293	Doyle Drive	3/24/09	11:40	1	SS		X				X											
AEW-294			11:45	1	SS		X				X											
AEW-295			11:50	1	SS		X				X											
AEW-296			11:55	1	SS		X				X											Composite #23
AEW-297			12:00	1	SS		X				X											
AEW-302		3/25/09	09:05	1	SS		X				X											
AEW-303			09:10	1	SS		X				X											
AEW-304			09:15	1	SS		X				X											
AEW 305			09:20	1	SS		X				X											
AEW-306			09:25	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. Campbell	3/25/09	13:30	Randall Young
Randall Young	3/25/09	14:00	
	3/25/09	1700	Yul Vall

Remarks:

ICE/t° 6.1°
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803616 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/25/2008
Date Printed: 03/25/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803616-001	Composite #28	Soil	3/24/2008 11:40	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/25/08 5:10:05 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0803616** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received 03/25/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted 03/25/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/27/08

CAM / CCR 17 Metals*

Lab ID	0803616-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #28					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803616

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	0.91				0.5	NA
Barium	47				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	140				0.5	NA
Cobalt	20				0.5	NA
Copper	6.3				0.5	NA
Lead	1.8				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	370				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	18				0.5	NA
Zinc	12				5.0	NA
%SS:	118					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/26/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803616

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #28	S	5.2,g	ND	ND	ND	ND	0.0073	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/26/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803616

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803616-001A	Composite #28	S	3.7,g,k/n	6.3	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803616

EPA Method 6020A **Extraction SW3050B** **BatchID: 34569** **Spiked Sample ID 0803597-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	97.8	98.2	0.445	10	102	95.7	6.39	70 - 130	20	80 - 120	20
Arsenic	5.4	50	91.1	92	0.899	10	99.9	92.8	7.36	70 - 130	20	80 - 120	20
Barium	100	500	95.7	96.2	0.463	100	103	96.4	6.83	70 - 130	20	80 - 120	20
Beryllium	ND	50	86.5	87.4	1.05	10	103	96.9	5.82	70 - 130	20	80 - 120	20
Cadmium	ND	50	94.1	95.2	1.16	10	103	95.7	7.69	70 - 130	20	80 - 120	20
Chromium	40	50	80.9	82.1	0.722	10	97.9	92.6	5.53	70 - 130	20	80 - 120	20
Cobalt	18	50	89.8	89.9	0.0949	10	105	98.7	6.35	70 - 130	20	80 - 120	20
Copper	450	50	NR	NR	NR	10	100	95.2	5.20	70 - 130	20	80 - 120	20
Lead	14	50	91.8	92.2	0.368	10	102	95.3	6.48	70 - 130	20	80 - 120	20
Mercury	0.68	1.25	89.7	89.7	0	0.25	105	96.4	8.58	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	94.4	96.1	1.72	10	100	93.9	6.52	70 - 130	20	80 - 120	20
Nickel	32	50	86	86.8	0.548	10	94.9	89.6	5.71	70 - 130	20	80 - 120	20
Selenium	0.90	50	88.2	88.4	0.200	10	98.8	91.7	7.49	70 - 130	20	80 - 120	20
Silver	ND	50	90.2	91.8	1.82	10	100	94.2	6.52	70 - 130	20	80 - 120	20
Thallium	ND	50	93.5	94.9	1.49	10	98	92.4	5.84	70 - 130	20	80 - 120	20
Vanadium	90	50	74.7	75.7	0.391	10	98.4	93.3	5.32	70 - 130	20	80 - 120	20
Zinc	65	500	94.9	95.8	0.812	100	106	97.9	7.62	70 - 130	20	80 - 120	20
%SS:	106	250	100	101	0.836	250	99	93	6.18	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34569 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803616-001A	03/24/08 11:40 AM	03/25/08	03/27/08 2:43 AM	0803616-001A	03/24/08 11:40 AM	03/25/08	03/27/08 11:06 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803616

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34578 Spiked Sample ID: 0803635-019A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	97.3	99.2	1.88	104	104	0	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	96.6	7.12	96.6	95.3	1.41	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.7	91.1	0.417	102	99.9	2.21	70 - 130	20	70 - 130	20
Toluene	ND	0.10	82.3	81.7	0.685	116	114	2.31	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.8	95.4	0.448	111	109	2.55	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	90.4	90	0.511	120	117	2.07	70 - 130	20	70 - 130	20
%SS:	93	0.10	84	83	1.83	100	98	2.41	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34578 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803616-001A	03/24/08 11:40 AM	03/25/08	03/26/08 11:32 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803616

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34554** **Spiked Sample ID: 0803596-008B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	105	1.25	107	107	0	70 - 130	30	70 - 130	30
%SS:	103	50	102	99	3.10	109	110	0.850	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34554 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803616-001A	03/24/08 11:40 AM	03/25/08	03/26/08 11:36 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	03/24/08
55 New Montgomery St, Ste 507		Date Received:	03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	04/08/08
	Client P.O.:	Date Completed:	04/08/08

WorkOrder: 0803616

April 08, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803616

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 3/25/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Add TEPA WET for Cr, Wet for Ni on 4/2/09 on STANDBY Per Email	Other	Comments
AEW-293	Doyle Drive	3/24/09	11:40	1	SS		X				X												
AEW-294			11:45	1	SS		X				X												
AEW-295			11:50	1	SS		X				X												
AEW-296			11:55	1	SS		X				X												Composite #23
AEW-297			12:00	1	SS		X				X												
AEW-302		3/25/09	09:05	1	SS		X				X												
AEW-303			09:10	1	SS		X				X												
AEW-304			09:15	1	SS		X				X												
AEW 305			09:20	1	SS		X				X												
AEW-306			09:25	1	SS		X				X												

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	3/25/09	13:30	Randy Young
Randy Young	3/25/09	1430	
	3/25/09	1900	Yul Vall

Remarks:

ICE / t° 6.1°
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080361 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/25/2008
Date Add-On: 04/02/2008
Date Printed: 04/02/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803616-001	Composite #28	Soil	3/24/2008 11:40	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Added Wet and TCLP for CR, WET for nickel on 04/02/08 on STANDARD TAT per email.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 04/02/08-04/04/08
	Client P.O.:	Date Analyzed: 04/07/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0803616

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #28	S	WET	2.7	12	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 04/02/08-04/03/08
	Client P.O.:	Date Analyzed 04/04/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0803616

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803616-001A	Composite #28	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803616

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 34730** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	88.8	86.4	2.73	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	96.8	95.3	1.58	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34730 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803616-001A	03/24/08 11:40 AM	04/02/08	04/07/08 3:11 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803616

EPA Method SW6010C **Extraction SW1311** **BatchID: 34698** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	92.3	94	1.83	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34698 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803616-001A	03/24/08 11:40 AM	04/02/08	04/04/08 9:45 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	03/24/08
55 New Montgomery St, Ste 507		Date Received:	03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	04/02/08
	Client P.O.:	Date Completed:	04/01/08

WorkOrder: 0803617

April 02, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0802617

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 3/25/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-291	Doyle Drive	3/24/08	11:30	1	SS		X				X											Composite #29
AEW-301		3/25/08	09:00	1	SS		X				X											
AEW-309			09:40	1	SS		X				X											
AEW-310			09:45	1	SS		X				X											
AEW-311			09:50	1	SS		X				X											
AEW-312			09:55	1	SS		X				X											
AEW-313			10:00	1	SS		X				X											
AEW-316			10:15	1	SS		X				X											
AEW-317			10:20	1	SS		X				X											
AEW-318		3/25/08	10:25	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	3/25/08	17:30	Randall Young
Randall Young	3/25/08	18	
Relinquished By:	Date:	Time:	Received By:

Remarks:

ICE/t° 6.1°C
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803617 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/25/2008
Date Printed: 03/25/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803617-001	Composite #29	Soil	3/24/2008 11:30	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/25/08 5:14:27 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0803617** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/28/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0803617

Lab ID	0803617-001A				Reporting Limit for DF =1	
Client ID	Composite #29					
Matrix	S					
DF	5				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.12				0.025	NA
Aroclor1221	ND<0.12				0.025	NA
Aroclor1232	ND<0.12				0.025	NA
Aroclor1242	ND<0.12				0.025	NA
Aroclor1248	ND<0.12				0.025	NA
Aroclor1254	ND<0.12				0.025	NA
Aroclor1260	ND<0.12				0.025	NA
PCBs, total	ND<0.12				0.025	NA
Surrogate Recoveries (%)						
%SS:	91					
Comments	j					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

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Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 03/25/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/29/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803617

Lab ID	0803617-001A
Client ID	Composite #29
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.077	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	94	%SS2:	101
%SS3:	103		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 04/02/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0803617

Lab ID	0803617-001A				Reporting Limit for DF =1	
Client ID	Composite #29					
Matrix	S					
DF	2				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.010				0.005	NA
Acenaphthylene	ND<0.010				0.005	NA
Anthracene	ND<0.010				0.005	NA
Benzo(a)anthracene	ND<0.010				0.005	NA
Benzo(a)pyrene	ND<0.010				0.005	NA
Benzo(b)fluoranthene	ND<0.010				0.005	NA
Benzo(g,h,i)perylene	ND<0.010				0.005	NA
Benzo(k)fluoranthene	ND<0.010				0.005	NA
Chrysene	ND<0.010				0.005	NA
Dibenzo(a,h)anthracene	ND<0.010				0.005	NA
Fluoranthene	ND<0.010				0.005	NA
Fluorene	ND<0.010				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.010				0.005	NA
1-Methylnaphthalene	ND<0.010				0.005	NA
2-Methylnaphthalene	ND<0.010				0.005	NA
Naphthalene	ND<0.010				0.005	NA
Phenanthrene	ND<0.010				0.005	NA
Pyrene	ND<0.010				0.005	NA
Surrogate Recoveries (%)						
%SS1	97					
%SS2	103					
Comments	j					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received 03/25/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted 03/25/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/29/08

CAM / CCR 17 Metals*

Lab ID	0803617-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #29					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803617

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	1.7				0.5	NA
Barium	92				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	64				0.5	NA
Cobalt	6.3				0.5	NA
Copper	11				0.5	NA
Lead	10				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	0.75				0.5	NA
Nickel	62				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	37				0.5	NA
Zinc	23				5.0	NA
%SS:	123					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/28/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803617

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #29	S	1.7,g	ND	ND	0.015	ND	ND	1	70

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/27/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803617

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803617-001A	Composite #29	S	6.0,g,d	39	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34551** **Spiked Sample ID: 0803564-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	104	99.2	5.08	98.3	98.7	0.422	60 - 130	30	60 - 130	30
Benzene	ND	0.050	111	104	6.63	103	106	3.27	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	92.9	91.6	1.36	88.5	94.5	6.58	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	101	101	0	94.8	97.3	2.62	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	107	109	1.14	101	104	3.03	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	107	103	3.20	101	103	1.97	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	121	109	10.3	114	114	0	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	115	107	6.99	109	109	0	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	104	100	3.93	99.4	99.4	0	60 - 130	30	60 - 130	30
Toluene	ND	0.050	110	106	4.05	102	106	4.18	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	95.9	91.8	4.45	89.2	91.8	2.80	60 - 130	30	60 - 130	30
%SS1:	100	0.050	98	108	9.19	99	99	0	70 - 130	30	70 - 130	30
%SS2:	101	0.050	103	102	0.588	102	103	0.627	70 - 130	30	70 - 130	30
%SS3:	99	0.050	84	85	0.406	85	84	0.672	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34551 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	03/25/08	03/29/08 5:38 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method SW8082A **Extraction SW3550C** **BatchID: 34570** **Spiked Sample ID: 0803608-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	105	105	0	104	105	0.995	70 - 130	20	70 - 130	20
%SS:	101	0.050	101	101	0	100	101	0.380	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34570 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	03/25/08	03/28/08 4:28 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method SW8270C **Extraction SW3550C** **BatchID: 34515** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	88.2	85.9	2.69	82.3	83.2	1.08	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	105	100	4.53	83.8	83.7	0.0969	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	94.2	92.1	2.26	104	104	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	95.4	94.8	0.652	96.6	96.1	0.463	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	82.7	80.7	2.43	89.4	89.3	0.103	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	67.9	66.6	1.96	78.2	77.6	0.780	30 - 130	30	30 - 130	30
%SS1:	72	0.050	73	71	2.27	76	76	0	30 - 130	30	30 - 130	30
%SS2:	72	0.050	74	72	2.19	84	84	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34515 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	03/25/08	04/02/08 7:13 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method 6020A **Extraction SW3050B** **BatchID: 34569** **Spiked Sample ID 0803597-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	97.8	98.2	0.445	10	102	95.7	6.39	70 - 130	20	80 - 120	20
Arsenic	5.4	50	91.1	92	0.899	10	99.9	92.8	7.36	70 - 130	20	80 - 120	20
Barium	100	500	95.7	96.2	0.463	100	103	96.4	6.83	70 - 130	20	80 - 120	20
Beryllium	ND	50	86.5	87.4	1.05	10	103	96.9	5.82	70 - 130	20	80 - 120	20
Cadmium	ND	50	94.1	95.2	1.16	10	103	95.7	7.69	70 - 130	20	80 - 120	20
Chromium	40	50	80.9	82.1	0.722	10	97.9	92.6	5.53	70 - 130	20	80 - 120	20
Cobalt	18	50	89.8	89.9	0.0949	10	105	98.7	6.35	70 - 130	20	80 - 120	20
Copper	450	50	NR	NR	NR	10	100	95.2	5.20	70 - 130	20	80 - 120	20
Lead	14	50	91.8	92.2	0.368	10	102	95.3	6.48	70 - 130	20	80 - 120	20
Mercury	0.68	1.25	89.7	89.7	0	0.25	105	96.4	8.58	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	94.4	96.1	1.72	10	100	93.9	6.52	70 - 130	20	80 - 120	20
Nickel	32	50	86	86.8	0.548	10	94.9	89.6	5.71	70 - 130	20	80 - 120	20
Selenium	0.90	50	88.2	88.4	0.200	10	98.8	91.7	7.49	70 - 130	20	80 - 120	20
Silver	ND	50	90.2	91.8	1.82	10	100	94.2	6.52	70 - 130	20	80 - 120	20
Thallium	ND	50	93.5	94.9	1.49	10	98	92.4	5.84	70 - 130	20	80 - 120	20
Vanadium	90	50	74.7	75.7	0.391	10	98.4	93.3	5.32	70 - 130	20	80 - 120	20
Zinc	65	500	94.9	95.8	0.812	100	106	97.9	7.62	70 - 130	20	80 - 120	20
%SS:	106	250	100	101	0.836	250	99	93	6.18	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34569 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	03/25/08	03/29/08 4:02 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34578 Spiked Sample ID: 0803635-019A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	97.3	99.2	1.88	104	104	0	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	96.6	7.12	96.6	95.3	1.41	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.7	91.1	0.417	102	99.9	2.21	70 - 130	20	70 - 130	20
Toluene	ND	0.10	82.3	81.7	0.685	116	114	2.31	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.8	95.4	0.448	111	109	2.55	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	90.4	90	0.511	120	117	2.07	70 - 130	20	70 - 130	20
%SS:	93	0.10	84	83	1.83	100	98	2.41	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34578 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	03/25/08	03/28/08 12:05 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34554** **Spiked Sample ID: 0803596-008B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	105	1.25	107	107	0	70 - 130	30	70 - 130	30
%SS:	103	50	102	99	3.10	109	110	0.850	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34554 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	03/25/08	03/27/08 12:43 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported: 04/02/08
	Client P.O.:	Date Completed: 04/08/08

WorkOrder: 0803617

April 08, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0802617

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 3/25/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Analysis Request: ALL WEEKS ON 4-2-08	STANDARD TAT, PER EMAIL	Other	Comments
AEW-291	Doyle Drive	3/24/08	11:30	1	SS		X				X													Composite #29
AEW-301		3/25/08	09:00	1	SS		X				X													
AEW-309			09:40	1	SS		X				X													
AEW-310			09:45	1	SS		X				X													
AEW-311			09:50	1	SS		X				X													
AEW-312			09:55	1	SS		X				X													
AEW-313			10:00	1	SS		X				X													
AEW-316			10:15	1	SS		X				X													
AEW-317			10:20	1	SS		X				X													
AEW-318		3/25/08	10:25	1	SS		X				X													

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	3/25/08	13:30	Randall Young
Randall Young	3/25/08	15	
	3/25/08	900	Mike Fell

Remarks:

ICE/t° 6.1°
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080361 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/25/2008
Date Add-On: 04/02/2008
Date Printed: 04/02/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803617-001	Composite #29	Soil	3/24/2008 11:30	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Added WET CR on 04/02/08 on STANDARD TAT per email.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 04/02/08-04/04/08
	Client P.O.:	Date Analyzed 04/07/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0803617

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803617-001A	Composite #29	S	WET	0.86	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803617

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 34730** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	88.8	86.4	2.73	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34730 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803617-001A	03/24/08 11:30 AM	04/02/08	04/07/08 3:13 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

_____ QA/QC Officer

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	03/24/08
55 New Montgomery St, Ste 507		Date Received:	03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	04/01/08
	Client P.O.:	Date Completed:	04/01/08

WorkOrder: 0803618

April 01, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803618

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 3/25/08

Report To: Randy Young — eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. — Project No.: 2007-014

Project Name: Doyle Drive — Location: San Francisco

Sampler: Joe LaPlante — Project No.: 2007-014

Sampler: Signature: [signature] — Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-278	Doyle Drive	3/24/08	10:00	1	SS		X				X									X		
AEW-279			10:05	1	SS		X				X									X		
AEW-280			10:10	1	SS		X				X									X		
AEW-281			10:20	1	SS		X				X									X		
AEW-286			10:55	1	SS		X				X									X		Composite
AEW-287			11:00	1	SS		X				X									X		#30
AEW-288			11:10	1	SS		X				X									X		
AEW-289			11:20	1	SS		X				X									X		
AEW-290		3/24/08	11:25	1	SS		X				X									X		
AEW-307		3/25/08	09:30	1	SS		X				X									X		

Relinquished By:	Date:	Time:	Received By:
[signature]	3/25/08	13:30	Randall Young
Randall Young	3/25/08	1:45	[signature]
[signature]	3/25/08	[illegible]	Joe Vall

Remarks:

ICE / t° 6.1°C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___

PRESERVATION	VOAS	O & G	METALS	OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803618 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/25/2008
Date Printed: 03/25/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803618-001	Composite #30	Soil	3/24/2008 10:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/25/08 5:29:11 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0803618** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/30/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0803618

Lab ID	0803618-001A				Reporting Limit for DF =1	
Client ID	Composite #30					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	107					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content/matrix interference; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (p) see attached narrative; q) reporting limit raised due to insufficient sample amount; (r) results are reported on a dry weight basis;

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Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 03/25/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/29/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0803618

Lab ID	0803618-001A
Client ID	Composite #30
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.084	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.004
1,2-Dibromoethane (EDB)	ND	1.0	0.004	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	0.031	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	95	%SS2:	101
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/28/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0803618

Lab ID	0803618-001A				Reporting Limit for DF =1	
Client ID	Composite #30					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	69					
%SS2	70					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; p) see attached narrative; r) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received 03/25/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted 03/25/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/29/08

CAM / CCR 17 Metals*

Lab ID	0803618-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #30					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803618

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.3				0.5	NA
Barium	84				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	51				0.5	NA
Cobalt	7.7				0.5	NA
Copper	35				0.5	NA
Lead	42				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	1.7				0.5	NA
Nickel	74				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	30				0.5	NA
Zinc	51				5.0	NA
%SS:	129					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/27/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803618

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #30	S	1.3,m	ND	ND	0.035	ND	0.016	1	---#

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/28/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803618

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803618-001A	Composite #30	S	21,g,b	59	5	94

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method SW8082A **Extraction SW3550C** **BatchID: 34570** **Spiked Sample ID: 0803608-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	105	105	0	104	105	0.995	70 - 130	20	70 - 130	20
%SS:	101	0.050	101	101	0	100	101	0.380	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34570 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	03/25/08	03/30/08 4:32 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method SW8260B **Extraction SW5030B** **BatchID: 34551** **Spiked Sample ID: 0803564-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	104	99.2	5.08	98.3	98.7	0.422	60 - 130	30	60 - 130	30
Benzene	ND	0.050	111	104	6.63	103	106	3.27	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	92.9	91.6	1.36	88.5	94.5	6.58	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	101	101	0	94.8	97.3	2.62	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	107	109	1.14	101	104	3.03	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	107	103	3.20	101	103	1.97	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	121	109	10.3	114	114	0	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	115	107	6.99	109	109	0	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	104	100	3.93	99.4	99.4	0	60 - 130	30	60 - 130	30
Toluene	ND	0.050	110	106	4.05	102	106	4.18	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	95.9	91.8	4.45	89.2	91.8	2.80	60 - 130	30	60 - 130	30
%SS1:	100	0.050	98	108	9.19	99	99	0	70 - 130	30	70 - 130	30
%SS2:	101	0.050	103	102	0.588	102	103	0.627	70 - 130	30	70 - 130	30
%SS3:	99	0.050	84	85	0.406	85	84	0.672	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34551 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	03/25/08	03/29/08 6:21 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34578 Spiked Sample ID: 0803635-019A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	97.3	99.2	1.88	104	104	0	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	96.6	7.12	96.6	95.3	1.41	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.7	91.1	0.417	102	99.9	2.21	70 - 130	20	70 - 130	20
Toluene	ND	0.10	82.3	81.7	0.685	116	114	2.31	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.8	95.4	0.448	111	109	2.55	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	90.4	90	0.511	120	117	2.07	70 - 130	20	70 - 130	20
%SS:	93	0.10	84	83	1.83	100	98	2.41	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34578 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	03/25/08	03/27/08 11:04 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method SW8270C **Extraction SW3550C** **BatchID: 34515** **Spiked Sample ID: 0803524-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	88.2	85.9	2.69	82.3	83.2	1.08	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	105	100	4.53	83.8	83.7	0.0969	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	94.2	92.1	2.26	104	104	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	95.4	94.8	0.652	96.6	96.1	0.463	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	82.7	80.7	2.43	89.4	89.3	0.103	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	67.9	66.6	1.96	78.2	77.6	0.780	30 - 130	30	30 - 130	30
%SS1:	72	0.050	73	71	2.27	76	76	0	30 - 130	30	30 - 130	30
%SS2:	72	0.050	74	72	2.19	84	84	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34515 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	03/25/08	03/28/08 2:14 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34554** **Spiked Sample ID: 0803596-008B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	105	1.25	107	107	0	70 - 130	30	70 - 130	30
%SS:	103	50	102	99	3.10	109	110	0.850	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34554 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	03/25/08	03/28/08 4:21 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method 6020A **Extraction SW3050B** **BatchID: 34569** **Spiked Sample ID 0803597-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	97.8	98.2	0.445	10	102	95.7	6.39	70 - 130	20	80 - 120	20
Arsenic	5.4	50	91.1	92	0.899	10	99.9	92.8	7.36	70 - 130	20	80 - 120	20
Barium	100	500	95.7	96.2	0.463	100	103	96.4	6.83	70 - 130	20	80 - 120	20
Beryllium	ND	50	86.5	87.4	1.05	10	103	96.9	5.82	70 - 130	20	80 - 120	20
Cadmium	ND	50	94.1	95.2	1.16	10	103	95.7	7.69	70 - 130	20	80 - 120	20
Chromium	40	50	80.9	82.1	0.722	10	97.9	92.6	5.53	70 - 130	20	80 - 120	20
Cobalt	18	50	89.8	89.9	0.0949	10	105	98.7	6.35	70 - 130	20	80 - 120	20
Copper	450	50	NR	NR	NR	10	100	95.2	5.20	70 - 130	20	80 - 120	20
Lead	14	50	91.8	92.2	0.368	10	102	95.3	6.48	70 - 130	20	80 - 120	20
Mercury	0.68	1.25	89.7	89.7	0	0.25	105	96.4	8.58	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	94.4	96.1	1.72	10	100	93.9	6.52	70 - 130	20	80 - 120	20
Nickel	32	50	86	86.8	0.548	10	94.9	89.6	5.71	70 - 130	20	80 - 120	20
Selenium	0.90	50	88.2	88.4	0.200	10	98.8	91.7	7.49	70 - 130	20	80 - 120	20
Silver	ND	50	90.2	91.8	1.82	10	100	94.2	6.52	70 - 130	20	80 - 120	20
Thallium	ND	50	93.5	94.9	1.49	10	98	92.4	5.84	70 - 130	20	80 - 120	20
Vanadium	90	50	74.7	75.7	0.391	10	98.4	93.3	5.32	70 - 130	20	80 - 120	20
Zinc	65	500	94.9	95.8	0.812	100	106	97.9	7.62	70 - 130	20	80 - 120	20
%SS:	106	250	100	101	0.836	250	99	93	6.18	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34569 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	03/25/08	03/29/08 4:10 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported: 04/01/08
	Client P.O.:	Date Completed: 04/07/08

WorkOrder: 0803618

April 08, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803618

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 3/25/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaPlante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Wet Wt for CR 6 4-2-08 Standard TAT per email.	Other	Comments
AEW-278	Doyle Drive	3/24/08	10:00	1	SS		X				X										X		
AEW-279			10:05	1	SS		X				X										X		
AEW-280			10:10	1	SS		X				X										X		
AEW-281			10:20	1	SS		X				X										X		
AEW-286			10:55	1	SS		X				X										X		Composite
AEW-287			11:00	1	SS		X				X										X		#30
AEW-288			11:10	1	SS		X				X										X		
AEW-289			11:20	1	SS		X				X										X		
AEW-290		3/24/08	11:25	1	SS		X				X										X		
AEW-307		3/25/08	09:30	1	SS		X				X										X		

Relinquished By:	Date:	Time:	Received By:
[signature]	3/25/08	13:30	Randall Young
Randall Young	3/25/08	1:45	[signature]
[signature]	3/25/08	1:00	Mike Vall

Remarks:

ICE / t° 6.1°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____

PRESERVATION: VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080361 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/25/2008
Date Add-On: 04/02/2008
Date Printed: 04/02/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803618-001	Composite #30	Soil	3/24/2008 10:00	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Added WET for CR on 04/02/08 on a STANDARD TATper email.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 04/02/08-04/04/08
	Client P.O.:	Date Analyzed 04/07/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0803618

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803618-001A	Composite #30	S	WET	1.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803618

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 34730** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	88.8	86.4	2.73	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34730 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803618-001A	03/24/08 10:00 AM	04/02/08	04/07/08 3:16 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

_____ QA/QC Officer

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	03/24/08
55 New Montgomery St, Ste 507		Date Received:	03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	04/01/08
	Client P.O.:	Date Completed:	03/31/08

WorkOrder: 0803619

April 01, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803619

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 3/25/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. [illegible] Project No.: 2007-014
Sampler: Signature: [illegible] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-282	Doyle Drive	3/24/08	10:25	1	SS		X				X											Composite #31
AEW-283			10:30	1	SS		X				X											
AEW-284			10:40	1	SS		X				X											
AEW-285			10:50	1	SS		X				X											
AEW-298			12:05	1	SS		X				X											
AEW-299			12:15	1	SS		X				X											
AEW-300			12:20	1	SS		X				X											
AEW-292		3/24/08	11:35	1	SS		X				X											
AEW-303		3/25/08	09:35	1	SS		X				X											
AEW-314			10:05	1	SS		X				X											
AEW-315		3/25/08	10:10	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
[illegible]	3/25/08	13:30	Randall Young
Randall Young	3/25/08	1:48	[illegible]
	3/25/08	[illegible]	[illegible]

Remarks:

ICE/t° 6.1°C
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0803619 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 03/25/2008
Date Printed: 03/25/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803619-001	Composite #31	Soil	3/24/2008 10:25	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **3/25/08 5:33:44 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0803619** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received 03/25/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted 03/25/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 03/29/08-03/31/08

CAM / CCR 17 Metals*

Lab ID	0803619-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #31					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0803619

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	1.7				0.5	NA
Barium	79				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	160				0.5	NA
Cobalt	17				0.5	NA
Copper	25				0.5	NA
Lead	7.9				0.5	NA
Mercury	0.21				0.05	NA
Molybdenum	1.2				0.5	NA
Nickel	330				0.5	NA
Selenium	ND				0.5	NA
Silver	5.6				0.5	NA
Thallium	ND				0.5	NA
Vanadium	23				0.5	NA
Zinc	24				5.0	NA
%SS:	125					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/27/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0803619

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #31	S	25,g	ND	ND	0.0055	ND	0.0065	1	60,#
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 03/25/08
	Client P.O.:	Date Analyzed 03/27/08

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0803619

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0803619-001A	Composite #31	S	63,g,k	84	1	115

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803619

EPA Method 6020A **Extraction SW3050B** **BatchID: 34569** **Spiked Sample ID 0803597-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	97.8	98.2	0.445	10	102	95.7	6.39	70 - 130	20	80 - 120	20
Arsenic	5.4	50	91.1	92	0.899	10	99.9	92.8	7.36	70 - 130	20	80 - 120	20
Barium	100	500	95.7	96.2	0.463	100	103	96.4	6.83	70 - 130	20	80 - 120	20
Beryllium	ND	50	86.5	87.4	1.05	10	103	96.9	5.82	70 - 130	20	80 - 120	20
Cadmium	ND	50	94.1	95.2	1.16	10	103	95.7	7.69	70 - 130	20	80 - 120	20
Chromium	40	50	80.9	82.1	0.722	10	97.9	92.6	5.53	70 - 130	20	80 - 120	20
Cobalt	18	50	89.8	89.9	0.0949	10	105	98.7	6.35	70 - 130	20	80 - 120	20
Copper	450	50	NR	NR	NR	10	100	95.2	5.20	70 - 130	20	80 - 120	20
Lead	14	50	91.8	92.2	0.368	10	102	95.3	6.48	70 - 130	20	80 - 120	20
Mercury	0.68	1.25	89.7	89.7	0	0.25	105	96.4	8.58	70 - 130	20	80 - 120	20
Molybdenum	1.1	50	94.4	96.1	1.72	10	100	93.9	6.52	70 - 130	20	80 - 120	20
Nickel	32	50	86	86.8	0.548	10	94.9	89.6	5.71	70 - 130	20	80 - 120	20
Selenium	0.90	50	88.2	88.4	0.200	10	98.8	91.7	7.49	70 - 130	20	80 - 120	20
Silver	ND	50	90.2	91.8	1.82	10	100	94.2	6.52	70 - 130	20	80 - 120	20
Thallium	ND	50	93.5	94.9	1.49	10	98	92.4	5.84	70 - 130	20	80 - 120	20
Vanadium	90	50	74.7	75.7	0.391	10	98.4	93.3	5.32	70 - 130	20	80 - 120	20
Zinc	65	500	94.9	95.8	0.812	100	106	97.9	7.62	70 - 130	20	80 - 120	20
%SS:	106	250	100	101	0.836	250	99	93	6.18	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34569 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803619-001A	03/24/08 10:25 AM	03/25/08	03/29/08 4:19 AM	0803619-001A	03/24/08 10:25 AM	03/25/08	03/31/08 4:47 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803619

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34578 Spiked Sample ID: 0803635-019A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	0.60	97.3	99.2	1.88	104	104	0	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	96.6	7.12	96.6	95.3	1.41	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.7	91.1	0.417	102	99.9	2.21	70 - 130	20	70 - 130	20
Toluene	ND	0.10	82.3	81.7	0.685	116	114	2.31	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.8	95.4	0.448	111	109	2.55	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	90.4	90	0.511	120	117	2.07	70 - 130	20	70 - 130	20
%SS:	93	0.10	84	83	1.83	100	98	2.41	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34578 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803619-001A	03/24/08 10:25 AM	03/25/08	03/27/08 10:02 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0803619

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 34554** **Spiked Sample ID: 0803596-008B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	106	105	1.25	107	107	0	70 - 130	30	70 - 130	30
%SS:	103	50	102	99	3.10	109	110	0.850	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34554 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803619-001A	03/24/08 10:25 AM	03/25/08	03/27/08 5:07 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported: 04/01/08
	Client P.O.:	Date Completed: 04/08/08

WorkOrder: 0803619

April 08, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

This is a preliminary report that contains incomplete data or data that has not been fully validated. Caution should be exercised in the use of any data presented as final reported results may not reflect the values presented.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0803619

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ ☒ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
McCampbell				

Date: 3/25/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. [illegible] Project No.: 2007-014
Sampler: Signature: [illegible] Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B); WAIVED WET AND TCLP FOR CR. WET FOR NICKEL ON 4-2-08 ON STANDARD TAT RESUBMIT

Other | Comments

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	WAIVED WET AND TCLP FOR CR.	WET FOR NICKEL ON 4-2-08	ON STANDARD TAT RESUBMIT	Other	Comments
AEW-292	Doyle Drive	3/24/08	10:25	1	SS		X				X														Composite #31
AEW-293			10:30	1	SS		X				X														
AEW-294			10:40	1	SS		X				X														
AEW-295			10:50	1	SS		X				X														
AEW-298			12:05	1	SS		X				X														
AEW-299			12:15	1	SS		X				X														
AEW-300			12:20	1	SS		X				X														
AEW-292		3/24/08	11:35	1	SS		X				X														
AEW-308		3/25/08	09:35	1	SS		X				X														
AEW-314			10:05	1	SS		X				X														
AEW-315		3/25/08	10:10	1	SS		X				X														

Relinquished By:	Date:	Time:	Received By:
[illegible]	3/25/08	13:30	Randall Young
Randall Young	3/25/08	18	
Relinquished By:	Date:	Time:	Received By:
	3/25/08		[illegible]

Remarks:

ICE/t° 6.1°
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080361 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 03/25/2008
Date Add-On: 04/02/2008
Date Printed: 04/02/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0803619-001	Composite #31	Soil	3/24/2008 10:25	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Added WET and TCLP for CR, WET for NI on 04/02/08 on a STANDARD TATper email.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
55 New Montgomery St, Ste 507		Date Received: 03/25/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 04/02/08-04/04/08
	Client P.O.:	Date Analyzed: 04/07/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0803619

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #31	S	WET	4.9	20	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 03/24/08
		Date Received: 03/25/08
	Client Contact: Randy Young	Date Extracted: 04/02/08-04/03/08
	Client P.O.:	Date Analyzed 04/04/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0803619

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0803619-001A	Composite #31	S	TCLP	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TCLP	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803619

EPA Method: SW6010C **Extraction: CA Title 22** **BatchID: 34730** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	88.8	86.4	2.73	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	96.8	95.3	1.58	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34730 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803619-001A	03/24/08 10:25 AM	04/02/08	04/07/08 3:18 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0803619

EPA Method: SW6010C **Extraction: SW1311** **BatchID: 34698** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	92.3	94	1.83	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34698 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0803619-001A	03/24/08 10:25 AM	04/02/08	04/04/08 9:48 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

SLA QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	04/23/08
55 New Montgomery St, Ste 507		Date Received:	04/24/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	04/30/08
	Client P.O.:	Date Completed:	04/29/08

WorkOrder: 0804606

April 30, 2008

Dear Randall:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0804606

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☒

Date: 4/23/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: RANDALL YOUNG Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-319	Doyle Dr.	4/23/08	1145	1	SS		X															composite #32
AEW-331			1212	1			X															
AEW-332			1214	1			X															
AEW-333			1220	1			X															
AEW-321			1149	1			X															
AEW-323			1152	1			X															
AEW-325			1155	1			X															
AEW-329			1207	1			X															
AEW-328			1204	1			X															
AEW-330			1210	1			X															

ICE/temp 32°
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
VOAS | O & G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/23/08	1110	
	4/24/08	380	Mel Vall

Remarks: Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: MAF

Date: 4/23/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: RANDALL YOUNG — Project No.: 2007-014
Sampler: Signature: Randall Young — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-320	Doyle Dr	4/23/08	1147	1	SS		X															composite #33
AEW-322			1150	1			X															
AEW-324			1153	1			X															
AEW-326			1157	1			X															
AEW-327			1200	1			X															
AEW-340			1253	1			X															
AEW-341			1255	1			X															
AEW-342			1257	1			X															
AEW-343			1300	1			X															
AEW-346			1305	1			X															

ICE/t°
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION
APPROPRIATE CONTAINERS
PRESERVED IN LAB
VOAS | O & G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/23/08	1600	
Relinquished By:	Date:	Time:	Received By:
	4/23/08	1800	Mike Vall
Relinquished By:	Date:	Time:	Received By:

Remarks: hold samples for 6 months

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAE				☒

Date: 4/23/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: RANDALL YOUNG Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-334	Doyle Dr	4/23/08	1240	1	SS		X															composite #34
AEW-335			1241	1			X															
AEW-336			1245	1			X															
AEW-337			1247	1			X															
AEW-338			1250	1			X															
AEW-339			1252	1			X															
AEW-344			1302	1			X															
AEW-345			1304	1			X															
AEW-347			1308	1			X															
AEW-348			1310	1			X															

ICE / t° ____
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION ____ VOAS | O & G | METALS | OTHER |

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/23/08	1110	

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0804606 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Email: ryoung@aewengineering.com
TEL: (415) 495-8401 FAX: (415) 358-5598
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **04/24/2008**
Date Printed: **04/24/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0804606-001	Composite #32	Soil	4/23/2008 11:45	☐	A	A	A	A								
0804606-002	Composite #33	Soil	4/23/2008 11:47	☐	A	A	A	A								
0804606-003	Composite #34	Soil	4/23/2008 12:40	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **4/24/08 4:47:12 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0804606** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 04/23/08
		Date Received 04/24/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted 04/24/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 04/25/08

CAM / CCR 17 Metals*

Lab ID	0804606-001A	0804606-002A	0804606-003A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #32	Composite #33	Composite #34			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0804606

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	1.9	3.1	2.8		0.5	NA
Barium	37	55	76		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	170	110	51		0.5	NA
Cobalt	26	15	6.2		0.5	NA
Copper	9.1	16	23		0.5	NA
Lead	2.5	3.3	3.5		0.5	NA
Mercury	ND	0.083	0.15		0.05	NA
Molybdenum	0.62	0.82	2.2		0.5	NA
Nickel	460	210	35		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	0.99	2.8		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	26	28	34		0.5	NA
Zinc	22	28	26		5.0	NA
%SS:	100	98	93			

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 04/23/08
55 New Montgomery St, Ste 507		Date Received: 04/24/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 04/24/08
	Client P.O.:	Date Analyzed 04/24/08-04/25/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0804606

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #32	S	37,g,m	ND	ND	ND	ND	ND	1	90
002A	Composite #33	S	30,g	ND<0.50	ND<0.050	ND<0.050	ND<0.050	ND<0.050	10	94
003A	Composite #34	S	43,g,m	ND	ND	0.021	ND	0.012	1	80

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 04/23/08
55 New Montgomery St, Ste 507		Date Received: 04/24/08
	Client Contact: Randall Young	Date Extracted: 04/24/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 04/25/08-04/29/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0804606

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0804606-001A	Composite #32	S	81,n/k,g	62	1	115
0804606-002A	Composite #33	S	750,k	ND<50	10	100
0804606-003A	Composite #34	S	1300,k	ND<100	20	106

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0804606

EPA Method 6020A **Extraction SW3050B** **BatchID: 35120** **Spiked Sample ID 0804483-016A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	113	115	1.66	10	117	120	2.36	70 - 130	20	80 - 120	20
Arsenic	3.3	50	97.9	99.3	1.41	10	99	100	1.38	70 - 130	20	80 - 120	20
Barium	110	500	100	103	2.13	100	105	106	1.30	70 - 130	20	80 - 120	20
Beryllium	ND	50	97	96.9	0.123	10	109	110	0.916	70 - 130	20	80 - 120	20
Cadmium	ND	50	99.7	101	1.17	10	106	108	2.15	70 - 130	20	80 - 120	20
Chromium	61	50	89.7	91.3	0.750	10	99.5	99.5	0	70 - 130	20	80 - 120	20
Cobalt	8.6	50	95.8	96.3	0.389	10	105	106	0.851	70 - 130	20	80 - 120	20
Copper	18	50	94.5	95.3	0.577	10	101	101	0	70 - 130	20	80 - 120	20
Lead	4.4	50	98.3	99.5	1.13	10	108	109	0.365	70 - 130	20	80 - 120	20
Mercury	0.082	1.25	97.9	99.2	1.22	0.25	107	112	4.35	70 - 130	20	80 - 120	20
Molybdenum	ND	50	99.4	101	1.49	10	100	102	1.45	70 - 130	20	80 - 120	20
Nickel	48	50	95.4	96.3	0.449	10	99.5	100	0.531	70 - 130	20	80 - 120	20
Selenium	ND	50	98	98.5	0.567	10	100	98.9	1.13	70 - 130	20	80 - 120	20
Silver	ND	50	114	115	1.31	10	109	112	2.27	70 - 130	20	80 - 120	20
Thallium	ND	50	98.7	99.2	0.504	10	102	102	0	70 - 130	20	80 - 120	20
Vanadium	54	50	91.6	92.2	0.322	10	99.4	98.8	0.636	70 - 130	20	80 - 120	20
Zinc	38	500	101	103	1.37	100	105	106	0.756	70 - 130	20	80 - 120	20
%SS:	118	250	119	120	1.27	250	119	121	1.84	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35120 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804606-001A	04/23/08 11:45 AM	04/24/08	04/25/08 3:31 PM	0804606-001A	04/23/08 11:45 AM	04/24/08	04/25/08 3:56 PM
0804606-002A	04/23/08 11:47 AM	04/24/08	04/25/08 3:40 PM	0804606-002A	04/23/08 11:47 AM	04/24/08	04/25/08 4:05 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0804606

EPA Method 6020A **Extraction SW3050B** **BatchID: 35197** **Spiked Sample ID 0804606-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	98.8	102	3.54	10	99.3	108	8.06	70 - 130	20	80 - 120	20
Arsenic	2.8	50	94.6	98.2	3.47	10	94.2	101	7.08	70 - 130	20	80 - 120	20
Barium	76	500	95.6	98.8	2.90	100	94.3	102	7.92	70 - 130	20	80 - 120	20
Beryllium	ND	50	95	97.3	2.40	10	98.5	106	7.25	70 - 130	20	80 - 120	20
Cadmium	ND	50	94.2	98.3	4.24	10	96.1	103	6.88	70 - 130	20	80 - 120	20
Chromium	51	50	90.9	96.7	2.97	10	94.7	100	5.73	70 - 130	20	80 - 120	20
Cobalt	6.2	50	93.8	96.8	2.86	10	96.8	104	7.38	70 - 130	20	80 - 120	20
Copper	23	50	94.4	98.9	3.18	10	95.5	102	6.46	70 - 130	20	80 - 120	20
Lead	3.5	50	93	96.5	3.42	10	94.6	101	6.80	70 - 130	20	80 - 120	20
Mercury	0.15	1.25	92.1	95.4	3.10	0.25	92.5	101	8.65	70 - 130	20	80 - 120	20
Molybdenum	2.2	50	93.7	98.1	4.39	10	94.4	103	8.22	70 - 130	20	80 - 120	20
Nickel	35	50	94.4	99.4	3.01	10	94.3	102	8.13	70 - 130	20	80 - 120	20
Selenium	ND	50	92.9	97	4.39	10	92.1	98	6.28	70 - 130	20	80 - 120	20
Silver	2.8	50	96.4	100	3.62	10	100	107	6.60	70 - 130	20	80 - 120	20
Thallium	ND	50	94.4	97.8	3.54	10	92.6	99.8	7.53	70 - 130	20	80 - 120	20
Vanadium	34	50	91.6	96.7	3.19	10	94.7	99.7	5.13	70 - 130	20	80 - 120	20
Zinc	26	500	98.6	103	3.93	100	97.1	105	7.97	70 - 130	20	80 - 120	20
%SS:	93	250	93	95	2.26	250	92	96	5.06	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35197 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804606-003A	04/23/08 12:40 PM	04/24/08	04/25/08 3:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0804606

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 35174 Spiked Sample ID: 0804571-008A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	104	106	2.35	115	96.3	17.4	70 - 130	20	70 - 130	20
MTBE	ND	0.10	97.9	97.8	0.117	113	98.3	14.2	70 - 130	20	70 - 130	20
Benzene	ND	0.10	97.4	97.4	0	101	96.8	4.52	70 - 130	20	70 - 130	20
Toluene	ND	0.10	114	115	0.519	124	109	13.1	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	109	110	0.963	111	107	3.22	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	118	121	1.90	121	118	3.09	70 - 130	20	70 - 130	20
%SS:	97	0.10	100	99	1.09	101	99	1.50	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35174 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804606-001A	04/23/08 11:45 AM	04/24/08	04/25/08 2:09 AM	0804606-002A	04/23/08 11:47 AM	04/24/08	04/25/08 4:30 PM
0804606-003A	04/23/08 12:40 PM	04/24/08	04/24/08 11:34 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0804606

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 35196** **Spiked Sample ID: 0804606-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	1300	20	NR	NR	NR	100	98.7	1.41	70 - 130	30	70 - 130	30
%SS:	106	50	104	104	0	113	118	4.23	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35196 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804606-001A	04/23/08 11:45 AM	04/24/08	04/25/08 5:24 PM	0804606-002A	04/23/08 11:47 AM	04/24/08	04/29/08 4:39 PM
0804606-003A	04/23/08 12:40 PM	04/24/08	04/28/08 3:29 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

JR QA/QC Officer

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	04/23/08
55 New Montgomery St, Ste 507		Date Received:	04/24/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	04/30/08
	Client P.O.:	Date Completed:	05/05/08

WorkOrder: 0804606

May 05, 2008

Dear Randall:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0804606

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☒

Date: 4/23/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Analysis Request: Add STLC CR/Ni + TCLP CR/Ni ON 5-1-08 A 24 HR TAT Per email	Other	Comments
AEW-319	Doyle Dr.	4/23/08	1145	1	SS		X																composite #32
AEW-331			1212	1			X																
AEW-332			1214	1			X																
AEW-333			1220	1			X																
AEW-321			1149	1			X																
AEW-323			1152	1			X																
AEW-325			1155	1			X																
AEW-329			1207	1			X																
AEW-328			1204	1			X																
AEW-330			1210	1			X																

ICE/t° 32°
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
VOAS | O & G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/23/08	1110	
	4/23/08	380	Mel Vall

Remarks:
Hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: MAF

Date: 4/23/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDALL YOUNG Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B

Added STLC CR/Ni + TCLP CR/Ni on 5-1-08 on a 24 HR TAT per email.

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	Other	Comments
AEW-320	Doyle Dr	4/23/08	1147	1	SS		X									composite #33
AEW-322			1150	1			X									
AEW-324			1153	1			X									
AEW-326			1157	1			X									
AEW-327			1200	1			X									
AEW-340			1253	1			X									
AEW-341			1255	1			X									
AEW-342			1257	1			X									
AEW-343			1300	1			X									
AEW-346			1305	1			X									

ICE / t°
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVED IN LAB
APPROPRIATE CONTAINERS
PRESERVATION VOCAS | O & G | METALS | OTHER

Relinquished By	Date	Time	Received By
Randall Young	4/23/08	1800	
	4/24/08	380	Mike Vall

Remarks: hold samples for 6 months

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: MAI

Date: 4/23/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: Randall Young — Project No.: 2007-014
Sampler: Signature: Randall Young — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B)

Added STLC CR on 5-1-08 on a 24 HR TAT per email.

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	Other	Comments
AEW-334	Doyle Dr	4/23/08	1240	1	SS		X									composite #34
AEW-335			1241	1			X									
AEW-336			1245	1			X									
AEW-337			1247	1			X									
AEW-338			1250	1			X									
AEW-339			1252	1			X									
AEW-344			1302	1			X									
AEW-345			1304	1			X									
AEW-347			1308	1			X									
AEW-348			1310	1			X									

ICE / t° ____
GOOD CONDITION ____ APPROPRIATE CONTAINERS ____
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER |

Relinquished By:	Date:	Time:	Received By:
Randall Young	4/23/08	1110	
	4/23/08	330	Mike Vall

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080460 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 04/24/2008
Date Add-On: 05/01/2008
Date Printed: 05/02/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0804606-001	Composite #32	Soil	4/23/2008 11:45	☐	A	A										
0804606-002	Composite #33	Soil	4/23/2008 11:47	☐	A	A										
0804606-003	Composite #34	Soil	4/23/2008 12:40	☐	A											

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Added STLC and TCLP for CHROMIUM & NICKEL 001A,002A, and STLC for CHROMIUM 003A on 05/01/08 per email on 24 HR TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 04/23/08
		Date Received: 04/24/08
	Client Contact: Randall Young	Date Extracted: 05/01/08-05/03/08
	Client P.O.:	Date Analyzed 05/05/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0804606

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0804606-003A	Composite #34	S	WET	0.65	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 04/23/08
55 New Montgomery St, Ste 507		Date Received: 04/24/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Extracted: 05/01/08-05/03/08
	Client P.O.:	Date Analyzed: 05/05/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0804606

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #32	S	WET	3.2	16	1	N/A
002A	Composite #33	S	WET	2.1	12	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 04/23/08
		Date Received: 04/24/08
	Client Contact: Randall Young	Date Extracted: 05/01/08-05/02/08
	Client P.O.:	Date Analyzed: 05/02/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0804606

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #32	S	TCLP	ND	1.2	1	N/A
002A	Composite #33	S	TCLP	ND	1.2	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0804606

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 35239** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	93.1	92.1	1.09	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	90.3	94.8	4.85	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35239 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804606-001A	04/23/08 11:45 AM	05/01/08	05/05/08 11:00 AM	0804606-002A	04/23/08 11:47 AM	05/01/08	05/05/08 11:02 AM
0804606-003A	04/23/08 12:40 PM	05/01/08	05/05/08 11:05 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0804606

EPA Method SW6010C **Extraction SW1311** **BatchID: 35341** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	89.7	93.3	3.87	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	91.2	94.2	3.26	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35341 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804606-001A	04/23/08 11:45 AM	05/01/08	05/02/08 4:55 PM	0804606-002A	04/23/08 11:47 AM	05/01/08	05/02/08 4:59 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

JR QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	05/13/08
55 New Montgomery St, Ste 507		Date Received:	05/16/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	05/22/08
	Client P.O.:	Date Completed:	05/21/08

WorkOrder: 0805459

May 22, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0805459

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal Others:

LABORATORY: MAI

Date: 5/14/08 RY

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Randall Young Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-349	Presidio	5/13/08	1005	1	SS tube		X				X											composite #35
AEW-350			1010	1			X				X											
AEW-347			1150	1			X				X											
AEW-348			1200	1			X				X											
AEW-349			1205	1			X				X											
AEW-370			1210	1			X				X											
AEW-371			1215	1			X				X											
AEW-351			1015	1			X				X											
AEW-352			1020	1			X				X											
AEW-353			1030	1			X				X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	5/14/08	1140	[illegible]
[illegible]	5/14/08	2107	[illegible]

Remarks:

ICE / t° ✓

GOOD CONDITION ✓

HEAD SPACE ABSENT ____

DECHLORINATED IN LAB ____

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB ____

VOAS	O & G	METALS	OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: MAI

Date: 5/16/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDALL YOUNG Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-354	Presidio	5/13/08	1035	1	SS Tube		X				X											Composite #36
AEW-355			1040	1			X				X											
AEW-356			1045	1			X				X											
AEW-357			1050	1			X				X											
AEW-358			1055	1			X				X											
AEW-359			1100	1			X				X											
AEW-360			1110	1			X				X											
AEW-361			1115	1			X				X											
AEW-362			1120	1			X				X											
AEW-363			1130	1			X				X											
	RY																					

Relinquished By:	Date:	Time:	Received By:
Randall Young	5/16/08	1140	[signature]
[signature]	5/16/08	2167	Mike Vall

Remarks:

0805459

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD Page 3 of 3

TURN AROUND TIME LABORATORY: MAI

24 HOURS	48 HOUR	24 HOURS	Normal	Others:
	☐		☒	

Date: 5/16/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDALL YOUNG Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-364	Presidio	5/13/08	1135	1	SS tube		X				X											composite #37
AEW-365			1140	1			X				X											
AEW-366			1145	1			X				X											
AEW-372			1220	1			X				X											
AEW-373			1225	1			X				X											
AEW-374		5/15/08	1145	1			X				X											
AEW-375			1150	1			X				X											
AEW-376			1152	1			X				X											
AEW-377			1155	1			X				X											
AEW-378			1158	1			X				X											
AEW-379			1220	1			X				X											
	RY																					

Relinquished By:	Date:	Time:	Received By:
Randall Young	5/16/08	1140	[illegible]
[illegible]	5/16/08	1208	Joe Vail

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0805459 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 05/16/2008
Date Printed: 05/19/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0805459-001	Composite #35	Soil	5/13/2008 10:05	☐	A	A	A	A								
0805459-002	Composite #36	Soil	5/13/2008 10:35	☐	A	A	A	A								
0805459-003	Composite #37	Soil	5/13/2008 11:35	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **5/16/08 6:30:45 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0805459** Matrix Soil

Carrier: Michael Hernandez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 05/13/08
55 New Montgomery St, Ste 507		Date Received 05/16/08
	Client Contact: Randy Young	Date Extracted 05/16/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 05/20/08-05/21/08

CAM / CCR 17 Metals*

Lab ID	0805459-001A	0805459-002A	0805459-003A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #35	Composite #36	Composite #37			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0805459

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	3.9	4.4	2.9		0.5	NA
Barium	120	150	41		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	48	40	130		0.5	NA
Cobalt	7.6	7.2	18		0.5	NA
Copper	22	22	65		0.5	NA
Lead	4.9	9.6	4.0		0.5	NA
Mercury	0.19	0.10	1.0		0.05	NA
Molybdenum	1.1	3.6	1.4		0.5	NA
Nickel	46	52	280		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	ND	12		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	42	31	30		0.5	NA
Zinc	39	43	40		5.0	NA
%SS:	97	95	99			

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 05/13/08
55 New Montgomery St, Ste 507		Date Received: 05/16/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 05/16/08
	Client P.O.:	Date Analyzed 05/20/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0805459

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #35	S	22,g	ND	ND	0.011	ND	0.029	1	75
002A	Composite #36	S	81,g	ND	ND	0.0079	ND	0.0098	1	78
003A	Composite #37	S	35,g	ND	ND	ND	ND	ND	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	05/13/08
55 New Montgomery St, Ste 507		Date Received:	05/16/08
	Client Contact: Randy Young	Date Extracted:	05/16/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed:	05/20/08-05/21/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0805459

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0805459-001A	Composite #35	S	94,k/n,g	49	1	103
0805459-002A	Composite #36	S	780,k	ND<50	10	98
0805459-003A	Composite #37	S	270,k	35	1	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0805459

EPA Method 6020A **Extraction SW3050B** **BatchID: 35705** **Spiked Sample ID 0805464-010A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	104	105	0.954	10	99.4	101	1.60	70 - 130	20	80 - 120	20
Arsenic	16	50	99.1	100	0.726	10	93.7	92.8	0.976	70 - 130	20	80 - 120	20
Barium	220	500	99.8	100	0.445	100	96.4	97.5	1.12	70 - 130	20	80 - 120	20
Beryllium	0.65	50	90.3	87.6	2.93	10	85.5	86.6	1.22	70 - 130	20	80 - 120	20
Cadmium	ND	50	97.3	97.7	0.369	10	95.6	95.8	0.219	70 - 130	20	80 - 120	20
Chromium	56	50	91.4	92.2	0.394	10	94.4	94.4	0	70 - 130	20	80 - 120	20
Cobalt	17	50	95.6	96.7	0.864	10	94.9	96.8	1.93	70 - 130	20	80 - 120	20
Copper	35	50	93.2	93.4	0.147	10	89.4	89.3	0.168	70 - 130	20	80 - 120	20
Lead	8.2	50	96	97.3	1.15	10	91.5	91.2	0.245	70 - 130	20	80 - 120	20
Mercury	ND	1.25	90.3	91.5	1.38	0.25	93.3	92.4	0.905	70 - 130	20	80 - 120	20
Molybdenum	ND	50	98.3	98.5	0.222	10	92.7	93.6	0.956	70 - 130	20	80 - 120	20
Nickel	40	50	93.2	93.3	0.0230	10	94.2	94.1	0.127	70 - 130	20	80 - 120	20
Selenium	ND	50	97.8	97	0.776	10	92.9	93.1	0.280	70 - 130	20	80 - 120	20
Silver	ND	50	97.7	97.5	0.184	10	94.9	95.2	0.274	70 - 130	20	80 - 120	20
Thallium	ND	50	94	95.9	1.97	10	90.1	91.5	1.53	70 - 130	20	80 - 120	20
Vanadium	100	50	92.4	93	0.202	10	97.2	97.7	0.585	70 - 130	20	80 - 120	20
Zinc	80	500	93.2	94.2	0.948	100	94.3	95.8	1.55	70 - 130	20	80 - 120	20
%SS:	100	250	97	96	0.827	250	96	96	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35705 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805459-001A	05/13/08 10:05 AM	05/16/08	05/20/08 11:20 PM	0805459-001A	05/13/08 10:05 AM	05/16/08	05/21/08 5:29 PM
0805459-002A	05/13/08 10:35 AM	05/16/08	05/21/08 1:17 AM	0805459-003A	05/13/08 11:35 AM	05/16/08	05/20/08 11:29 PM
0805459-003A	05/13/08 11:35 AM	05/16/08	05/21/08 6:03 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0805459

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 35649** **Spiked Sample ID: 0805378-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	113	115	1.43	106	104	1.95	70 - 130	30	70 - 130	30
%SS:	118	50	117	118	1.25	106	104	1.56	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35649 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805459-001A	05/13/08 10:05 AM	05/16/08	05/20/08 1:25 PM	0805459-002A	05/13/08 10:35 AM	05/16/08	05/21/08 7:13 PM
0805459-003A	05/13/08 11:35 AM	05/16/08	05/20/08 10:21 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0805459

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 35678 Spiked Sample ID: 0805420-013A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	103	0	102	100	1.92	70 - 130	20	70 - 130	20
MTBE	ND	0.10	109	103	5.07	111	99.3	11.1	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.4	86.3	4.58	95.8	97.8	2.11	70 - 130	20	70 - 130	20
Toluene	ND	0.10	99.9	95.8	4.14	81.6	85.2	4.12	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	98.2	94.7	3.64	96.1	101	4.47	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	109	105	3.42	92.8	97.7	5.10	70 - 130	20	70 - 130	20
%SS:	85	0.10	99	97	1.97	85	89	4.13	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35678 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805459-001A	05/13/08 10:05 AM	05/16/08	05/20/08 4:00 AM	0805459-002A	05/13/08 10:35 AM	05/16/08	05/20/08 4:29 AM
0805459-003A	05/13/08 11:35 AM	05/16/08	05/20/08 9:31 AM	0805459-003A	05/13/08 11:35 AM	05/16/08	05/21/08 1:34 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	05/13/08
55 New Montgomery St, Ste 507		Date Received:	05/16/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	05/30/08
	Client P.O.:	Date Completed:	05/30/08

WorkOrder: 0805459

May 30, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0805459

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☐ Normal ☑ Others:

LABORATORY: MAI

Date: 5/14/08 RY

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-349	Presidio	5/13/08	1005	1	SS tube		X				X						X					composite #35
AEW-350			1010	1			X				X											
AEW-367			1150	1			X				X											
AEW-368			1200	1			X				X											
AEW-369			1205	1			X				X											
AEW-370			1210	1			X				X											
AEW-371			1215	1			X				X											
AEW-351			1015	1			X				X											
AEW-352			1020	1			X				X											
AEW-353			1030	1			X				X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	5/14/08	1140	[illegible]
[illegible]	5/14/08	2107	[illegible]

Remarks: ICE / t° ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ___ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				

Date: 5/16/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: RANDALL YOUNG Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-354	Presidio	5/13/08	1035	1	55 tube		X				X						X					Composite #36
AEW-355			1040	1			X				X											
AEW-356			1045	1			X				X											
AEW-357			1050	1			X				X											
AEW-358			1055	1			X				X											
AEW-359			1100	1			X				X											
AEW-360			1110	1			X				X											
AEW-361			1115	1			X				X											
AEW-362			1120	1			X				X											
AEW-363			1130	1			X				X											
	RY																					

Relinquished By:	Date:	Time:	Received By:
Randall Young	5/16/08	1140	[illegible]
[illegible]	5/16/08	2167	[illegible]

Remarks:

0805459

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: MAI

Date: 5/16/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil w/ Silica Gel Cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B; Added STLC TCLP for CR + Ni 05-23-08 Standard TAT.

Other

Comments

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil w/ Silica Gel Cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Added STLC TCLP for CR + Ni 05-23-08 Standard TAT.	Other	Comments
AEW-364	Presidio	5/13/08	1135	1	SS tube		X				X										X		composite #37
AEW-365			1140	1			X				X												
AEW-366			1145	1			X				X												
AEW-372			1220	1			X				X												
AEW-373			1225	1			X				X												
AEW-374		5/13/08	1145	1			X				X												
AEW-375			1150	1			X				X												
AEW-376			1152	1			X				X												
AEW-377			1155	1			X				X												
AEW-378			1158	1			X				X												
AEW-379			1220	1			X				X												
	RY																						

Relinquished By:	Date:	Time:	Received By:
Randall Young	5/16/08	1140	[illegible]
[illegible]	5/16/08	1208	Joe Vail

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080545 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 05/16/2008
Date Add-On: 05/23/2008
Date Printed: 05/23/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0805459-003	Composite #37	Soil	5/13/2008 11:35	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: Added STLC/TCLP for CR and NI ON A STANDARD TATper email on 05/23/08.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 05/13/08
		Date Received: 05/16/08
	Client Contact: Randy Young	Date Extracted: 05/23/08-05/25/08
	Client P.O.:	Date Analyzed: 05/27/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0805459

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
003A	Composite #37	S	WET	3.8	17	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 05/13/08
		Date Received: 05/16/08
	Client Contact: Randy Young	Date Extracted: 05/23/08-05/24/08
	Client P.O.:	Date Analyzed: 05/27/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0805459

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
003A	Composite #37	S	TCLP	ND	1.9	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0805459

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 35797** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	98.7	102	3.61	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	99.4	102	2.17	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35797 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805459-003A	05/13/08 11:35 AM	05/23/08	05/27/08 5:18 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0805459

EPA Method SW6010C **Extraction SW1311** **BatchID: 35753** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	95.5	98.4	3.03	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	101	96.6	4.69	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 35753 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805459-003A	05/13/08 11:35 AM	05/23/08	05/27/08 11:39 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

JR QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled:	06/02/08
55 New Montgomery St, Ste 507		Date Received:	06/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	06/10/08
	Client P.O.:	Date Completed:	06/05/08

WorkOrder: 0806033

June 10, 2008

Dear Randy:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **# 2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806033

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 6/2/08

Report To: Randy Young — eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. — Project No.: 2007-014

Project Name: Doyle Drive — Location: San Francisco

Sampler: Joe LaPlante — Project No.: 2007-014

Sampler: Signature: [signature] — Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-380	Doyle Drive	6/2/08	09:00	1	SS		X		X		X											
AEW-381			09:05	1	SS				X		X											
AEW-382			09:10	1	SS				X		X											
AEW-383			09:15	1	SS				X		X											
AEW-384			09:20	1	SS				X		X											
AEW-385			09:25	1	SS				X		X											
AEW-394			10:10	1	SS				X		X											
AEW-395			10:15	1	SS				X		X											
AEW-396			10:20	1	SS				X		X											
AEW-397	Doyle Drive	6/2/08	10:25	1	SS				X		X											

Composite 38

Relinquished By: [signature] Date: 6/3/08 Time: 13:40 Received By:

Relinquished By: Date: 6/3/08 Time: 9:00 Received By: K. BURKS

Remarks: 10 → 1 composite lic. 2

ICE IN GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓

HEAD SPACE ABSENT ____ DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION: VOAS ____ O & G ____ METALS ____ OTHER ____

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 6/2/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMante Project No.: 2007-014

Sampler: Signature: J. LaMante Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-386	Doyle Drive	6/2/08	09:30	1	SS				X		X											
AEW-387	↓	↓	09:35	1	SS				X		X											
AEW-388	↓	↓	09:40	1	SS				X		X											
AEW-389	↓	↓	09:45	1	SS				X		X											
AEW-390	↓	↓	09:50	1	SS				X		X											
AEW-391	↓	↓	09:55	1	SS				X		X											
AEW-392	↓	↓	10:00	1	SS				X		X											
AEW-393	↓	↓	10:05	1	SS				X		X											
AEW-409	↓	6/2/08	11:55	1	SS				X		X											
AEW-414	Doyle Drive	6/3/08	09:45	1	SS		X		X		X											

Composite 39

Relinquished By:	Date	Time	Received By:
J. LaMante	6/3/08	13:40	
Relinquished By:	Date	Time	Received By:
	6/3/08	900	K. Burke

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 6/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaPlante Project No.: 2007-014

Sampler: Signature: J. LaPlante Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-398	Doyle Drive	6/2/08	11:00	1	SS				X		X											
AEW-399			11:05	1	SS				X		X											
AEW-400			11:10	1	SS				X		X											
AEW-403			11:25	1	SS				X		X											
AEW-404			11:30	1	SS				X		X											
AEW-405		6/2/08	11:35	1	SS		X				X											
AEW-411		6/3/08	09:30	1	SS				X		X											
AEW-412			09:35	1	SS				X		X											
AEW-413			09:40	1	SS				X		X											
AEW-419	Doyle Drive	6/3/08	10:10	1	SS				X		X											

Composite 40

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	6/3/08	13:40	
Relinquished By:	Date:	Time:	Received By:
			K. Burrier

Remarks: Composite 10 -> 1

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: LABORATORY: McCampbell

24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal

Others:

Date: 6/2/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMante Project No.: 2007-014

Sampler: Signature: J. LaMante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-402	Doyle Drive	6/2/08	11:20	1	SS				X		X											
AEW-406			11:40	1	SS				X		X											
AEW-407			11:45	1	SS				X		X											
AEW-408			11:50	1	SS				X		X											
AEW-410		6/2/08	12:00	1	SS				X		X											
AEW-415		6/3/08	09:50	1	SS				X		X											
AEW-416			09:55	1	SS				X		X											
AEW-417			10:00	1	SS				X		X											
AEW-418	Doyle Drive	6/3/08	10:05	1	SS				X		X											

Composite 41

Relinquished By:	Date:	Time:	Received By:
J. LaMante	6/3/08	13:40	
	6/3/08	13:40	K. Burks

Remarks: 9 → 1 Composite

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0806033 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: # 2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 06/03/2008
Date Printed: 06/03/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806033-001	Composite # 38	Sludge	6/2/2008 9:00	☐	A	A	A	A								
0806033-002	Composite #39	Sludge	6/2/2008 9:30	☐	A	A	A	A								
0806033-003	Composite #40	Sludge	6/2/2008 11:00	☐	A	A	A	A								
0806033-004	Composite #41	Sludge	6/2/2008 11:20	☐	A	A	A	A								

Test Legend:

1	CAM17MS_Sludge	2	G-MBTEX_Sludge	3	PRCOMPOSITING	4	TPH(DMO)WSG_Sludge	5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 06/02/08
55 New Montgomery St, Ste 507		Date Received 06/03/08
	Client Contact: Randy Young	Date Extracted 06/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/05/08

CAM / CCR 17 Metals*

Lab ID	0806033-001A	0806033-002A	0806033-003A	0806033-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #38	Composite #39	Composite #40	Composite #41		
Matrix	Sludge	Sludge	Sludge	Sludge	Sludge	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0806033

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	0.5	NA
Arsenic	1.9	2.6	4.4	2.5	0.5	NA
Barium	58	62	97	31	5.0	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	42	51	87	310	0.5	NA
Cobalt	5.4	5.8	11	21	0.5	NA
Copper	17	17	36	16	0.5	NA
Lead	5.8	2.7	25	2.7	0.5	NA
Mercury	0.45	0.075	0.29	0.065	0.05	NA
Molybdenum	0.81	1.2	1.6	2.9	0.5	NA
Nickel	32	51	110	400	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	0.84	1.3	4.3	0.61	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	29	28	39	26	0.5	NA
Zinc	42	20	34	19	5.0	NA
%SS:	94	95	96	97		

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 06/02/08
55 New Montgomery St, Ste 507		Date Received: 06/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 06/03/08
	Client P.O.:	Date Analyzed 06/04/08-06/05/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0806033

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #38	Sludge	13,g	ND	ND	ND	0.0065	0.056	1	98
002A	Composite #39	Sludge	28,g	ND	ND	ND	ND	ND	1	98
003A	Composite #40	Sludge	35,g	ND	ND	0.016	ND	0.016	1	72
004A	Composite #41	Sludge	38,g	ND	ND	0.011	ND	0.013	1	98
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		Sludge	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 06/02/08
55 New Montgomery St, Ste 507		Date Received: 06/03/08
	Client Contact: Randy Young	Date Extracted: 06/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 06/06/08-06/09/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0806033

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0806033-001A	Composite #38	Sludge	220,k	23	1	104
0806033-002A	Composite #39	Sludge	140,k	5.1	1	102
0806033-003A	Composite #40	Sludge	1800,k	ND<250	50	104
0806033-004A	Composite #41	Sludge	690,k	ND<50	10	101

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	Sludge	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder 0806033

EPA Method 6020A **Extraction SW3050B** **BatchID: 36031** **Spiked Sample ID 0806028-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	99.4	102	2.27	10	96.8	97.5	0.710	70 - 130	20	80 - 120	20
Arsenic	3.3	50	98.8	99.5	0.662	10	93.5	93	0.504	70 - 130	20	80 - 120	20
Barium	250	500	98.8	104	3.22	100	90.5	91.1	0.716	70 - 130	20	80 - 120	20
Beryllium	0.57	50	85.7	87.9	2.48	10	84.8	85	0.259	70 - 130	20	80 - 120	20
Cadmium	ND	50	97.9	100	2.33	10	94.4	94.5	0.138	70 - 130	20	80 - 120	20
Chromium	54	50	89.9	93.1	1.60	10	94.4	93.2	1.31	70 - 130	20	80 - 120	20
Cobalt	7.4	50	88.6	90.4	1.80	10	92.9	92.5	0.388	70 - 130	20	80 - 120	20
Copper	17	50	92.2	94.3	1.68	10	94.4	93.7	0.776	70 - 130	20	80 - 120	20
Lead	6.2	50	98	99.4	1.22	10	89.3	89.5	0.188	70 - 130	20	80 - 120	20
Mercury	ND	1.25	96.3	98.3	2.11	0.25	87.4	86.9	0.597	70 - 130	20	80 - 120	20
Molybdenum	ND	50	99.8	102	2.15	10	93.6	94.8	1.28	70 - 130	20	80 - 120	20
Nickel	47	50	93.5	96.3	1.50	10	96.4	95.6	0.844	70 - 130	20	80 - 120	20
Selenium	ND	50	98.7	100	1.54	10	91.6	90.2	1.61	70 - 130	20	80 - 120	20
Silver	ND	50	106	109	1.92	10	107	108	0.466	70 - 130	20	80 - 120	20
Thallium	ND	50	100	102	1.83	10	91	90.4	0.650	70 - 130	20	80 - 120	20
Vanadium	54	50	91.5	94.5	1.50	10	94.2	93.1	1.17	70 - 130	20	80 - 120	20
Zinc	43	500	103	105	2.03	100	94.8	93.8	0.997	70 - 130	20	80 - 120	20
%SS:	94	250	95	98	2.69	250	91	91	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 36031 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806033-001A	06/02/08 9:00 AM	06/03/08	06/05/08 3:07 AM	0806033-002A	06/02/08 9:30 AM	06/03/08	06/05/08 3:15 AM
0806033-003A	06/02/08 11:00 AM	06/03/08	06/05/08 3:23 AM	0806033-004A	06/02/08 11:20 AM	06/03/08	06/05/08 3:32 AM
0806033-004A	06/02/08 11:20 AM	06/03/08	06/05/08 6:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder 0806033

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36044 Spiked Sample ID: 0806045-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	0.60	88	91.8	4.18	90.9	90.4	0.570	70 - 130	20	70 - 130	20
MTBE	ND	0.10	86.1	94.6	9.44	94.9	88.3	7.20	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94.9	94.5	0.345	92	93	1.07	70 - 130	20	70 - 130	20
Toluene	ND	0.10	95.3	95.3	0	87.9	90.5	2.73	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	98.3	98.4	0.0717	93.6	96.3	2.87	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	108	109	0.336	105	107	2.00	70 - 130	20	70 - 130	20
%SS:	75	0.10	88	87	0.614	82	85	3.31	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36044 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806033-001A	06/02/08 9:00 AM	06/03/08	06/04/08 11:43 PM	0806033-002A	06/02/08 9:30 AM	06/03/08	06/05/08 12:16 AM
0806033-003A	06/02/08 11:00 AM	06/03/08	06/04/08 10:02 PM	0806033-004A	06/02/08 11:20 AM	06/03/08	06/04/08 10:36 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder 0806033

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 36019** **Spiked Sample ID: 0805619-012A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	7.4	20	130	129	0.580	109	109	0	70 - 130	30	70 - 130	30
%SS:	104	50	115	99	15.0	118	119	0.495	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36019 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806033-001A	06/02/08 9:00 AM	06/03/08	06/06/08 5:09 PM	0806033-002A	06/02/08 9:30 AM	06/03/08	06/06/08 6:20 PM
0806033-003A	06/02/08 11:00 AM	06/03/08	06/09/08 5:00 PM	0806033-004A	06/02/08 11:20 AM	06/03/08	06/09/08 6:11 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled:	06/02/08
55 New Montgomery St, Ste 507		Date Received:	06/03/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	06/10/08
	Client P.O.:	Date Completed:	06/16/08

WorkOrder: 0806033

June 16, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **# 2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806033

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☐ ☒ Others:
LABORATORY: McCampbell
24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 6/2/08
Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMante Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-380	Doyle Drive	6/2/08	09:00	1	SS		X		X		X				X	X	X	X	X	X		
AEW-381			09:05	1	SS				X		X											
AEW-382			09:10	1	SS				X		X											
AEW-383			09:15	1	SS				X		X											
AEW-384			09:20	1	SS				X		X											
AEW-385			09:25	1	SS				X		X											
AEW-394			10:10	1	SS				X		X											
AEW-395			10:15	1	SS				X		X											
AEW-396			10:20	1	SS				X		X											
AEW-397	Doyle Drive	6/2/08	10:25	1	SS				X		X											

Composite 38

Relinquished By: Date: 6/3/08 Time: 13:40 Received By:
Relinquished By: Date: 6/3/08 Time: 900 Received By: K. BURKS

Remarks: 10 → 1 composite lic. 2

ICE?: ✓
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 6/2/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMante Project No.: 2007-014
Sampler: Signature: [signature] Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC/TCLP Lead (6010B/7420/7421)	Other	Comments
AEW-386	Doyle Drive	6/2/08	09:30	1	SS				X		X												
AEW-387	↓	↓	09:35	1	SS				X		X												
AEW-388			09:40	1	SS				X		X												
AEW-389			09:45	1	SS				X		X												
AEW-390			09:50	1	SS				X		X												
AEW-391			09:55	1	SS				X		X												
AEW-392			10:00	1	SS				X		X												
AEW-393		↓	10:05	1	SS				X		X												
AEW-409	↓	6/2/08	11:55	1	SS				X		X												
AEW-414	Doyle Drive	6/3/08	09:45	1	SS		X				X												

Composite 39

Relinquished By:	Date:	Time:	Received By:
[signature]	6/3/08	13:40	
Relinquished By:	Date:	Time:	Received By:
	6/3/08	900	K. Burns

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 6/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaPlante Project No.: 2007-014

Sampler: Signature: J. LaPlante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	STLC Cd+Pb+Zn+Cu+Ni+Cr+Hg+As+Sb	Other	Comments
AEW-398	Doyle Drive	6/2/08	11:00	1	SS				X		X												
AEW-399			11:05	1	SS				X		X												
AEW-400			11:10	1	SS				X		X												
AEW-403			11:25	1	SS				X		X												
AEW-404			11:30	1	SS				X		X												
AEW-405		6/2/08	11:35	1	SS		X				X												
AEW-411		6/3/08	09:30	1	SS				X		X												
AEW-412			09:35	1	SS				X		X												
AEW-413			09:40	1	SS				X		X												
AEW-419	Doyle Drive	6/3/08	10:10	1	SS				X		X												

Composite 40

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	6/3/08	13:40	
			K. Burkes

Remarks: Composite 10 -> 1

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 6/2/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMante Project No.: 2007-014

Sampler: Signature: [signature] Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-402	Doyle Drive	6/2/08	11:20	1	SS				X		X											
AEW-406			11:40	1	SS				X		X											
AEW-407			11:45	1	SS				X		X											
AEW-408			11:50	1	SS				X		X											
AEW-410		6/2/08	12:00	1	SS				X		X											
AEW-415		6/3/08	09:50	1	SS				X		X											
AEW-416			09:55	1	SS				X		X											
AEW-417			10:00	1	SS				X		X											
AEW-418	Doyle Drive	6/3/08	10:05	1	SS				X		X											

Composite 41

Relinquished By:	Date:	Time:	Received By:
[signature]	6/3/08	13:40	
Relinquished By:	Date: 6/3/08	Time: 1400	Received By: K. Burks

Remarks: 9 → 1 Composite

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080603 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: # 2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 06/03/2008
Date Add-On: 06/10/2008
Date Printed: 06/10/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806033-002	Composite #39	Sludge	6/2/2008 9:30	☐	A											
0806033-003	Composite #40	Sludge	6/2/2008 11:00	☐	A											
0806033-004	Composite #41	Sludge	6/2/2008 11:20	☐	A	A										

Test Legend:

1	STLC_METALS_Sludge	2	TCLP_METALS_Sludge	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments: STLC Cr and STLC Cr Ni TCLP Cr Ni added on 6/10/08 on a std tat per Randy/email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 06/02/08
		Date Received: 06/03/08
	Client Contact: Randy Young	Date Extracted: 06/10/08-06/12/08
	Client P.O.:	Date Analyzed: 06/16/08

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0806033

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0806033-002A	Composite #39	Sludge	WET	0.57	1	N/A
0806033-003A	Composite #40	Sludge	WET	0.68	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	Sludge	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 06/02/08
		Date Received: 06/03/08
	Client Contact: Randy Young	Date Extracted: 06/10/08-06/12/08
	Client P.O.:	Date Analyzed: 06/16/08

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0806033

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
004A	Composite #41	Sludge	WET	6.1	11	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	Sludge	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 06/02/08
		Date Received: 06/03/08
	Client Contact: Randy Young	Date Extracted: 06/10/08-06/11/08
	Client P.O.:	Date Analyzed: 06/12/08

ICP Metals*

Extraction method: SW1311 Analytical methods: SW6010C Work Order: 0806033

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
004A	Composite #41	Sludge	TCLP	0.099	2.3	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	Sludge	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder: 0806033

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 36098** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	95.4	101	5.87	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	103	103	0	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36098 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806033-002A	06/02/08 9:30 AM	06/10/08	06/16/08 12:56 PM	0806033-003A	06/02/08 11:00 AM	06/10/08	06/16/08 12:59 PM
0806033-004A	06/02/08 11:20 AM	06/10/08	06/16/08 1:02 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder 0806033

EPA Method SW6010C **Extraction SW1311** **BatchID: 36167** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	101	97	3.88	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	106	102	3.84	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36167 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806033-004A	06/02/08 11:20 AM	06/10/08	06/12/08 10:12 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	06/03/08-06/04/08
55 New Montgomery St, Ste 507		Date Received:	06/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	06/10/08
	Client P.O.:	Date Completed:	06/09/08

WorkOrder: 0806129

June 10, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806129

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell | 24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 6/3/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lafontaine Project No.: 2007-014
Sampler: Signature: J. Lafontaine Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B)

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-420	Doyle Drive	6/3/09	12:00	1	SS				X		X											
AEW-421	↓	↓	12:05	1	SS				X		X											
AEW-422			12:10	1	SS				X		X											
AEW-423			12:15	1	SS				X		X											
AEW-424			12:20	1	SS				X		X											
AEW-425			12:25	1	SS				X		X											
AEW-426			12:30	1	SS				X		X											
AEW-427			12:35	1	SS				X		X											
AEW-428	↓	↓	12:40	1	SS				X		X											
AEW-429	Doyle Drive	6/3/09	12:45	1	SS				X		X											

Composite #42

Relinquished By:	Date:	Time:	Received By:
J. Lafontaine	6/5/09	13:15	
	6/5/09	13:15	Michael

Remarks: 10 → the Composite

ICE / t° 4°C
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 6/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaMarte Project No.: 2007-014

Sampler: Signature: J. LaMarte Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-432	Doyle Drive	6/3/08	13:00	1	SS				X		X											
AEW-433			13:05	1	SS				X		X											
AEW-434			13:10	1	SS				X		X											
AEW-435			13:15	1	SS				X		X											
AEW-436			13:20	1	SS				X		X											
AEW-437			13:25	1	SS					X	X											
AEW-438			13:30	1	SS				X		X											
AEW-439		6/3/08	13:35	1	SS				X		X											
AEW-440		6/4/08	15:50	1	SS				X		X											
AEW-442	Doyle Drive	6/4/08	16:00	1	SS				X		X											

Composite #43

Relinquished By:	Date:	Time:	Received By:
J. LaMarte	6/5/08	13:15	
	6/5/08	13:15	Yue Vell

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 6/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMonte Project No.: 2007-014

Sampler: Signature: J. LaMonte Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-443	Doyle Drive	6/4/08	16:05	1	SS				X		X						X					
AEW-444			16:10	1	SS				X		X						X					
AEW-445			16:15	1	SS				X		X						X					
AEW-446			16:20	1	SS				X		X						X					
AEW-447			16:25	1	SS				X		X						X					
AEW-448			16:30	1	SS				X		X						X					
AEW-449			16:35	1	SS				X		X						X					
AEW-450			16:40	1	SS				X		X						X					
AEW-452			16:45	1	SS				X		X						X					
AEW-453	Doyle Drive	6/4/08	16:50	1	SS				X		X						X					

Analysis Request: Composite #44

Other

Comments

Relinquished By:	Date:	Time:	Received By:
J. LaMonte	6/5/08	13:15	
	6/6/08	8:15	Mike Vecll

Remarks: 10 → 1 Composite

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0806129 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 06/05/2008
Date Printed: 06/05/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806129-001	Composite #42	Soil	6/3/2008 12:00	☐	A	A	A	A								
0806129-002	Composite #43	Soil	6/3/2008 13:00	☐	A	A	A	A								
0806129-003	Composite #44	Soil	6/4/2008 16:05	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **6/5/08 3:15:31 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0806129** Matrix Soil

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/03/08-06/04/08
55 New Montgomery St, Ste 507		Date Received 06/05/08
	Client Contact: Randy Young	Date Extracted 06/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/06/08-06/09/08

CAM / CCR 17 Metals*

Lab ID	0806129-001A	0806129-002A	0806129-003A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #42	Composite #43	Composite #44			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0806129

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	0.96	3.1	1.1		0.5	NA
Barium	16	71	26		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	360	68	350		0.5	NA
Cobalt	23	7.1	21		0.5	NA
Copper	10	18	9.1		0.5	NA
Lead	1.3	4.1	1.2		0.5	NA
Mercury	ND	0.068	ND		0.05	NA
Molybdenum	0.59	0.87	ND		0.5	NA
Nickel	530	55	460		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	0.97	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	14	37	18		0.5	NA
Zinc	13	25	14		5.0	NA
%SS:	89	90	96			

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/03/08-06/04/08
55 New Montgomery St, Ste 507		Date Received: 06/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Extracted: 06/05/08
	Client P.O.:	Date Analyzed 06/06/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0806129

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #42	S	6.2,g,m	ND	ND	ND	ND	ND	1	102
002A	Composite #43	S	56,g,m	ND	ND	ND	ND	ND	1	91
003A	Composite #44	S	6.4,g,m	ND	ND	ND	ND	ND	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	06/03/08-06/04/08
55 New Montgomery St, Ste 507		Date Received:	06/05/08
	Client Contact: Randy Young	Date Extracted:	06/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed:	06/07/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0806129

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0806129-001A	Composite #42	S	22,k,g	11	1	117
0806129-002A	Composite #43	S	100,k	7.6	1	118
0806129-003A	Composite #44	S	8.7,g,k	14	1	117

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806129

EPA Method 6020A **Extraction SW3050B** **BatchID: 36077** **Spiked Sample ID 0806082-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	103	102	1.18	10	97.7	101	3.00	70 - 130	20	80 - 120	20
Arsenic	2.5	50	97.2	95.2	1.99	10	93.8	94.2	0.532	70 - 130	20	80 - 120	20
Barium	39	500	99	97.8	1.11	100	93.4	95.6	2.29	70 - 130	20	80 - 120	20
Beryllium	ND	50	92.5	90.3	2.44	10	93	95.2	2.31	70 - 130	20	80 - 120	20
Cadmium	ND	50	99.1	97.8	1.28	10	96.3	98.4	2.12	70 - 130	20	80 - 120	20
Chromium	44	50	98.7	96.9	0.999	10	95.3	97.2	1.96	70 - 130	20	80 - 120	20
Cobalt	6.2	50	94.9	93.6	1.28	10	94.7	96.8	2.21	70 - 130	20	80 - 120	20
Copper	6.6	50	99	96.9	1.91	10	97	99.3	2.33	70 - 130	20	80 - 120	20
Lead	4.1	50	95.1	94.1	0.914	10	93.5	95.3	1.91	70 - 130	20	80 - 120	20
Mercury	ND	1.25	97.6	95.8	1.76	0.25	96.1	98.1	2.06	70 - 130	20	80 - 120	20
Molybdenum	ND	50	99.4	98.4	1.01	10	96.1	98.4	2.35	70 - 130	20	80 - 120	20
Nickel	39	50	102	100	1.01	10	97.5	99.2	1.66	70 - 130	20	80 - 120	20
Selenium	ND	50	93.4	92	1.48	10	95.2	94	1.27	70 - 130	20	80 - 120	20
Silver	ND	50	111	111	0	10	96	98.3	2.44	70 - 130	20	80 - 120	20
Thallium	ND	50	95.3	94.1	1.18	10	92.4	93.5	1.22	70 - 130	20	80 - 120	20
Vanadium	30	50	99.8	96.9	1.84	10	95	96.5	1.57	70 - 130	20	80 - 120	20
Zinc	23	500	101	99.5	1.47	100	94.5	97.2	2.87	70 - 130	20	80 - 120	20
%SS:	92	250	96	97	0.290	250	92	96	3.87	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 36077 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806129-001A	06/03/08 12:00 PM	06/05/08	06/06/08 6:56 PM	0806129-001A	06/03/08 12:00 PM	06/05/08	06/09/08 4:12 PM
0806129-002A	06/03/08 1:00 PM	06/05/08	06/06/08 7:04 PM	0806129-003A	06/04/08 4:05 PM	06/05/08	06/06/08 7:12 PM
0806129-003A	06/04/08 4:05 PM	06/05/08	06/09/08 4:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806129

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36067 Spiked Sample ID: 0806103-007A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	97.5	93.5	4.18	90.6	108	17.4	70 - 130	20	70 - 130	20
MTBE	ND	0.10	110	104	5.17	107	113	5.63	70 - 130	20	70 - 130	20
Benzene	ND	0.10	93.2	91.2	2.16	88	92.7	5.17	70 - 130	20	70 - 130	20
Toluene	ND	0.10	97.4	94.9	2.48	96.1	103	6.58	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	100	95.7	4.52	93.8	99.5	5.85	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	111	108	2.50	104	110	6.16	70 - 130	20	70 - 130	20
%SS:	90	0.10	102	107	4.31	101	102	0.569	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36067 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806129-001A	06/03/08 12:00 PM	06/05/08	06/06/08 3:10 PM	0806129-002A	06/03/08 1:00 PM	06/05/08	06/06/08 3:40 PM
0806129-003A	06/04/08 4:05 PM	06/05/08	06/06/08 4:10 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0806129

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 36114** **Spiked Sample ID: 0806129-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	8.7	20	127	126	0.442	98.2	91.5	7.08	70 - 130	30	70 - 130	30
%SS:	117	50	109	110	0.529	108	106	1.22	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36114 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806129-001A	06/03/08 12:00 PM	06/05/08	06/07/08 5:45 AM	0806129-002A	06/03/08 1:00 PM	06/05/08	06/07/08 6:51 AM
0806129-003A	06/04/08 4:05 PM	06/05/08	06/07/08 7:58 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

JR QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	06/03/08-06/04/08
55 New Montgomery St, Ste 507		Date Received:	06/05/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	06/10/08
	Client P.O.:	Date Completed:	06/17/08

WorkOrder: 0806129

June 17, 2008

Dear Randy:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806129

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 6/3/09

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Lafante Project No.: 2007-014

Sampler: Signature: J. Lafante Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-420	Doyle Drive	6/3/09	12:00	1	SS				X		X											
AEW-421			12:05	1	SS				X		X											
AEW-422			12:10	1	SS				X		X											
AEW-423			12:15	1	SS				X		X											
AEW-424			12:20	1	SS				X		X											
AEW-425			12:25	1	SS				X		X											
AEW-426			12:30	1	SS				X		X											
AEW-427			12:35	1	SS				X		X											
AEW-428			12:40	1	SS				X		X											
AEW-429	Doyle Drive	6/3/09	12:45	1	SS				X		X											

Analysis Request: Composite #42

Relinquished By	Date	Time	Received By
J. Lafante	6/5/09	13:15	
	6/5/09	13:15	Michael

Remarks: 10 → 42 Composite

ICE / t° 42

GOOD CONDITION ✓ APPROPRIATE ✓

HEAD SPACE ABSENT ____ CONTAINERS ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION: VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 6/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaMarche Project No.: 2007-014

Sampler: Signature: J. LaMarche Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-432	Doyle Drive	6/3/08	13:00	1	SS				X		X											
AEW-433			13:05	1	SS				X		X											
AEW-434			13:10	1	SS				X		X											
AEW-435			13:15	1	SS				X		X											
AEW-436			13:20	1	SS				X		X											
AEW-437			13:25	1	SS					X	X											
AEW-438			13:30	1	SS				X		X											
AEW-439		6/3/08	13:35	1	SS				X		X											
AEW-440		6/4/08	15:50	1	SS				X		X											
AEW-442	Doyle Drive	6/4/08	16:00	1	SS				X		X											

Composite #43

Relinquished By: J. LaMarche Date: 6/5/08 Time: 13:15 Received By:

Relinquished By: Date: 6/5/08 Time: 15:15 Received By: Yue Vell

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 6/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMonte Project No.: 2007-014

Sampler: Signature: Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-443	Doyle Drive	6/4/08	16:05	1	SS				X		X											
AEW-444			16:10	1	SS				X		X											
AEW-445			16:15	1	SS				X		X											
AEW-446			16:20	1	SS				X		X											
AEW-447			16:25	1	SS				X		X											
AEW-448			16:30	1	SS				X		X											
AEW-449			16:35	1	SS				X		X											
AEW-450			16:40	1	SS				X		X											
AEW-452			16:45	1	SS				X		X											
AEW-453	Doyle Drive	6/4/08	16:50	1	SS				X		X											

Analysis Request: Composite #44

Relinquished By:	Date:	Time:	Received By:
[signature]	6/5/08	13:15	[signature]
[signature]	6/5/08	13:15	[signature]

Remarks: 10 → 1 Composite

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 080612 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 06/05/2008
Date Add-On: 06/11/2008
Date Printed: 06/11/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806129-001	Composite #42	Soil	6/3/2008 12:00	☐	A	A										
0806129-002	Composite #43	Soil	6/3/2008 13:00	☐	A											
0806129-003	Composite #44	Soil	6/4/2008 16:05	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: STLC Cr and TCLP Cr,Ni added on 6/11/08 on a std tat per Randy/ Email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/03/08
		Date Received: 06/05/08
	Client Contact: Randy Young	Date Extracted: 06/11/08-06/13/08
	Client P.O.:	Date Analyzed 06/13/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0806129

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0806129-002A	Composite #43	S	WET	2.0	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/03/08-06/04/08
		Date Received: 06/05/08
	Client Contact: Randy Young	Date Extracted: 06/11/08-06/13/08
	Client P.O.:	Date Analyzed: 06/13/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0806129

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #42	S	WET	7.0	15	1	N/A
003A	Composite #44	S	WET	5.1	12	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 06/03/08-06/04/08
		Date Received: 06/05/08
	Client Contact: Randy Young	Date Extracted: 06/11/08-06/12/08
	Client P.O.:	Date Analyzed: 06/13/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0806129

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #42	S	TCLP	0.51	4.3	1	N/A
003A	Composite #44	S	TCLP	0.12	2.0	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806129

EPA Method SW6010C **Extraction SW1311** **BatchID: 36167** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	101	97	3.88	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	106	102	3.84	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36167 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806129-001A	06/03/08 12:00 PM	06/11/08	06/13/08 7:17 PM	0806129-003A	06/04/08 4:05 PM	06/11/08	06/13/08 7:20 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806129

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 36230** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	101	104	2.54	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	100	101	0.398	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36230 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806129-001A	06/03/08 12:00 PM	06/11/08	06/13/08 7:38 PM	0806129-002A	06/03/08 1:00 PM	06/11/08	06/13/08 7:41 PM
0806129-003A	06/04/08 4:05 PM	06/11/08	06/13/08 7:44 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled:	06/03/08-06/06/08
		Date Received:	06/06/08
	Client Contact: Randall Young	Date Reported:	06/13/08
	Client P.O.:	Date Completed:	06/11/08

WorkOrder: 0806177

June 13, 2008

Dear Randall:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#2007-014; San Francisco, Doyle Dr**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806177

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 6/3/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: J. Lafontaine — Project No.: 2007-014
Sampler: Signature: [signature] — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-430	Doyle Drive	6/3/08	12:50	1	SS				X		X											
AEW-431		6/3/08	12:55	1	SS				X		X											
AEW-441		6/4/08	15:55	1	SS				X		X											
AEW-451			16:45	1	SS				X		X											
AEW-454			17:00	1	SS				X		X											
AEW-455			17:05	1	SS				X		X											
AEW-456			17:10	1	SS				X		X											
AEW-457			17:15	1	SS				X		X											
AEW-458			17:20	1	SS				X		X											
AEW-459	Doyle Drive	6/4/08	17:25	1	SS				X		X											

Composite #45

Relinquished By:	Date:	Time:	Received By:
[signature]	6/6/08	13:00	
Relinquished By:	Date: 6/6/08	Time: 1335	Received By: [signature]

Remarks: 10 → 1 Composite

ICE / t° 5.2
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 6/5/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaPlante Project No.: 2007-014

Sampler: Signature: J. LaPlante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-460	Doyle Drive	6/5/08	14:30	1	SS				X		X											
AEW-461			14:35	1	SS				X		X											
AEW-462			14:40	1	SS				X		X											
AEW-463			14:45	1	SS				X		X											
AEW-464			14:50	1	SS				X		X											
AEW-465			14:55	1	SS				X		X											
AEW-466			15:00	1	SS				X		X											
AEW-467			15:05	1	SS				X		X											
AEW-468			15:10	1	SS				X		X											
AEW-469	Doyle Drive	6/5/08	15:15	1	SS				X		X											

Composite #46

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	6/6/08	~~13:00~~	
	6/6/08	3:15	

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD Page 3 of 4

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 6/6/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMante Project No.: 2007-014

Sampler: Signature: J. LaMante Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-470	Doyle Drive	6/6/08	10:40	1	SS				X		X											
AEW-471			10:45	1	SS				X		X											
AEW-472			10:50	1	SS				X		X											
AEW-473			10:55	1	SS				X		X											
AEW-474			11:00	1	SS				X		X											
AEW-475			11:05	1	SS				X		X											
AEW-476			11:10	1	SS				X		X											
AEW-477			11:15	1	SS				X		X											
AEW-478			11:20	1	SS				X		X											
AEW-479	Doyle Drive	6/6/08	11:25	1	SS				X		X											

Composite # 47

Relinquished By:	Date:	Time:	Received By:
J. LaMante	6/6/08	13:05	
	6/6/08	13:15	

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 6/6/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPointe Project No.: 2007-014
Sampler: Signature: J. LaPointe Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-480	Doyle Drive	6/6/08	11:30	1	SS				X		X											
AEW-481	↓	↓	11:35	1	SS				X		X											
AEW-482			11:40	1	SS				X		X											
AEW-483			11:45	1	SS				X		X											
AEW-484			11:50	1	SS				X		X											
AEW-485			11:55	1	SS				X		X											
AEW-486			12:00	1	SS				X		X											
AEW-487	Doyle Drive	6/6/08	12:05	1	SS				X		X											

Composite # 48

Relinquished By:	Date:	Time:	Received By:
J. LaPointe	6/6/08	13:00	
	6/6/08	3:15	

Remarks: 8 → 1 composite

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0806177 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; San Francisco, Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 06/06/2008
Date Printed: 06/06/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806177-001	Composite #45	Soil	6/3/2008 12:50	☐	A	A	A	A								
0806177-002	Composite #46	Soil	6/5/2008 14:30	☐	A	A	A	A								
0806177-003	Composite #47	Soil	6/5/2008 10:40	☐	A	A	A	A								
0806177-004	Composite #48	Soil	6/6/2008 11:30	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **6/6/08 4:09:46 PM**

Project Name: **#2007-014; San Francisco, Doyle Drive**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0806177** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled: 06/03/08-06/06/08
55 New Montgomery St, Ste 507		Date Received 06/06/08
	Client Contact: Randall Young	Date Extracted 06/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 06/11/08-06/12/08

CAM / CCR 17 Metals*

Lab ID	0806177-001A	0806177-002A	0806177-003A	0806177-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #45	Composite #46	Composite #47	Composite #48		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0806177

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	0.5	NA
Arsenic	1.3	1.1	2.4	4.9	0.5	NA
Barium	29	15	62	120	5.0	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	550	290	170	120	0.5	NA
Cobalt	38	20	17	16	0.5	NA
Copper	19	8.5	16	24	0.5	NA
Lead	1.5	0.98	4.4	5.3	0.5	NA
Mercury	ND	ND	ND	ND	0.05	NA
Molybdenum	1.2	ND	0.88	1.1	0.5	NA
Nickel	720	390	250	210	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	24	13	34	45	0.5	NA
Zinc	19	11	24	37	5.0	NA
%SS:	103	104	106	100		

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled: 06/03/08-06/06/08
		Date Received: 06/06/08
	Client Contact: Randall Young	Date Extracted: 06/06/08
	Client P.O.:	Date Analyzed 06/10/08-06/11/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0806177

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #45	S	9.1,g,m	ND	ND	0.0074	ND	0.011	1	95
002A	Composite #46	S	16,g,m	ND	ND	0.0099	ND	0.030	1	99
003A	Composite #47	S	45,g,m	ND	ND	0.016	ND	0.028	1	109
004A	Composite #48	S	28,g,m	ND	ND	0.015	0.0083	0.044	1	109

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled:	06/03/08-06/06/08
55 New Montgomery St, Ste 507		Date Received:	06/06/08
	Client Contact: Randall Young	Date Extracted:	06/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed:	06/09/08-06/12/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0806177

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0806177-001A	Composite #45	S	760,k	70	10	94
0806177-002A	Composite #46	S	13,g,k,b/m	15	1	103
0806177-003A	Composite #47	S	380,k	19	1	98
0806177-004A	Composite #48	S	96,k,g	39	1	117

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806177

EPA Method 6020A **Extraction SW3050B** **BatchID: 36119** **Spiked Sample ID 0806134-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	5.7	50	106	110	2.78	10	104	108	4.33	70 - 130	20	80 - 120	20
Arsenic	6.7	50	93.9	95.9	1.88	10	93.8	98.4	4.75	70 - 130	20	80 - 120	20
Barium	160	500	94.8	99.9	3.99	100	91.7	95.6	4.19	70 - 130	20	80 - 120	20
Beryllium	ND	50	87.6	88.7	1.24	10	92.7	95.5	3.04	70 - 130	20	80 - 120	20
Cadmium	1.6	50	93.5	95.7	2.29	10	95.2	99.6	4.50	70 - 130	20	80 - 120	20
Chromium	59	50	96.9	102	2.49	10	101	106	4.06	70 - 130	20	80 - 120	20
Cobalt	7.7	50	89	92	2.76	10	95.5	99.4	3.92	70 - 130	20	80 - 120	20
Copper	370	50	101	129	3.29	10	92.3	97.4	5.39	70 - 130	20	80 - 120	20
Lead	140	50	115	123	2.13	10	104	108	4.47	70 - 130	20	80 - 120	20
Mercury	0.062	1.25	93.5	94.3	0.810	0.25	107	116	8.00	70 - 130	20	80 - 120	20
Molybdenum	3.4	50	92.4	96.1	3.64	10	94.9	94.3	0.634	70 - 130	20	80 - 120	20
Nickel	45	50	93.6	99.4	3.08	10	92.1	96.3	4.50	70 - 130	20	80 - 120	20
Selenium	ND	50	87.9	88	0.0678	10	90	97.7	8.22	70 - 130	20	80 - 120	20
Silver	ND	50	103	105	2.11	10	104	109	4.22	70 - 130	20	80 - 120	20
Thallium	ND	50	92.1	93.5	1.47	10	103	109	5.00	70 - 130	20	80 - 120	20
Vanadium	39	50	96.7	101	2.60	10	100	105	4.76	70 - 130	20	80 - 120	20
Zinc	670	500	93.5	99.9	2.78	100	99.1	103	4.16	70 - 130	20	80 - 120	20
%SS:	92	250	91	96	5.15	250	90	94	4.92	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 36119 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806177-001A	06/03/08 12:50 PM	06/06/08	06/11/08 6:23 AM	0806177-001A	06/03/08 12:50 PM	06/06/08	06/12/08 12:21 PM
0806177-002A	06/05/08 2:30 PM	06/06/08	06/11/08 6:31 AM	0806177-002A	06/05/08 2:30 PM	06/06/08	06/12/08 12:29 PM
0806177-003A	06/05/08 10:40 AM	06/06/08	06/11/08 6:39 AM	0806177-003A	06/05/08 10:40 AM	06/06/08	06/12/08 12:37 PM
0806177-004A	06/06/08 11:30 AM	06/06/08	06/11/08 6:47 AM	0806177-004A	06/06/08 11:30 AM	06/06/08	06/12/08 12:45 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806177

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36115 Spiked Sample ID: 0806178-005A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	105	101	3.57	104	105	1.44	70 - 130	20	70 - 130	20
MTBE	ND	0.10	95.1	93.3	1.95	86.6	90.3	4.12	70 - 130	20	70 - 130	20
Benzene	ND	0.10	91.3	93.1	1.88	101	101	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	82.8	84.3	1.76	90.5	90.7	0.260	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.1	94.4	1.40	102	103	0.819	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	92.5	91.1	1.52	97.7	101	3.00	70 - 130	20	70 - 130	20
%SS:	111	0.10	86	87	1.09	94	92	2.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36115 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806177-001A	06/03/08 12:50 PM	06/06/08	06/11/08 12:45 AM	0806177-002A	06/05/08 2:30 PM	06/06/08	06/11/08 1:16 AM
0806177-003A	06/05/08 10:40 AM	06/06/08	06/10/08 11:45 PM	0806177-004A	06/06/08 11:30 AM	06/06/08	06/11/08 12:15 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806177

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 36114** **Spiked Sample ID: 0806129-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	8.7	20	127	126	0.442	98.2	91.5	7.08	70 - 130	30	70 - 130	30
%SS:	117	50	109	110	0.529	108	106	1.22	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36114 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806177-001A	06/03/08 12:50 PM	06/06/08	06/11/08 11:34 PM	0806177-002A	06/05/08 2:30 PM	06/06/08	06/09/08 3:49 PM
0806177-003A	06/05/08 10:40 AM	06/06/08	06/09/08 5:00 PM	0806177-004A	06/06/08 11:30 AM	06/06/08	06/11/08 8:07 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled:	06/03/08-06/06/08
		Date Received:	06/06/08
	Client Contact: Randall Young	Date Reported:	06/13/08
	Client P.O.:	Date Completed:	06/18/08

WorkOrder: 0806177

June 19, 2008

Dear Randall:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#2007-014; San Francisco, Doyle Dr**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0806177

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 6/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lafante Project No.: 2007-014
Sampler: Signature: J. Lafante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	SHC Ni OR added ultra sdc	TCLP Ni OR added ultra sdc	Other	Comments
AEW-430	Doyle Drive	6/3/08	12:50	1	SS				X		X													
AEW-431		6/3/08	12:55	1	SS				X		X													
AEW-441		6/4/08	15:55	1	SS				X		X													
AEW-451			16:45	1	SS				X		X													
AEW-454			17:00	1	SS				X		X													
AEW-455			17:05	1	SS				X		X													
AEW-456			17:10	1	SS				X		X													
AEW-457			17:15	1	SS				X		X													
AEW-458			17:20	1	SS				X		X													
AEW-459	Doyle Drive	6/4/08	17:25	1	SS				X		X													

Composite #45

Relinquished By:	Date:	Time:	Received By:
J. Lafante	6/6/08	13:00	
	6/6/08	3:25	

Remarks: 10 → 1 Composite

ICE / t°: 5.2
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 6/5/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC Ni, CR added 6/16/08	TCLP MCR added 6/16/08	Other	Comments
AEW-460	Doyle Drive	6/5/08	14:30	1	SS				X		X													
AEW-461			14:35	1	SS				X		X													
AEW-462			14:40	1	SS				X		X													
AEW-463			14:45	1	SS				X		X													
AEW-464			14:50	1	SS				X		X													
AEW-465			14:55	1	SS				X		X													
AEW-466			15:00	1	SS				X		X													
AEW-467			15:05	1	SS				X		X													
AEW-468			15:10	1	SS				X		X													
AEW-469	Doyle Drive	6/5/08	15:15	1	SS				X		X													

Composite #46

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	6/6/08	13:00	
	6/6/08	13:00	

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 6/6/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaMante Project No.: 2007-014

Sampler: Signature: J. LaMante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC Ni, Pb added 6/16/08	TTLC Ni, Pb added 6/16/08	Comments
AEW-470	Doyle Drive	6/6/08	10:40	1	SS				X		X												
AEW-471			10:45	1	SS				X		X												
AEW-472			10:50	1	SS				X		X												
AEW-473			10:55	1	SS				X		X												
AEW-474			11:00	1	SS				X		X												
AEW-475			11:05	1	SS				X		X												
AEW-476			11:10	1	SS				X		X												
AEW-477			11:15	1	SS				X		X												
AEW-478			11:20	1	SS				X		X												
AEW-479	Doyle Drive	6/6/08	11:25	1	SS				X		X												

Composite # 47

Relinquished By:	Date:	Time:	Received By:
J. LaMante	6/6/08	13:00	
	6/6/08	13:15	

Remarks: 10 → 1 Composite

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 6/6/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. [illegible] Project No.: 2007-014

Sampler: Signature: [illegible] Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other: Stic Ni CR added 6/16/08	Other: TCLP Ni CR added 6/16/08	Other	Comments
AEW-480	Doyle Drive	6/6/08	11:30	1	SS				X		X										X	X		
AEW-481	↓	↓	11:35	1	SS				X		X										X	X		
AEW-482			11:40	1	SS				X		X										X	X		
AEW-483			11:45	1	SS				X		X										X	X		
AEW-484			11:50	1	SS				X		X										X	X		
AEW-485			11:55	1	SS				X		X										X	X		
AEW-486			12:00	1	SS				X		X										X	X		
AEW-487	Doyle Drive	6/6/08	12:05	1	SS				X		X										X	X		

Composite # 48

Relinquished By:	Date:	Time:	Received By:
[illegible]	6/6/08	13:00	[illegible]
Relinquished By:	Date: 6/6/08	Time: 3:15	Received By: [illegible]

Remarks: 8 → 1 composite

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080617 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; San Francisco, Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 06/06/2008
Date Add-On: 06/16/2008
Date Printed: 06/16/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0806177-001	Composite #45	Soil	6/3/2008 12:50	☐	A	A										
0806177-002	Composite #46	Soil	6/5/2008 14:30	☐	A	A										
0806177-003	Composite #47	Soil	6/5/2008 10:40	☐	A	A										
0806177-004	Composite #48	Soil	6/6/2008 11:30	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Stlc and Tclp Cr Ni added 6/16/08 per email 5 day

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled: 06/03/08-06/06/08
		Date Received: 06/06/08
	Client Contact: Randall Young	Date Extracted: 06/16/08-06/18/08
	Client P.O.:	Date Analyzed: 06/18/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0806177

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #45	S	WET	12	46	1	N/A
002A	Composite #46	S	WET	6.5	18	1	N/A
003A	Composite #47	S	WET	4.9	13	1	N/A
004A	Composite #48	S	WET	1.4	2.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; San Francisco, Doyle Drive	Date Sampled: 06/03/08-06/06/08
		Date Received: 06/06/08
	Client Contact: Randall Young	Date Extracted: 06/16/08-06/17/08
	Client P.O.:	Date Analyzed: 06/17/08

ICP Metals*

Extraction method SW1311 Analytical methods SW6010C Work Order: 0806177

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #45	S	TCLP	0.15	6.2	1	N/A
002A	Composite #46	S	TCLP	ND	2.3	1	N/A
003A	Composite #47	S	TCLP	ND	0.72	1	N/A
004A	Composite #48	S	TCLP	0.099	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806177

EPA Method SW6010C **Extraction CA Title 22** **BatchID: 36290** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	94.8	94.4	0.412	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	101	95.6	5.68	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36290 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806177-001A	06/03/08 12:50 PM	06/16/08	06/18/08 7:09 PM	0806177-002A	06/05/08 2:30 PM	06/16/08	06/18/08 7:13 PM
0806177-003A	06/05/08 10:40 AM	06/16/08	06/18/08 7:18 PM	0806177-004A	06/06/08 11:30 AM	06/16/08	06/18/08 7:23 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0806177

EPA Method SW6010C **Extraction SW1311** **BatchID: 36309** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	103	102	0.978	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	104	105	0.864	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36309 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806177-001A	06/03/08 12:50 PM	06/16/08	06/17/08 11:50 AM	0806177-002A	06/05/08 2:30 PM	06/16/08	06/17/08 11:53 AM
0806177-003A	06/05/08 10:40 AM	06/16/08	06/17/08 11:56 AM	0806177-004A	06/06/08 11:30 AM	06/16/08	06/17/08 11:59 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	07/02/08-07/03/08
		Date Received:	07/08/08
	Client Contact: Randall Young	Date Reported:	07/15/08
	Client P.O.:	Date Completed:	07/15/08

WorkOrder: 0807204

July 15, 2008

Dear Randall:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0807204

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	☑ Normal
MAI				

Date: 7/8/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young, Joe LaPlante Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO3	Other	TPH Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel Cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-488	Presidio	7/2/08	1600	1	SS		X								X	X	X					Composite #49
AEW-489	↓	↓	1605	1	↓		X															
AEW-491	↓	↓	1615	1	↓		X															
AEW-511	↓	7/3/08	840	1	↓		X															
AEW-512	↓	↓	845	1	↓		X															
AEW-513	↓	↓	850	1	↓		X															
AEW-514	↓	↓	855	1	↓		X															
AEW-515	↓	↓	900	1	↓		X															
AEW-532	↓	7/7/08	1720	1	↓		X															
AEW-533	↓	↓	1725	1	↓		X															
AEW-534	↓	↓	1730	1	↓		X															

Relinquished By:	Date:	Time:	Received By:
Randall Young	7/8/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

ICE / t° 5.3
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
PRESERVATION ____
APPROPRIATE CONTAINERS
VOAS 10 A.C.

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☒

Date: 7/8/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young / Joe LaPlante Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPHGas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOC's 8260B	Other	Comments
AEW-493	Presidio	7/2/08	1425	1	SS		X				X											Composite #50
AEW-494			1430	1			X				X											
AEW-495			1635	1			X				X											
AEW-496			1640	1			X				X											
AEW-497			1645	1			X				X											
AEW-498			1650	1			X				X											
AEW-499			1655	1			X				X											
AEW-500			1700	1			X				X											
AEW-501			1705	1			X				X											
AEW-503			1715	1			X				X											
AEW-504			1720	1			X				X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	7/8/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Analysis Request

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	☑ Normal
MAE				

Date: 7/8/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randall Young / Joe LaMatte Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy? Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-502	Presidio	7/2/08	1710	1	SS		X				X						X					composite #51
AEW-506			1730	1			X				X											
AEW-507			1735	1			X				X											
AEW-508			1740	1			X				X											
AEW-509			1745	1			X				X											
AEW-510			1750	1			X				X											
AEW-516		7/3/08	930	1			X				X											
AEW-521			955	1			X				X											
AEW-526		7/7/08	1655	1			X				X											
AEW-505		7/2/08	1725	1			X				X											
AEW-519		7/3/08	945	1			X				X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	7/8/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☐ ☑ Others:

LABORATORY: 24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 7/8/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Randall Young / Joe LaPlante Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs (8260B)

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	Other	Comments
AEW-517	Presidio	7/7/08	935	1	SS		X				X					composite #52
AEW-520			950	1			X				X					
AEW-525		7/7/08	1650	1			X				X					
AEW-530			1710	1			X				X					
AEW-531			1715	1			X				X					
AEW-535			1735	1			X				X					
AEW-536			1740	1			X				X					
AEW-537			1745	1			X				X					
AEW-538			1750	1			X				X					
AEW-539			1755	1			X				X					

Relinquished By:	Date:	Time:	Received By:
Randall Young	7/8/08	1700	[illegible]

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	☑ Normal
MAI				

Date: 7/8/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Randall Young / Soulabbate Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-522	Presidio	7/3/08	1000	1	SS		X				X											composite #53
AEW-523			1005	1			X				X											
AEW-524			1010	1			X				X											
AEW-528		7/9/08	1700	1			X				X											
AEW-529			1705	1			X				X											
AEW-~~490~~ 524																						
AEW-490		7/2/08	1610	1			X				X											
AEW-492			1620	1			X				X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	7/8/08	1700	[illegible]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0807204 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 07/08/2008
Date Printed: 07/08/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0807204-001	Composite #49	Soil	7/2/2008 16:00	☐				A	A	A	A					
0807204-002	Composite #50	Soil	7/2/2008 14:25	☐				A	A	A	A					
0807204-003	Composite #51	Soil	7/2/2008 17:10	☐				A	A	A	A					
0807204-004	Composite #52	Soil	7/3/2008 9:35	☐				A	A	A	A					
0807204-005	Composite #53	Soil	7/3/2008 10:00	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **7/8/08 8:52:08 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0807204** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.3°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/03/08
		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
	Client P.O.:	Date Analyzed: 07/12/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0807204

Lab ID	0807204-005A				Reporting Limit for DF =1	
Client ID	Composite #53					
Matrix	S					
DF	20				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50				0.025	NA
Aroclor1221	ND<0.50				0.025	NA
Aroclor1232	ND<0.50				0.025	NA
Aroclor1242	ND<0.50				0.025	NA
Aroclor1248	ND<0.50				0.025	NA
Aroclor1254	ND<0.50				0.025	NA
Aroclor1260	ND<0.50				0.025	NA
PCBs, total	ND<0.50				0.025	NA
Surrogate Recoveries (%)						
%SS:	108					
Comments	a1					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

a1) sample diluted due to matrix interference

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/15/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807204

Lab ID	0807204-005A						
Client ID	Composite #53						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	86	%SS2:	94
%SS3:	81		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/03/08
		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
	Client P.O.:	Date Analyzed: 07/10/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0807204

Lab ID	0807204-005A				Reporting Limit for DF =1	
Client ID	Composite #53					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	0.0065				0.005	NA
Benzo(a)anthracene	0.013				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	0.0096				0.005	NA
Benzo(k)fluoranthene	0.0075				0.005	NA
Chrysene	0.020				0.005	NA
Dibenzo(a,h)anthracene	0.0057				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	0.0057				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	0.013				0.005	NA
Surrogate Recoveries (%)						
%SS1	82					
%SS2	62					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08-07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/11/08-07/12/08

CAM / CCR 17 Metals*

Lab ID	0807204-001A	0807204-002A	0807204-003A	0807204-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #49	Composite #50	Composite #51	Composite #52		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0807204

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	0.5	NA
Arsenic	3.2	2.9	0.72	0.57	0.5	NA
Barium	61	51	22	14	5.0	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	220	63	400	390	0.5	NA
Cobalt	16	7.2	41	27	0.5	NA
Copper	17	12	16	9.0	0.5	NA
Lead	5.3	3.3	1.8	7.9	0.5	NA
Mercury	0.12	ND	ND	ND	0.05	NA
Molybdenum	0.90	0.98	ND	ND	0.5	NA
Nickel	210	55	850	540	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	40	33	18	22	0.5	NA
Zinc	30	23	16	14	5.0	NA
%SS:	97	93	98	94		

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08-07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/11/08-07/12/08

CAM / CCR 17 Metals*

Lab ID	0807204-005A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #53					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0807204

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.6				0.5	NA
Barium	65				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	45				0.5	NA
Cobalt	5.8				0.5	NA
Copper	20				0.5	NA
Lead	49				0.5	NA
Mercury	0.21				0.05	NA
Molybdenum	0.66				0.5	NA
Nickel	38				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	33				0.5	NA
Zinc	49				5.0	NA
%SS:	95					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08-07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/10/08-07/11/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0807204

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #49	S	71,d7	ND	ND	ND	ND	ND	1	98
002A	Composite #50	S	49,d7	ND	ND	ND	ND	ND	1	91
003A	Composite #51	S	10,d7	ND<0.50	ND<0.050	ND<0.050	ND<0.050	ND<0.050	10	101
004A	Composite #52	S	20,d7,d9	ND	ND	ND	ND	ND	1	107
005A	Composite #53	S	32,d7	ND	ND	ND	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08-07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/08/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/10/08-07/13/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0807204

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0807204-001A	Composite #49	S	120,e8,e7	23	1	114
0807204-002A	Composite #50	S	780,e8	30	1	108
0807204-003A	Composite #51	S	49,e8,e7	37	1	106
0807204-004A	Composite #52	S	20,e7,e8/e2	73	1	105
0807204-005A	Composite #53	S	450,e8	68	10	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range; and/or e2) diesel range compounds are significant; no recognizable pattern
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0807204

EPA Method SW8082A **Extraction SW3550C** **BatchID: 36834** **Spiked Sample ID: 0807204-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND<0.50	0.075	116	113	3.25	101	102	1.08	70 - 130	20	70 - 130	20
%SS:	108	0.050	115	111	3.35	102	104	1.98	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36834 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-005A	07/03/08 10:00 AM	07/08/08	07/12/08 9:27 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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JR QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0807204

EPA Method SW8260B **Extraction SW5030B** **BatchID: 36831** **Spiked Sample ID: 0807202-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	107	106	0.0717	95.5	95.2	0.316	60 - 130	30	60 - 130	30
Benzene	ND	0.050	109	108	0.815	98.1	99	0.962	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	89.3	87.5	2.01	79.1	76.8	2.97	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	93.4	92.2	1.29	107	107	0	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	101	100	1.25	116	115	0.967	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	116	114	1.53	93.6	93.8	0.219	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	123	122	0.938	90.7	90.8	0.202	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	121	119	1.51	92	92.1	0.0545	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	116	115	0.700	97.2	96.8	0.437	60 - 130	30	60 - 130	30
Toluene	ND	0.050	97.8	96.7	1.13	102	103	0.767	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	102	100	1.81	109	109	0	60 - 130	30	60 - 130	30
%SS1:	87	0.12	102	102	0	94	94	0	70 - 130	30	70 - 130	30
%SS2:	93	0.12	102	102	0	99	99	0	70 - 130	30	70 - 130	30
%SS3:	89	0.12	107	106	0.627	99	98	0.996	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36831 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-005A	07/03/08 10:00 AM	07/08/08	07/15/08 3:44 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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AR QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0807204

EPA Method SW8270C **Extraction SW3550C** **BatchID: 36835** **Spiked Sample ID: 0807204-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	116	113	2.62	84.9	83.5	1.63	30 - 130	30	30 - 130	30
Chrysene	0.020	0.10	103	107	2.55	95.1	92.5	2.81	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	109	103	6.07	112	113	0.898	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	107	109	1.49	105	101	3.76	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	109	107	2.02	86.9	84.6	2.73	30 - 130	30	30 - 130	30
Pyrene	0.013	0.10	110	107	3.06	103	100	3.16	30 - 130	30	30 - 130	30
%SS1:	82	0.050	81	80	1.53	88	88	0	30 - 130	30	30 - 130	30
%SS2:	62	0.050	61	60	1.50	90	91	0.646	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36835 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-005A	07/03/08 10:00 AM	07/08/08	07/10/08 7:08 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0807204

EPA Method 6020A **Extraction SW3050B** **BatchID: 36816** **Spiked Sample ID 0807197-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	100	98.7	1.68	10	101	101	0	70 - 130	20	80 - 120	20
Arsenic	4.5	50	100	97.8	2.15	10	101	101	0	70 - 130	20	80 - 120	20
Barium	110	500	98.1	94.9	2.66	100	89.2	89.5	0.403	70 - 130	20	80 - 120	20
Beryllium	ND	50	83.2	82.4	0.984	10	82.1	84.8	3.19	70 - 130	20	80 - 120	20
Cadmium	ND	50	96.5	95	1.54	10	98.4	98.5	0.132	70 - 130	20	80 - 120	20
Chromium	60	50	96.3	92.9	1.58	10	101	103	1.37	70 - 130	20	80 - 120	20
Cobalt	12	50	86.9	85.1	1.66	10	95.1	96.8	1.69	70 - 130	20	80 - 120	20
Copper	27	50	92.6	88.7	2.73	10	94.7	95.5	0.814	70 - 130	20	80 - 120	20
Lead	4.9	50	93.2	91.2	1.94	10	93	92.8	0.180	70 - 130	20	80 - 120	20
Mercury	ND	1.25	95.4	94.5	0.915	0.25	94.2	99.2	5.25	70 - 130	20	80 - 120	20
Molybdenum	ND	50	96.7	94.1	2.72	10	97	97.1	0.196	70 - 130	20	80 - 120	20
Nickel	60	50	93.1	89.5	1.70	10	86.8	86.9	0.196	70 - 130	20	80 - 120	20
Selenium	ND	50	96.6	95.3	1.27	10	98.4	98.4	0	70 - 130	20	80 - 120	20
Silver	ND	50	111	109	1.63	10	98.2	98.8	0.640	70 - 130	20	80 - 120	20
Thallium	ND	50	89.8	87.9	2.11	10	88	88.3	0.397	70 - 130	20	80 - 120	20
Vanadium	64	50	98.2	93.6	2.06	10	102	102	0	70 - 130	20	80 - 120	20
Zinc	55	500	93.2	92.4	0.790	100	96.4	96.7	0.342	70 - 130	20	80 - 120	20
%SS:	96	250	95	97	1.25	250	91	91	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 36816 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-001A	07/02/08 4:00 PM	07/08/08	07/11/08 2:01 AM	0807204-001A	07/02/08 4:00 PM	07/08/08	07/12/08 4:36 AM
0807204-002A	07/02/08 2:25 PM	07/08/08	07/11/08 2:09 AM	0807204-003A	07/02/08 5:10 PM	07/08/08	07/11/08 2:17 AM
0807204-003A	07/02/08 5:10 PM	07/08/08	07/12/08 4:44 AM	0807204-004A	07/03/08 9:35 AM	07/08/08	07/11/08 2:25 AM
0807204-004A	07/03/08 9:35 AM	07/08/08	07/12/08 4:53 AM	0807204-005A	07/03/08 10:00 AM	07/08/08	07/11/08 2:34 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0807204

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36829 Spiked Sample ID: 0807202-005A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	95.9	97.8	1.93	99.6	104	4.33	70 - 130	20	70 - 130	20
MTBE	ND	0.10	91.1	85.7	6.10	104	109	5.05	70 - 130	20	70 - 130	20
Benzene	ND	0.10	91.3	92.4	1.18	90.1	92.8	2.98	70 - 130	20	70 - 130	20
Toluene	ND	0.10	83.1	84.8	2.04	99.4	103	3.25	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	89.4	90.7	1.49	98.3	101	2.53	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	85.5	87.7	2.61	109	112	2.84	70 - 130	20	70 - 130	20
%SS:	94	0.10	88	87	1.07	90	93	3.30	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36829 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-001A	07/02/08 4:00 PM	07/08/08	07/11/08 12:55 AM	0807204-002A	07/02/08 2:25 PM	07/08/08	07/11/08 1:55 AM
0807204-003A	07/02/08 5:10 PM	07/08/08	07/10/08 11:25 PM	0807204-004A	07/03/08 9:35 AM	07/08/08	07/11/08 1:25 AM
0807204-005A	07/03/08 10:00 AM	07/08/08	07/11/08 2:55 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0807204

EPA Method SW8015C **Extraction SW3550C/3630C** **BatchID: 36830** **Spiked Sample ID: 0807202-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	2.1	20	94.2	92.7	1.45	95.7	96	0.299	70 - 130	30	70 - 130	30
%SS:	103	50	111	109	1.59	109	109	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36830 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-001A	07/02/08 4:00 PM	07/08/08	07/10/08 2:02 PM	0807204-002A	07/02/08 2:25 PM	07/08/08	07/10/08 7:35 PM
0807204-003A	07/02/08 5:10 PM	07/08/08	07/12/08 2:54 PM	0807204-004A	07/03/08 9:35 AM	07/08/08	07/12/08 4:04 PM
0807204-005A	07/03/08 10:00 AM	07/08/08	07/12/08 1:43 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	07/02/08-07/03/08
		Date Received:	07/08/08
	Client Contact: Randall Young	Date Reported:	07/23/08
	Client P.O.:	Date Completed:	07/23/08

WorkOrder: 0807204

July 23, 2008

Dear Randall:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0807204 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX: (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 07/08/2008
Date Add-On: 07/17/2008
Date Printed: 07/24/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0807204-001	Composite #49	Soil	7/2/2008 16:00	☐	A	A										
0807204-002	Composite #50	Soil	7/2/2008 14:25	☐	A	A										
0807204-003	Composite #51	Soil	7/2/2008 17:10	☐	A	A										
0807204-004	Composite #52	Soil	7/3/2008 9:35	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: STLC/TCLP for CR, NI added to various soil samples 7/17/08 STD. TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08-07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/18/08-07/20/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/22/08

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0807204

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #49	S	WET	1.8	2.3	1	N/A
003A	Composite #51	S	WET	4.9	17	1	N/A
004A	Composite #52	S	WET	6.2	17	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08
		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/18/08-07/20/08
	Client P.O.:	Date Analyzed: 07/21/08

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0807204

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0807204-002A	Composite #50	S	WET	0.57	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 07/02/08-07/03/08
55 New Montgomery St, Ste 507		Date Received: 07/08/08
	Client Contact: Randall Young	Date Extracted: 07/18/08-07/19/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/22/08

ICP Metals*

Extraction method: SW1311 Analytical methods: SW6010C Work Order: 0807204

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #49	S	TCLP	ND	ND	1	N/A
003A	Composite #51	S	TCLP	ND	0.28	1	N/A
004A	Composite #52	S	TCLP	ND	5.1	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37039 WorkOrder: 0807204

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	101	99.5	1.92	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	104	100	3.33	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37039 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-001A	07/02/08 4:00 PM	07/18/08	07/22/08 10:16 AM	0807204-002A	07/02/08 2:25 PM	07/18/08	07/21/08 4:16 PM
0807204-003A	07/02/08 5:10 PM	07/18/08	07/22/08 10:11 AM	0807204-004A	07/03/08 9:35 AM	07/18/08	07/22/08 10:20 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36991 WorkOrder: 0807204

EPA Method SW6010C **Extraction SW1311** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	101	102	1.58	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	103	103	0	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 36991 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807204-001A	07/02/08 4:00 PM	07/18/08	07/22/08 4:58 PM	0807204-003A	07/02/08 5:10 PM	07/18/08	07/22/08 5:03 PM
0807204-004A	07/03/08 9:35 AM	07/18/08	07/22/08 5:08 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	08/04/08-08/05/08
		Date Received:	08/06/08
	Client Contact: Randall Young	Date Reported:	08/13/08
	Client P.O.:	Date Completed:	08/13/08

WorkOrder: 0808155

August 13, 2008

Dear Randall:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0808155

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal Others:

LABORATORY: MAI

Date: 8/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randy Young / Joe Laplante Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-540	Presidio	8/4/08	1315	1	SS				X		X						X					Composite #54
AEW-541			1320	1					X		X											
AEW-542			1325	1					X		X											
AEW-543			1330	1					X		X											
AEW-544			1335	1					X		X											
AEW-545			1340	1					X		X											
AEW-546			1345	1					X		X											
AEW-547			1350	1					X		X											
AEW-548			1355	1					X		X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	8/4/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:
ICE / t° 7.4 ✓
GOOD CONDITION ____ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION ____ VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal ☐ Others:

LABORATORY: MAI

Date: 8/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: R. Young / J. LaMonte Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-548	Presidio	8/4/08	1400	1	SS				X		X					X						composite #55
AEW-550			1405	1					X		X											
AEW-551			1410	1					X		X											
AEW-552			1415	1					X		X											
AEW-553			1420	1					X		X											
AEW-554			1425	1					X		X											
AEW-555		8/5/08	1300	1					X		X											
AEW-556			1305	1					X		X											
AEW-557			1310	1					X		X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	8/4/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☑

Date: 8/6/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: R. Young / S. LaPlante Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	Other	Comments
AEW-558	Presidio	8/5/08	1315	1	SS				X		X					Composite #56
AEW-559			1320	1					X		X					
AEW-560			1325	1					X		X					
AEW-561			1330	1					X		X					
AEW-562			1335	1					X		X					
AEW-563			1340	1					X		X					
AEW-564			1345	1					X		X					
AEW-565			1350	1					X		X					
AEW-566			1355	1					X		X					

Relinquished By:	Date:	Time:	Received By:
Randall Young	8/6/08	1700	[illegible]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0808155 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **08/06/2008**
Date Printed: **08/06/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0808155-001	Composite #54	Soil	8/4/2008 13:15	☐	A	A	A	A								
0808155-002	Composite #55	Soil	8/4/2008 14:00	☐	A	A	A	A								
0808155-003	Composite #56	Soil	8/5/2008 13:15	☐	A	A	A	A								

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	PRCOMPOSITING	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **08/06/08 5:50:26 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0808155** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/04/08-08/05/08
55 New Montgomery St, Ste 507		Date Received 08/06/08
	Client Contact: Randall Young	Date Extracted 08/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/09/08-08/12/08

CAM / CCR 17 Metals*

Lab ID	0808155-001A	0808155-002A	0808155-003A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #54	Composite #55	Composite #56			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0808155

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	1.8	2.1	ND		0.5	NA
Barium	41	150	21		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	150	140	350		0.5	NA
Cobalt	13	18	25		0.5	NA
Copper	15	14	5.6		0.5	NA
Lead	2.6	3.7	4.1		0.5	NA
Mercury	0.20	0.12	0.16		0.05	NA
Molybdenum	ND	2.6	ND		0.5	NA
Nickel	200	280	610		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	3.4	2.4	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	26	37	14		0.5	NA
Zinc	18	26	15		5.0	NA
%SS:	99	104	104			

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/04/08-08/05/08
55 New Montgomery St, Ste 507		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/07/08-08/08/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0808155

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #54	S	15,d7	ND	ND	ND	ND	ND	1	97
002A	Composite #55	S	27,d7	ND	ND	ND	ND	ND	1	83
003A	Composite #56	S	2.7,d7	ND	ND	ND	ND	ND	1	108

Reporting Limit for DF =1; ND means not detected at or	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/04/08-08/05/08
55 New Montgomery St, Ste 507		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/06/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 08/07/08-08/13/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0808155

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0808155-001A	Composite #54	S	140,e8	19	1	128
0808155-002A	Composite #55	S	21,e7,e8	38	1	116
0808155-003A	Composite #56	S	24,e7,e2	58	2	93

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0808155

EPA Method 6020A **Extraction SW3050B** **BatchID: 37438** **Spiked Sample ID 0808155-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	95.2	99.1	3.97	10	106	107	0.656	70 - 130	20	80 - 120	20
Arsenic	ND	50	91	93.7	2.89	10	107	105	2.07	70 - 130	20	80 - 120	20
Barium	21	500	99.6	104	3.95	100	108	108	0	70 - 130	20	80 - 120	20
Beryllium	ND	50	91.2	93.1	2.08	10	101	103	1.96	70 - 130	20	80 - 120	20
Cadmium	ND	50	93.6	96.2	2.78	10	106	106	0	70 - 130	20	80 - 120	20
Chromium	350	50	NR	NR	NR	10	115	104	10.1	70 - 130	20	80 - 120	20
Cobalt	25	50	96.6	101	3.02	10	112	114	1.42	70 - 130	20	80 - 120	20
Copper	5.6	50	86.4	89.6	3.27	10	115	110	4.45	70 - 130	20	80 - 120	20
Lead	4.1	50	93.9	97.6	3.58	10	108	107	0.743	70 - 130	20	80 - 120	20
Mercury	0.16	1.25	98.9	103	3.58	0.25	98.8	101	2.20	70 - 130	20	80 - 120	20
Molybdenum	ND	50	91.3	95.3	4.26	10	105	105	0	70 - 130	20	80 - 120	20
Nickel	610	50	NR	NR	NR	10	108	108	0	70 - 130	20	80 - 120	20
Selenium	ND	50	94.3	97.1	2.99	10	108	109	0.554	70 - 130	20	80 - 120	20
Silver	ND	50	84.5	87.5	3.40	10	100	102	1.19	70 - 130	20	80 - 120	20
Thallium	ND	50	95.3	99.8	4.57	10	101	101	0	70 - 130	20	80 - 120	20
Vanadium	14	50	94.9	98.5	2.89	10	119	120	0.251	70 - 130	20	80 - 120	20
Zinc	15	500	93.9	97.8	3.93	100	107	108	0.837	70 - 130	20	80 - 120	20
%SS:	104	250	102	105	2.87	250	108	108	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37438 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808155-001A	08/04/08 1:15 PM	08/06/08	08/09/08 11:21 AM	0808155-001A	08/04/08 1:15 PM	08/06/08	08/11/08 11:29 PM
0808155-002A	08/04/08 2:00 PM	08/06/08	08/09/08 11:29 AM	0808155-002A	08/04/08 2:00 PM	08/06/08	08/11/08 11:37 PM
0808155-003A	08/05/08 1:15 PM	08/06/08	08/09/08 10:49 AM	0808155-003A	08/05/08 1:15 PM	08/06/08	08/09/08 11:13 AM
0808155-003A	08/05/08 1:15 PM	08/06/08	08/12/08 10:24 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37436 WorkOrder 0808155

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0808151-011**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	94.3	98.4	4.20	104	109	4.24	70 - 130	20	70 - 130	20
MTBE	ND	0.10	94.4	101	6.40	109	100	8.00	70 - 130	20	70 - 130	20
Benzene	ND	0.10	89.7	90.6	0.949	103	101	2.73	70 - 130	20	70 - 130	20
Toluene	ND	0.10	80.9	80.6	0.410	91.6	92.3	0.731	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	91.3	90.9	0.446	103	102	0.996	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	88.1	89.9	2.08	99.6	97.6	1.99	70 - 130	20	70 - 130	20
%SS:	86	0.10	81	82	0.604	94	92	2.10	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37436 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808155-001A	08/04/08 1:15 PM	08/06/08	08/07/08 5:54 PM	0808155-002A	08/04/08 2:00 PM	08/06/08	08/08/08 6:38 AM
0808155-003A	08/05/08 1:15 PM	08/06/08	08/08/08 7:11 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37437 WorkOrder 0808155

EPA Method SW8015C **Extraction SW3550C/3630C** **Spiked Sample ID: 0808155-003**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	24	20	116	97.2	8.13	101	100	0.568	70 - 130	30	70 - 130	30
%SS:	93	50	99	91	8.64	119	117	1.05	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37437 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808155-001A	08/04/08 1:15 PM	08/06/08	08/07/08 12:09 PM	0808155-002A	08/04/08 2:00 PM	08/06/08	08/07/08 12:09 PM
0808155-003A	08/05/08 1:15 PM	08/06/08	08/13/08 2:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	08/04/08-08/05/08
		Date Received:	08/06/08
	Client Contact: Randall Young	Date Reported:	08/20/08
	Client P.O.:	Date Completed:	08/20/08

WorkOrder: 0808155

August 20, 2008

Dear Randall:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0808155

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal ☐ Others:

LABORATORY: MAI

Date: 8/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Randy Young / Joe LaPlante Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC CR/Ni 8/14/08	TCLP	Other	Comments
AEW-540	Presidio	8/4/08	1315	1	SS				X		X													Composite #54
AEW-541			1320	1					X		X													
AEW-542			1325	1					X		X													
AEW-543			1330	1					X		X													
AEW-544			1335	1					X		X													
AEW-545			1340	1					X		X													
AEW-546			1345	1					X		X													
AEW-547			1350	1					X		X													
AWE-548			1355	1					X		X													

Relinquished By:	Date:	Time:	Received By:
Randall Young	8/4/08	1700	[illegible]

Remarks:
ICE / t° 7.4 ✓
GOOD CONDITION ____ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal ☐ Others:

LABORATORY: MAI

Date: 8/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: R. Young / J. LeHeaton Project No.: 2007-014

Sampler: Signature: Randall Young Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	STLC & TCLP CR/NI 8-14-08	Other	Comments
AEW-548	Presidio	8/4/08	1400	1	SS				X		X												composite #55
AEW-550			1405	1					X		X												
AEW-551			1410	1					X		X												
AEW-552			1415	1					X		X												
AEW-553			1420	1					X		X												
AEW-554			1425	1					X		X												
AEW-555		8/5/08	1300	1					X		X												
AEW-556			1305	1					X		X												
AEW-557			1310	1					X		X												

Relinquished By:	Date:	Time:	Received By:
Randall Young	8/4/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
MAI				☑

Date: 8/6/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: R. Young / S. LaPlante Project No.: 2007-014
Sampler: Signature: Randy Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC + TCLP 8/8/08	Comments
AEW-558	Presidio	8/5/08	1315	1	SS				X		X						X					
AEW-559			1320	1					X		X											
AEW-560			1325	1					X		X											
AEW-561			1330	1					X		X											Composite #560
AEW-562			1335	1					X		X											
AEW-563			1340	1					X		X											
AEW-564			1345	1					X		X											
AEW-565			1350	1					X		X											
AEW-566			1355	1					X		X											

Relinquished By:	Date:	Time:	Received By:
Randy Young	8/6/08	1700	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080815 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc: kleung@aewengineering.com
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 08/06/2008
Date Add-On: 08/14/2008
Date Printed: 08/15/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0808155-001	Composite #54	Soil	8/4/2008 13:15	☐	A	A										
0808155-002	Composite #55	Soil	8/4/2008 14:00	☐	A	A										
0808155-003	Composite #56	Soil	8/5/2008 13:15	☐	A	A										

Test Legend:

1	STLC_METALS_Soil	2	TCLP_METALS_Soil	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Added STLC and TCLP CR/NI for samples 1,2,and 3 on STANDARD TAT per email.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/04/08-08/05/08
55 New Montgomery St, Ste 507		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/16/08-08/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 08/19/08

ICP Metals*

Extraction method: CA Title 22 Analytical methods: SW6010C Work Order: 0808155

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #54	S	WET	1.5	5.8	1	N/A
002A	Composite #55	S	WET	1.5	6.9	1	N/A
003A	Composite #56	S	WET	3.4	16	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	WET	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/04/08-08/05/08
		Date Received: 08/06/08
	Client Contact: Randall Young	Date Extracted: 08/14/08-08/15/08
	Client P.O.:	Date Analyzed: 08/19/08

ICP Metals*

Extraction method: SW1311 Analytical methods: SW6010C Work Order: 0808155

Lab ID	Client ID	Matrix	Extraction Type	Chromium	Nickel	DF	% SS
001A	Composite #54	S	TCLP	ND	0.77	1	N/A
002A	Composite #55	S	TCLP	ND	0.60	1	N/A
003A	Composite #56	S	TCLP	0.062	2.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA
	S	TCLP	0.05	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37615 WorkOrder: 0808155

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	92.1	96.3	4.45	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	94.6	90.8	4.14	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37615 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808155-001A	08/04/08 1:15 PM	08/16/08	08/19/08 12:23 PM	0808155-002A	08/04/08 2:00 PM	08/16/08	08/19/08 12:25 PM
0808155-003A	08/05/08 1:15 PM	08/16/08	08/19/08 12:28 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

JR QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37626 WorkOrder: 0808155

EPA Method SW6010C **Extraction SW1311** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	97.1	97.8	0.760	N/A	N/A	80 - 120	20
Nickel	N/A	1	N/A	N/A	N/A	98.6	101	2.43	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37626 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808155-001A	08/04/08 1:15 PM	08/14/08	08/19/08 12:15 PM	0808155-002A	08/04/08 2:00 PM	08/14/08	08/19/08 12:18 PM
0808155-003A	08/05/08 1:15 PM	08/14/08	08/19/08 12:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

JR QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	08/11/08
		Date Received:	08/12/08
	Client Contact: Randall Young	Date Reported:	08/18/08
	Client P.O.:	Date Completed:	08/14/08

WorkOrder: 0808334

August 18, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0808334

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: ☐ 2 4 HOUR ☐ 48 HOURS ☐ 24 HOURS ☒ Normal

Others:

LABORATORY: McCampbell

Date: 8/12/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-567	Doyle Drive	8/11/08	16:45	1	SS		X				X					X				3	Composite 57	
AEW-568	Doyle Drive	8/11/08	16:50	1	SS		X				X					X				3		

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	8/12/08	13:55	
	8/12/08	4:15	
Relinquished By:	Date:	Time:	Received By:

Remarks:

ICE / t° 8.8 ✓
GOOD CONDITION ____ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0808334 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc: kleung@aewengineering.com
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 08/12/2008
Date Printed: 08/15/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0808334-001	Composite #57	Soil	8/11/2008 16:45	☐	A	A	A									

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **08/12/08 7:44:24 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0808334** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 8.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/11/08
55 New Montgomery St, Ste 507		Date Received 08/12/08
	Client Contact: Randall Young	Date Extracted 08/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/13/08-08/14/08

CAM / CCR 17 Metals*

Lab ID	0808334-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite #57					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0808334

Dilution Factor	1				1	1
Antimony	0.53				0.5	NA
Arsenic	5.8				0.5	NA
Barium	100				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	92				0.5	NA
Cobalt	14				0.5	NA
Copper	20				0.5	NA
Lead	6.2				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	60				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	68				0.5	NA
Zinc	47				5.0	NA
%SS:	102					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/11/08
55 New Montgomery St, Ste 507		Date Received: 08/12/08
	Client Contact: Randall Young	Date Extracted: 08/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 08/13/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0808334

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite #57	S	ND	ND	ND	ND	ND	ND	1	88

Reporting Limit for DF =1; ND means not detected at or	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/11/08
55 New Montgomery St, Ste 507		Date Received: 08/12/08
	Client Contact: Randall Young	Date Extracted: 08/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 08/14/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0808334

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0808334-001A	Composite #57	S	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0808334

EPA Method 6020A **Extraction SW3050B** **BatchID: 37553** **Spiked Sample ID 0808318-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	99.8	103	2.80	10	104	106	2.10	70 - 130	20	80 - 120	20
Arsenic	3.5	50	97.4	99.1	1.62	10	101	103	2.26	70 - 130	20	80 - 120	20
Barium	13	500	97.2	100	2.81	100	97.6	100	2.67	70 - 130	20	80 - 120	20
Beryllium	ND	50	101	103	2.31	10	118	118	0	70 - 130	20	80 - 120	20
Cadmium	ND	50	97.5	99.7	2.27	10	103	106	3.17	70 - 130	20	80 - 120	20
Chromium	36	50	93.2	96.5	1.94	10	118	115	2.40	70 - 130	20	80 - 120	20
Cobalt	4.0	50	95.8	98.3	2.40	10	108	107	0.466	70 - 130	20	80 - 120	20
Copper	16	50	70.1	72.1	1.94	10	101	104	2.24	70 - 130	20	80 - 120	20
Lead	3.4	50	94.2	96.2	2.04	10	100	102	1.58	70 - 130	20	80 - 120	20
Mercury	ND	1.25	89.8	92.3	2.78	0.25	99	95.5	3.58	70 - 130	20	80 - 120	20
Molybdenum	ND	50	97.8	100	2.63	10	99.6	104	3.99	70 - 130	20	80 - 120	20
Nickel	19	50	95.8	97.8	1.51	10	101	103	2.45	70 - 130	20	80 - 120	20
Selenium	ND	50	95.4	97.4	2.05	10	98.8	103	4.11	70 - 130	20	80 - 120	20
Silver	ND	50	124	126	1.69	10	104	107	2.47	70 - 130	20	80 - 120	20
Thallium	ND	50	96.1	98.2	2.18	10	91.1	93.7	2.82	70 - 130	20	80 - 120	20
Vanadium	33	50	94.1	97.3	2.03	10	117	114	2.78	70 - 130	20	80 - 120	20
Zinc	14	500	99.4	104	4.11	100	99.1	101	2.01	70 - 130	20	80 - 120	20
%SS:	99	250	94	95	1.40	250	97	100	2.96	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37553 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808334-001A	08/11/08 4:45 PM	08/12/08	08/13/08 10:16 PM	0808334-001A	08/11/08 4:45 PM	08/12/08	08/14/08 5:39 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37535 WorkOrder: 0808334

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0808351-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	0.60	104	109	4.59	96.2	99.9	3.83	70 - 130	20	70 - 130	20
MTBE	ND	0.10	92.3	110	17.8	98.9	102	3.58	70 - 130	20	70 - 130	20
Benzene	ND	0.10	95.8	95.5	0.351	89.1	90.8	1.83	70 - 130	20	70 - 130	20
Toluene	ND	0.10	84.3	84.4	0.113	105	107	2.19	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.9	93.1	0.831	105	107	1.98	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	91.1	90.4	0.780	116	118	1.81	70 - 130	20	70 - 130	20
%SS:	95	0.10	87	84	3.93	97	99	1.16	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37535 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808334-001A	08/11/08 4:45 PM	08/12/08	08/13/08 10:22 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37563 WorkOrder: 0808334

EPA Method SW8015C **Extraction SW3550C/3630C** **Spiked Sample ID: 0808334-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	101	99.3	1.63	103	102	0.657	70 - 130	30	70 - 130	30
%SS:	97	50	109	108	1.38	115	115	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37563 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808334-001A	08/11/08 4:45 PM	08/12/08	08/14/08 4:33 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

JR QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	08/11/08
		Date Received:	08/12/08
	Client Contact: Randall Young	Date Reported:	08/18/08
	Client P.O.:	Date Completed:	08/22/08

WorkOrder: 0808334

August 22, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0808334

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME: ☐ 2 HOUR ☐ 48 HOURS ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 8/12/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaMante Project No.: 2007-014
Sampler: Signature: Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Other	Other	Other	Comments
AEW-567	Doyle Drive	8/11/08	16:45	1	SS		X				X				X				3	Composite 57		X	Added STLC CR DN 8/19/08 46 hr TAT per FAX.		
AEW-568	Doyle Drive	8/11/08	16:50	1	SS		X				X				X				3						

Relinquished By:	Date:	Time:	Received By:
J. LaMante	8/12/08	13:55	
	8/12/08	415	

Remarks:

ICE / t° 4.8
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION: VOAS | O & G | METALS | OTHER

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080833 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc: kleung@aewengineering.com
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 08/12/2008
Date Add-On: 08/19/2008
Date Printed: 08/19/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0808334-001	Composite #57	Soil	8/11/2008 16:45	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Added STLC CR on 08/19/08 on 48 HR TAT per fax.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 08/11/08
		Date Received: 08/12/08
	Client Contact: Randall Young	Date Extracted: 08/19/08-08/21/08
	Client P.O.:	Date Analyzed 08/21/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0808334

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0808334-001A	Composite #57	S	WET	0.28	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37662 WorkOrder 0808334

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	94.2	92.4	1.94	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37662 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808334-001A	08/11/08 4:45 PM	08/19/08	08/21/08 8:35 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled:	09/04/08
55 New Montgomery St, Ste 507		Date Received:	09/04/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	09/15/08
	Client P.O.:	Date Completed:	09/15/08

WorkOrder: 0809135

September 15, 2008

Dear Randy:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **# 2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0809135

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 2

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☒ 1 week ~~24 HOURS~~ Normal

Others:

LABORATORY: McCampbell

Date: 9/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaFlante Project No.: 2007-014

Sampler: Signature: J. LaFlante Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs 8260B

Other

Comments

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other
AEW-569	Doyle Drive	9/4/08	11:00	1	SS				X		X			
AEW-570			11:05	1	SS				X		X			
AEW-571			11:10	1	SS				X		X			
AEW-572			11:15	1	SS				X		X			
AEW-574			11:25	1	SS				X		X			
AEW-575			11:30	1	SS				X		X			
AEW-577			11:40	1	SS				X		X			
AEW-578			11:45	1	SS				X		X			
AEW-579			11:50	1	SS				X		X			
AEW-581	Doyle Drive	9/4/08	12:00	1	SS				X		X			

Composite 58

ICE / t° 8.4 ✓
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT —
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS | O&G | METALS | OTHER

Relinquished By:	Date:	Time:	Received By:
J. LaFlante	9/4/08	18:30	[signature]
[signature]	9/4/08	1945	K. Burks

Remarks:

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | ~~24 HOURS~~ 5-day | Normal

Date: 9/4/09

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaMonte Project No.: 2007-014

Sampler: Signature: J. LaMonte Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-592	Doyle Drive	9/4/09	12:05	1	SS				X		X											
AEW-593			12:10	1	SS				X		X											
AEW-594			12:15	1	SS				X		X											
AEW-595			12:20	1	SS				X		X											
AEW-596			12:25	1	SS				X		X											
AEW-597			12:30	1	SS				X		X											
AEW-598			12:35	1	SS				X		X											
AEW-599			12:40	1	SS				X		X											
AEW-590			12:45	1	SS				X		X											
AEW-591	Doyle Drive	9/4/09	12:50	1	SS				X		X											

Analysis Request: Composite 59

Relinquished By:	Date	Time:	Received By:
J. LaMonte	9/4/09	13:30	[signature]
[signature]	9/4/09	1945	K. Burks

Remarks: Composite 10 → 1

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809135 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: # 2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: 09/04/2008
Date Printed: 09/08/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0809135-001	Composite 58	Soil	9/4/2008 11:00	☐	A	A	A	A	A	A	A					
0809135-002	Composite 59	Soil	9/4/2008 12:05	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **9/4/2008 8:37:33 PM**

Project Name: **# 2007-014; Doyle Drive**

Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0809135** Matrix Soil

Carrier: Michael Hernandez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 8.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
		Date Received: 09/04/08
	Client Contact: Randy Young	Date Extracted: 09/04/08
	Client P.O.:	Date Analyzed 09/06/08-09/15/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0809135

Lab ID	0809135-001A	0809135-002A			Reporting Limit for DF =1	
Client ID	Composite 58	Composite 59				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	91	94				
Comments	h4					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

AR Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
		Date Received: 09/04/08
55 New Montgomery St, Ste 507	Client Contact: Randy Young	Date Extracted: 09/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809135

Lab ID	0809135-001A						
Client ID	Composite 58						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	0.0091	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	101	%SS2:	109
%SS3:	97		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
55 New Montgomery St, Ste 507		Date Received: 09/04/08
	Client Contact: Randy Young	Date Extracted: 09/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809135

Lab ID	0809135-002A						
Client ID	Composite 59						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	103	%SS2:	110
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
55 New Montgomery St, Ste 507		Date Received: 09/04/08
	Client Contact: Randy Young	Date Extracted: 09/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/06/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0809135

Lab ID	0809135-001A	0809135-002A			Reporting Limit for DF =1	
Client ID	Composite 58	Composite 59				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND			0.005	NA
Acenaphthylene	ND	ND			0.005	NA
Anthracene	ND	ND			0.005	NA
Benzo(a)anthracene	ND	ND			0.005	NA
Benzo(a)pyrene	ND	ND			0.005	NA
Benzo(b)fluoranthene	ND	ND			0.005	NA
Benzo(g,h,i)perylene	ND	ND			0.005	NA
Benzo(k)fluoranthene	ND	ND			0.005	NA
Chrysene	ND	ND			0.005	NA
Dibenzo(a,h)anthracene	ND	ND			0.005	NA
Fluoranthene	ND	ND			0.005	NA
Fluorene	ND	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND			0.005	NA
1-Methylnaphthalene	ND	ND			0.005	NA
2-Methylnaphthalene	ND	ND			0.005	NA
Naphthalene	ND	ND			0.005	NA
Phenanthrene	ND	ND			0.005	NA
Pyrene	ND	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	106	100				
%SS2	99	91				
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
55 New Montgomery St, Ste 507		Date Received 09/04/08
	Client Contact: Randy Young	Date Extracted 09/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/06/08

CAM / CCR 17 Metals*

Lab ID	0809135-001A	0809135-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 58	Composite 59				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0809135

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	1.8	1.7			0.5	NA
Barium	42	55			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	54	33			0.5	NA
Cobalt	3.8	4.3			0.5	NA
Copper	8.0	8.7			0.5	NA
Lead	3.0	7.7			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	ND	0.55			0.5	NA
Nickel	24	24			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	30	27			0.5	NA
Zinc	16	18			5.0	NA
%SS:	89	87				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
55 New Montgomery St, Ste 507		Date Received: 09/04/08
	Client Contact: Randy Young	Date Extracted: 09/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/06/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0809135

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 58	S	46,d7	ND	ND	0.012	ND	ND	1	110
002A	Composite 59	S	65,d7	ND	ND	ND	ND	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
55 New Montgomery St, Ste 507		Date Received: 09/04/08
	Client Contact: Randy Young	Date Extracted: 09/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 09/11/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0809135

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0809135-001A	Composite 58	S	1100,e8	ND<100	20	99
0809135-002A	Composite 59	S	320,e8	ND<25	5	90

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37995 WorkOrder 0809135

EPA Method SW8015C **Extraction SW3550C/3630C** **Spiked Sample ID: 0809084-012**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	103	102	1.11	103	101	2.07	70 - 130	30	70 - 130	30
%SS:	110	50	122	120	1.08	123	122	0.934	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37995 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/04/08	09/11/08 3:35 PM	0809135-002A	09/04/08 12:05 PM	09/04/08	09/11/08 3:35 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38002 WorkOrder 0809135

EPA Method SW8082A **Extraction SW3550C** **Spiked Sample ID: 0809097-001**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	122	122	0	99	100	1.18	70 - 130	20	70 - 130	20
%SS:	105	0.050	73	72	0.794	102	102	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38002 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/04/08	09/15/08 1:45 PM	0809135-002A	09/04/08 12:05 PM	09/04/08	09/06/08 1:46 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36779 WorkOrder 0809135

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809117-017**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	87.8	78.9	10.7	78.8	85.2	7.78	60 - 130	30	60 - 130	30
Benzene	ND	0.050	102	93.9	7.93	104	94.9	9.41	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	93.1	86.2	7.71	82.7	105	24.1	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	102	93.8	8.79	103	92.9	10.3	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	94.5	87.3	7.92	93.5	93.2	0.385	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	107	103	3.82	98	98	0	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	78.1	72.6	7.31	88.6	81.4	8.42	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	103	95.6	7.15	96.6	96.5	0.0938	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	114	106	7.94	103	105	1.45	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	101	93.9	7.28	91.5	96.4	5.22	60 - 130	30	60 - 130	30
Toluene	ND	0.050	106	96.9	8.56	107	101	6.07	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	104	96.2	7.34	112	101	10.1	60 - 130	30	60 - 130	30
%SS1:	104	0.12	90	92	1.69	91	99	9.11	70 - 130	30	70 - 130	30
%SS2:	119	0.12	109	108	0.609	107	95	11.4	70 - 130	30	70 - 130	30
%SS3:	102	0.12	118	116	1.90	114	106	6.63	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 36779 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/04/08	09/08/08 8:02 PM	0809135-002A	09/04/08 12:05 PM	09/04/08	09/08/08 8:45 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37993 WorkOrder 0809135

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809084-012**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	104	99	4.99	101	98.1	2.52	70 - 130	20	70 - 130	20
MTBE	ND	0.10	107	109	1.24	107	113	5.54	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.4	92.9	2.66	92.8	98.7	6.13	70 - 130	20	70 - 130	20
Toluene	ND	0.10	102	105	2.81	104	110	5.90	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	97.1	100	3.11	102	108	5.60	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	110	113	2.52	113	119	5.43	70 - 130	20	70 - 130	20
%SS:	86	0.10	95	97	2.41	96	100	4.35	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37993 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/04/08	09/06/08 12:54 AM	0809135-002A	09/04/08 12:05 PM	09/04/08	09/06/08 1:24 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38033 WorkOrder 0809135

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0809135-002**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	76.7	76.5	0.168	87.9	87.9	0	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	83.9	83.2	0.932	95.9	94.3	1.69	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	101	103	2.15	103	102	1.27	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	99.8	104	4.31	95.7	94.2	1.55	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	77.2	76.8	0.486	85.4	84.6	0.997	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	90.3	89.6	0.767	104	104	0	30 - 130	30	30 - 130	30
%SS1:	100	0.050	89	90	0.231	93	93	0	30 - 130	30	30 - 130	30
%SS2:	91	0.050	87	88	0.547	88	88	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38033 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/04/08	09/06/08 7:33 PM	0809135-002A	09/04/08 12:05 PM	09/04/08	09/06/08 3:37 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled:	09/04/08
55 New Montgomery St, Ste 507		Date Received:	09/04/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	09/15/08
	Client P.O.:	Date Completed:	09/18/08

WorkOrder: 0809135

September 19, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **# 2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0809135

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 2

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☒ 1 week ~~24 HOURS~~ Normal

Others:

LABORATORY: McCampbell

Date: 9/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lafante Project No.: 2007-014
Sampler: Signature: J. Lafante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC, TCLP, RCRA Metals	Lead per EPA 3/23/11	Comments
AEW-569	Doyle Drive	9/4/08	11:00	1	SS				X		X												
AEW-570			11:05	1	SS				X		X												
AEW-571			11:10	1	SS				X		X												
AEW-572			11:15	1	SS				X		X												
AEW-574			11:25	1	SS				X		X												
AEW-575			11:30	1	SS				X		X												
AEW-577			11:40	1	SS				X		X												
AEW-578			11:45	1	SS				X		X												
AEW-579			11:50	1	SS				X		X												
AEW-581	Doyle Drive	9/4/08	12:00	1	SS				X		X												

Composite 58

ICE / t° 8.0
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT — CONTAINERS
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION

Relinquished By:	Date:	Time:	Received By:
J. Lafante	9/4/08	18:30	[signature]
[signature]	9/4/08	1945	K. Burns

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 080913 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: # 2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 09/04/2008
Date Add-On: 09/16/2008
Date Printed: 09/16/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0809135-001	Composite 58	Soil	9/4/2008 11:00	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments: STLC Cr added on 9/16/08 on a std tat per R.Y/Email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 507 San Francisco, CA 94105	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 09/04/08
		Date Received: 09/04/08
	Client Contact: Randy Young	Date Extracted: 09/16/08-09/18/08
	Client P.O.:	Date Analyzed 09/18/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0809135

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0809135-001A	Composite 58	S	WET	1.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38169 WorkOrder 0809135

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	95.1	106	11.1	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38169 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/16/08	09/18/08 6:21 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0809135

EPA Method 6020A **Extraction SW3050B** **BatchID: 37958** **Spiked Sample ID 0809069-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	85.4	86.4	1.18	10	92.1	92.7	0.638	70 - 130	20	80 - 120	20
Arsenic	4.1	50	94.2	96.6	2.26	10	98	101	2.87	70 - 130	20	80 - 120	20
Barium	120	500	94.6	97.1	2.07	100	95.3	95.6	0.377	70 - 130	20	80 - 120	20
Beryllium	ND	50	96	96.5	0.578	10	107	109	2.12	70 - 130	20	80 - 120	20
Cadmium	ND	50	94.6	95.1	0.485	10	99.6	101	1.12	70 - 130	20	80 - 120	20
Chromium	37	50	90.8	94.8	2.38	10	102	104	2.13	70 - 130	20	80 - 120	20
Cobalt	5.9	50	94.3	94.9	0.583	10	99.6	101	1.11	70 - 130	20	80 - 120	20
Copper	16	50	92.3	96.5	3.30	10	94.6	96.6	2.17	70 - 130	20	80 - 120	20
Lead	7.0	50	95.5	96.9	1.25	10	98.9	101	1.80	70 - 130	20	80 - 120	20
Mercury	0.058	1.25	97.6	98.7	1.09	0.25	97.1	96.2	0.876	70 - 130	20	80 - 120	20
Molybdenum	0.63	50	93.4	94	0.632	10	97.6	98.2	0.643	70 - 130	20	80 - 120	20
Nickel	26	50	92.4	96.4	2.68	10	98.2	101	2.86	70 - 130	20	80 - 120	20
Selenium	ND	50	93.1	93.9	0.853	10	97	99.1	2.19	70 - 130	20	80 - 120	20
Silver	ND	50	106	107	0.749	10	92.7	93.8	1.17	70 - 130	20	80 - 120	20
Thallium	ND	50	94.6	96.2	1.69	10	93.2	95.5	2.43	70 - 130	20	80 - 120	20
Vanadium	37	50	91.7	95.6	2.34	10	102	105	2.81	70 - 130	20	80 - 120	20
Zinc	35	500	98.1	98.8	0.683	100	96.3	97.6	1.33	70 - 130	20	80 - 120	20
%SS:	94	250	93	93	0	250	93	93	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 37958 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809135-001A	09/04/08 11:00 AM	09/04/08	09/06/08 6:42 AM	0809135-002A	09/04/08 12:05 PM	09/04/08	09/06/08 6:50 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled:	09/17/08
55 New Montgomery St, Ste 507		Date Received:	09/18/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	09/29/08
	Client P.O.:	Date Completed:	09/29/08

WorkOrder: 0809572

September 29, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0809572

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal Others:

LABORATORY: MAI

Date: 9/18/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe Laflante / Randy Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-592	Presidio	9/17/08	1600	1	SS				X		X				X	X	X	X	X	X		Composite #60
AEW-593			1605	1					X		X											
AEW-594			1615	1					X		X											
AEW-595			1620	1					X		X											
AEW-596			1625	1					X		X											
AEW-597			1630	1					X		X											
AEW-598			1635	1					X		X											
AEW-599			1640	1					X		X											
AEW-600			1645	1					X		X											
AEW-606			1715	1					X		X											

REC'D SEALED & INTACT VIA Rob Pringle

Relinquished By:	Date:	Time:	Received By:
Randall Young	9/18/08	1300	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

ICE / t° yes, 3.5°
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT N/A PRESERVED IN LAB no
DECHLORINATED IN LAB N/A

PRESERVATION	VOAS	O & G	METALS	OTHER

0809572

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD Page 2 of 2

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☑ Normal Others:

LABORATORY: MAI

Date: 9/18/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe Le Plath / Randy Young Project No.: 2007-014
Sampler: Signature: Randall Young Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-601	Presidio	9/17/08	1650	1	SS				X		X									X		Composite #61
AEW-602			1655	1					X		X											
AEW-603			1700	1					X		X											
AEW-604			1705	1					X		X											
AEW-605			1710	1					X		X											
AEW-607			1720	1					X		X											
AEW-608			1725	1					X		X											
AEW-609			1730	1					X		X											
AEW-610			1735	1					X		X											
AEW-611			1740	1					X		X											

Relinquished By:	Date:	Time:	Received By:
Randall Young	9/18/08	1300	[illegible]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Analysis Request

Other

Comments

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809572 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **09/18/2008**
Date Printed: **09/19/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0809572-001	Comp #60	Soil	9/17/2008	☐	A	A	A	A	A	A	A					
0809572-002	Comp #61	Soil	9/17/2008	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **9/18/08 6:57:16 PM**

Project Name: **#2007-014**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0809572** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
55 New Montgomery St, Ste 507		Date Received: 09/18/08
	Client Contact: Randall Young	Date Extracted: 09/19/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/26/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0809572

Lab ID	0809572-001A	0809572-002A			Reporting Limit for DF =1	
Client ID	Comp #60	Comp #61				
Matrix	S	S				
DF	20	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND<0.50	ND			0.025	NA
Aroclor1221	ND<0.50	ND			0.025	NA
Aroclor1232	ND<0.50	ND			0.025	NA
Aroclor1242	ND<0.50	ND			0.025	NA
Aroclor1248	ND<0.50	ND			0.025	NA
Aroclor1254	ND<0.50	ND			0.025	NA
Aroclor1260	ND<0.50	ND			0.025	NA
PCBs, total	ND<0.50	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	73	71				
Comments	a1					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

a1) sample diluted due to matrix interference

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
		Date Received: 09/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 09/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/22/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809572

Lab ID	0809572-001A						
Client ID	Comp #60						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.084	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	98
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
		Date Received: 09/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 09/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/19/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809572

Lab ID	0809572-002A						
Client ID	Comp #61						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	89	%SS2:	99
%SS3:	119		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
55 New Montgomery St, Ste 507		Date Received: 09/18/08
	Client Contact: Randall Young	Date Extracted: 09/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/23/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0809572

Lab ID	0809572-001A	0809572-002A			Reporting Limit for DF =1	
Client ID	Comp #60	Comp #61				
Matrix	S	S				
DF	5	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.025	ND			0.005	NA
Acenaphthylene	ND<0.025	ND			0.005	NA
Anthracene	ND<0.025	ND			0.005	NA
Benzo(a)anthracene	ND<0.025	ND			0.005	NA
Benzo(a)pyrene	ND<0.025	ND			0.005	NA
Benzo(b)fluoranthene	ND<0.025	ND			0.005	NA
Benzo(g,h,i)perylene	ND<0.025	ND			0.005	NA
Benzo(k)fluoranthene	ND<0.025	ND			0.005	NA
Chrysene	ND<0.025	ND			0.005	NA
Dibenzo(a,h)anthracene	ND<0.025	ND			0.005	NA
Fluoranthene	ND<0.025	ND			0.005	NA
Fluorene	ND<0.025	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.025	ND			0.005	NA
1-Methylnaphthalene	ND<0.025	ND			0.005	NA
2-Methylnaphthalene	ND<0.025	ND			0.005	NA
Naphthalene	ND<0.025	ND			0.005	NA
Phenanthrene	ND<0.025	ND			0.005	NA
Pyrene	ND<0.025	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	106	86				
%SS2	88	77				
Comments	a3					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
		Date Received 09/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted 09/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/20/08-09/22/08

CAM / CCR 17 Metals*

Lab ID	0809572-001A	0809572-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Comp #60	Comp #61				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0809572

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	2.3	1.8			0.5	NA
Barium	50	42			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	44	47			0.5	NA
Cobalt	5.5	4.3			0.5	NA
Copper	13	13			0.5	NA
Lead	7.2	12			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	0.70	ND			0.5	NA
Nickel	22	25			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	31	25			0.5	NA
Zinc	57	17			5.0	NA
%SS:	95	94				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
55 New Montgomery St, Ste 507		Date Received: 09/18/08
	Client Contact: Randall Young	Date Extracted: 09/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 09/19/08-09/22/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0809572

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Comp #60	S	51,d7	ND	ND	ND	ND	ND	1	77
002A	Comp #61	S	15,d7	ND<0.17	ND<0.017	ND<0.017	ND<0.017	ND<0.017	3.3	108

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014	Date Sampled: 09/17/08
		Date Received: 09/18/08
55 New Montgomery St, Ste 507	Client Contact: Randall Young	Date Extracted: 09/18/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 09/22/08-09/24/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0809572

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0809572-001A	Comp #60	S	1000,e8	100	20	106
0809572-002A	Comp #61	S	22,e7,e8	34	1	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38329 WorkOrder 0809572

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0809535-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	117	114	3.12	90.1	92.1	2.12	70 - 130	20	70 - 130	20
%SS:	87	0.050	92	92	1.44	94	94	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38329 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809572-001A	09/17/08	09/19/08	09/26/08 9:46 PM	0809572-002A	09/17/08	09/19/08	09/26/08 9:46 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38291 WorkOrder 0809572

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809551-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	108	92	15.8	100	104	3.66	60 - 130	30	60 - 130	30
Benzene	ND	0.050	111	94	16.8	111	109	2.03	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	115	104	10.3	109	122	10.5	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	111	91	20.0	120	123	2.75	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	100	81.8	20.3	103	107	3.59	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	116	98.8	16.3	108	107	0.847	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	86.4	74.1	15.4	80.7	77.3	4.28	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	106	89.2	17.3	112	113	0.363	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	126	108	15.2	112	114	1.68	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	105	90.7	14.9	93.4	95.1	1.77	60 - 130	30	60 - 130	30
Toluene	ND	0.050	116	94.6	20.5	114	113	0.468	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	110	95.8	14.1	110	107	2.59	60 - 130	30	60 - 130	30
%SS1:	89	0.12	84	85	0.949	94	93	1.44	70 - 130	30	70 - 130	30
%SS2:	101	0.12	101	98	2.09	109	108	0.217	70 - 130	30	70 - 130	30
%SS3:	112	0.012	106	99	6.45	95	93	1.42	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38291 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809572-001A	09/17/08	09/18/08	09/22/08 10:43 PM	0809572-002A	09/17/08	09/18/08	09/19/08 2:30 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38319 WorkOrder 0809572

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0809535-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	72	69.1	4.06	88.5	87.4	1.19	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	66.4	63.9	3.83	80.8	80.3	0.658	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	79.5	77.1	3.01	92.4	91.8	0.582	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	71.3	69.1	3.24	83.6	82.6	1.18	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	63.8	60.1	6.03	78.9	78.5	0.587	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	72.9	69	5.44	89.4	87.7	1.96	30 - 130	30	30 - 130	30
%SS1:	83	0.050	83	81	2.05	92	92	0	30 - 130	30	30 - 130	30
%SS2:	75	0.050	75	72	4.64	86	86	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38319 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809572-001A	09/17/08	09/18/08	09/23/08 10:01 PM	0809572-002A	09/17/08	09/18/08	09/23/08 8:39 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0809572

EPA Method 6020A **Extraction SW3050B** **BatchID: 38307** **Spiked Sample ID 0809524-010A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	3.5	50	107	107	0	10	105	105	0	70 - 130	20	80 - 120	20
Arsenic	7.0	50	101	103	2.52	10	99.9	104	4.19	70 - 130	20	80 - 120	20
Barium	170	500	105	108	2.29	100	99.5	99	0.464	70 - 130	20	80 - 120	20
Beryllium	0.74	50	99.6	103	3.12	10	106	108	1.59	70 - 130	20	80 - 120	20
Cadmium	0.55	50	101	101	0	10	104	102	1.26	70 - 130	20	80 - 120	20
Chromium	46	50	95	104	4.83	10	104	103	1.06	70 - 130	20	80 - 120	20
Cobalt	11	50	97.7	101	2.38	10	109	108	0.276	70 - 130	20	80 - 120	20
Copper	44	50	97.1	105	4.20	10	102	104	1.36	70 - 130	20	80 - 120	20
Lead	150	50	99.2	103	1.06	10	104	104	0	70 - 130	20	80 - 120	20
Mercury	0.52	1.25	105	107	1.52	0.25	98.4	103	3.90	70 - 130	20	80 - 120	20
Molybdenum	0.93	50	101	98.3	2.37	10	100	100	0	70 - 130	20	80 - 120	20
Nickel	59	50	101	110	3.76	10	84.1	84.2	0.119	70 - 130	20	80 - 120	20
Selenium	ND	50	95.7	104	8.70	10	102	99.8	2.36	70 - 130	20	80 - 120	20
Silver	ND	50	100	107	6.66	10	103	102	0.683	70 - 130	20	80 - 120	20
Thallium	ND	50	95.5	96.8	1.37	10	92.7	93.6	1.02	70 - 130	20	80 - 120	20
Vanadium	37	50	96.1	104	4.63	10	103	103	0	70 - 130	20	80 - 120	20
Zinc	250	500	105	105	0	100	102	102	0	70 - 130	20	80 - 120	20
%SS:	97	250	100	106	6.12	250	100	100	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38307 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809572-001A	09/17/08	09/18/08	09/20/08 3:52 AM	0809572-001A	09/17/08	09/18/08	09/22/08 6:37 PM
0809572-002A	09/17/08	09/18/08	09/20/08 4:01 AM	0809572-002A	09/17/08	09/18/08	09/22/08 6:45 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38346 WorkOrder 0809572

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809635-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	96.3	100	3.92	98.7	109	9.70	70 - 130	20	70 - 130	20
MTBE	ND	0.10	99	98.3	0.688	113	115	2.18	70 - 130	20	70 - 130	20
Benzene	ND	0.10	92.6	94.2	1.68	102	99.5	2.23	70 - 130	20	70 - 130	20
Toluene	ND	0.10	81.5	84.3	3.25	89.7	89.9	0.317	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	91.1	99.7	9.03	101	101	0	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	94	96.2	2.33	97.5	96.1	1.48	70 - 130	20	70 - 130	20
%SS:	91	0.10	88	95	7.38	90	91	0.836	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38346 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809572-001A	09/17/08	09/18/08	09/19/08 12:54 PM	0809572-002A	09/17/08	09/18/08	09/22/08 6:20 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38266 WorkOrder 0809572

EPA Method SW8015C **Extraction SW3550C/3630C** **Spiked Sample ID: 0809465-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	500	20	NR	NR	NR	100	101	0.993	70 - 130	30	70 - 130	30
%SS:	105	50	89	104	16.2	117	118	1.17	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38266 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809572-001A	09/17/08	09/18/08	09/24/08 8:36 PM	0809572-002A	09/17/08	09/18/08	09/22/08 11:15 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled:	10/09/08
55 New Montgomery St, Ste 722		Date Received:	10/10/08
San Francisco, CA 94105	Client Contact: Randy Young	Date Reported:	10/16/08
	Client P.O.:	Date Completed:	10/16/08

WorkOrder: 0810254

October 16, 2008

Dear Randy:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **# 2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0810254

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

Others:

TURN AROUND TIME ☐ 24 HOURS ☐ 48 HOUR ☒ ~~24 HOURS~~ 5 Day Normal

LABORATORY: McCampbell

Date: 10/9/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. Collantes Project No.: 2007-014

Sampler: Signature: J. Collantes Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-612	Doyle Drive	10/9/08	17:25	1	SS				X		X											
AEW-613			17:30	1	SS				X		X											
AEW-614			17:35	1	SS				X		X											
AEW-616			17:40	1	SS				X		X											
AEW-617			17:45	1	SS				X		X											
AEW-618			17:45	1	SS				X		X											
AEW-619			18:15	1	SS				X		X											
AEW-620			18:20	1	SS				X		X											
AEW-621			18:25	1	SS				X		X											
AEW-622	Doyle Drive	10/9/08	18:30	1	SS				X		X											

Composite 62

Relinquished By:	Date:	Time:	Received By:
J. Collantes	10/10/08	12:20	Randy Young
Randy Young	10/10/08	1240	K. Burke

Remarks:

ICE / t° 32

GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓

HEAD SPACE ABSENT ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION	VOAS	O & G	METALS	OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810254 **ClientCode: AEW**

☐ WriteOn ☑ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randy Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: # 2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **10/10/2008**
Date Printed: **10/10/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0810254-001	Composite 62	Soil	10/9/2008 17:25	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PREDF REPORT	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **10/10/2008 4:25:59 PM**

Project Name: **# 2007-014; Doyle Drive**

Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0810254** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 10/09/08
		Date Received: 10/10/08
	Client Contact: Randy Young	Date Extracted: 10/10/08
	Client P.O.:	Date Analyzed 10/13/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0810254

Lab ID	0810254-001A				Reporting Limit for DF =1	
Client ID	Composite 62					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	115					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 10/09/08
		Date Received: 10/10/08
55 New Montgomery St, Ste 722	Client Contact: Randy Young	Date Extracted: 10/10/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/13/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810254

Lab ID	0810254-001A						
Client ID	Composite 62						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	82	%SS2:	95
%SS3:	101		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 10/09/08
55 New Montgomery St, Ste 722		Date Received: 10/10/08
	Client Contact: Randy Young	Date Extracted: 10/10/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/11/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0810254

Lab ID	0810254-001A				Reporting Limit for DF =1	
Client ID	Composite 62					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	82					
%SS2	72					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AR Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 10/09/08
55 New Montgomery St, Ste 722		Date Received 10/10/08
	Client Contact: Randy Young	Date Extracted 10/10/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/13/08

CAM / CCR 17 Metals*

Lab ID	0810254-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 62					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0810254

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	1.2				0.5	NA
Barium	27				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	21				0.5	NA
Cobalt	2.9				0.5	NA
Copper	3.9				0.5	NA
Lead	3.4				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	14				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	16				0.5	NA
Zinc	13				5.0	NA
%SS:	107					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 10/09/08
55 New Montgomery St, Ste 722		Date Received: 10/10/08
	Client Contact: Randy Young	Date Extracted: 10/10/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/11/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0810254

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 62	S	20,d7	ND	ND	ND	ND	ND	1	93

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: # 2007-014; Doyle Drive	Date Sampled: 10/09/08
55 New Montgomery St, Ste 722		Date Received: 10/10/08
	Client Contact: Randy Young	Date Extracted: 10/10/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 10/13/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0810254

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0810254-001A	Composite 62	S	53,e8,e7	9.1	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38711 WorkOrder 0810254

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0810202-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	30	80.9	81.4	0.653	78	79	1.27	70 - 130	20	70 - 130	20
%SS:	93	20	120	122	1.51	116	117	0.976	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38711 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810254-001A	10/09/08 5:25 PM	10/10/08	10/13/08 11:44 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38693 WorkOrder 0810254

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0810088-035A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<1.0	0.10	NR	NR	NR	99.9	99.9	0	30 - 130	30	30 - 130	30
Chrysene	ND<1.0	0.10	NR	NR	NR	96.3	96.1	0.189	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<1.0	0.10	NR	NR	NR	106	106	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<1.0	0.10	NR	NR	NR	96.5	96	0.541	30 - 130	30	30 - 130	30
Phenanthrene	ND<1.0	0.10	NR	NR	NR	94.3	93.8	0.484	30 - 130	30	30 - 130	30
Pyrene	ND<1.0	0.10	NR	NR	NR	110	109	0.951	30 - 130	30	30 - 130	30
%SS1:	129	0.050	126	125	0.863	104	104	0	30 - 130	30	30 - 130	30
%SS2:	116	0.050	112	114	1.26	101	101	0	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38693 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810254-001A	10/09/08 5:25 PM	10/10/08	10/11/08 10:48 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38695 WorkOrder 0810254

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0810092-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	94.3	94.9	0.685	96.8	95.3	1.56	70 - 130	30	70 - 130	30
%SS:	102	50	107	108	0.891	108	106	1.28	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38695 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810254-001A	10/09/08 5:25 PM	10/10/08	10/13/08 8:10 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38776 WorkOrder 0810254

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810191-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	102	99.5	2.17	96.7	100	3.78	60 - 130	30	60 - 130	30
Benzene	ND	0.050	114	113	1.36	109	111	1.73	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	89.3	84.6	5.38	81.6	81.6	0	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	105	105	0	100	104	3.64	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	113	113	0	109	111	1.86	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	109	109	0	104	107	3.23	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	92.2	89.6	2.91	85.6	88.2	2.99	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	106	103	2.26	99.7	102	1.97	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	107	104	3.01	101	102	1.75	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	92.9	88.6	4.82	87.7	88.9	1.37	60 - 130	30	60 - 130	30
Toluene	ND	0.050	117	116	0.574	112	115	2.72	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	112	115	2.41	110	113	3.06	60 - 130	30	60 - 130	30
%SS1:	81	0.12	84	82	2.51	82	81	0.915	70 - 130	30	70 - 130	30
%SS2:	101	0.12	98	98	0	98	98	0	70 - 130	30	70 - 130	30
%SS3:	112	0.012	94	97	2.90	93	95	2.25	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38776 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810254-001A	10/09/08 5:25 PM	10/10/08	10/13/08 11:58 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38794 WorkOrder 0810254

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810206-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	109	6.04	98.4	87.7	11.5	70 - 130	20	70 - 130	20
MTBE	ND	0.10	78.5	82.5	4.92	113	102	10.0	70 - 130	20	70 - 130	20
Benzene	ND	0.10	93.1	94.7	1.73	89	101	12.8	70 - 130	20	70 - 130	20
Toluene	ND	0.10	86.6	87.3	0.812	97.7	111	13.1	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	91.2	92.5	1.47	96.7	109	12.2	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	87.9	89.1	1.39	99.7	116	15.0	70 - 130	20	70 - 130	20
%SS:	87	0.10	86	92	7.06	93	106	13.2	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38794 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810254-001A	10/09/08 5:25 PM	10/10/08	10/11/08 7:29 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0810254

EPA Method 6020A **Extraction SW3050B** **BatchID: 38802** **Spiked Sample ID 0810221-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	101	102	0.786	10	103	103	0	70 - 130	20	80 - 120	20
Arsenic	4.8	50	103	103	0	10	105	105	0	70 - 130	20	80 - 120	20
Barium	150	500	103	106	2.02	100	104	103	0.579	70 - 130	20	80 - 120	20
Beryllium	ND	50	97.2	98.6	1.42	10	107	108	0.0931	70 - 130	20	80 - 120	20
Cadmium	ND	50	99.7	100	0.380	10	104	104	0	70 - 130	20	80 - 120	20
Chromium	25	50	98.4	99.9	1.02	10	111	109	1.64	70 - 130	20	80 - 120	20
Cobalt	8.5	50	99.5	101	0.854	10	105	105	0	70 - 130	20	80 - 120	20
Copper	25	50	100	101	0.797	10	108	106	1.41	70 - 130	20	80 - 120	20
Lead	4.8	50	98.7	99.5	0.755	10	106	105	1.04	70 - 130	20	80 - 120	20
Mercury	0.20	1.25	98.2	99.4	1.05	0.25	105	102	3.15	70 - 130	20	80 - 120	20
Molybdenum	1.8	50	100	101	0.634	10	104	103	1.16	70 - 130	20	80 - 120	20
Nickel	42	50	101	103	1.02	10	108	108	0	70 - 130	20	80 - 120	20
Selenium	ND	50	106	99.7	6.13	10	108	107	0.560	70 - 130	20	80 - 120	20
Silver	ND	50	100	100	0	10	106	106	0	70 - 130	20	80 - 120	20
Thallium	ND	50	102	103	0.736	10	98.3	98.6	0.295	70 - 130	20	80 - 120	20
Vanadium	52	50	99.5	103	1.56	10	110	109	0.732	70 - 130	20	80 - 120	20
Zinc	49	500	102	103	0.463	100	103	103	0	70 - 130	20	80 - 120	20
%SS:	106	250	106	109	3.65	250	106	106	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38802 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810254-001A	10/09/08 5:25 PM	10/10/08	10/13/08 8:25 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	10/17/08
		Date Received:	10/17/08
	Client Contact: Randall Young	Date Reported:	10/28/08
	Client P.O.:	Date Completed:	10/28/08

WorkOrder: 0810447

October 28, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

081044B

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 10/17/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-623	Doyle Drive	10/17/09	10:45	1	SS				X		X									X		
AEW-624			10:50	1	SS				X		X											
AEW-625			10:55	1	SS				X		X											
AEW-626			11:00	1	SS				X		X											
AEW-627			11:05	1	SS				X		X									Composite 63		
AEW-628			11:10	1	SS				X		X											
AEW-629			11:15	1	SS				X		X											
AEW-630			11:20	1	SS				X		X											
AEW-631			11:25	1	SS				X		X											
AEW-632	Doyle Drive	10/17/09	11:30	1	SS				X		X											

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	10/17/09	13:00	
	10/17/09	13:00	

Remarks:

ICE / t° 5.2 ✓
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ___ PRESERVED IN LAB ___
DECHLORINATED IN LAB ___
VOAS | O & G | METALS | OTHER
PRESERVATION

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal ☐ Others:

LABORATORY: McCampbell

Date: 10/17/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. [illegible] Project No.: 2007-014

Sampler: Signature: [illegible] Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☑ No ☐

PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-633	Doyle Drive	10/17/08	11:40	1	SS				X		X											
AEW-634			11:45	1	SS				X		X											
AEW-635			11:50	1	SS				X		X											
AEW-636			11:55	1	SS				X		X											
AEW-637			12:00	1	SS				X		X											
AEW-638			12:05	1	SS				X		X											
AEW-639			12:10	1	SS				X		X											
AEW-640			12:15	1	SS				X		X											
AEW-641			12:20	1	SS				X		X											
AEW-642	Doyle Drive	10/17/08	12:25	1	SS				X		X											

Composite 64

Relinquished By:	Date:	Time:	Received By:
[illegible]	10/17/08	13:00	[illegible]
Relinquished By:	Date:	Time:	Received By:
[illegible]	10/17/08	1400	[illegible]

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810447 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **10/17/2008**
Date Printed: **10/17/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0810447-001	Composite 63	Sludge	10/17/2008 10:45	☐	A	A	A	A	A	A	A					
0810447-002	Composite 64	Sludge	10/17/2008 11:40	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_Sludge	2	8260B_Sludge	3	8270D-PNA_SL	4	CAM17MS_Sludge	5	G-MBTEX_Sludge
6	PRCOMPOSITING	7	TPH(DMO)WSG_Sludge	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **10/17/08 7:04:33 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0810447** Matrix Sludge

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
		Date Received: 10/17/08
	Client Contact: Randall Young	Date Extracted: 10/17/08
	Client P.O.:	Date Analyzed 10/18/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0810447

Lab ID	0810447-001A	0810447-002A			Reporting Limit for DF =1	
Client ID	Composite 63	Composite 64				
Matrix	Sludge	Sludge				
DF	1	1			Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	90	90				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
		Date Received: 10/17/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 10/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/17/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810447

Lab ID	0810447-001A
Client ID	Composite 63
Matrix	Sludge

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	82	%SS2:	96
%SS3:	116		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
		Date Received: 10/17/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 10/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/17/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810447

Lab ID	0810447-002A
Client ID	Composite 64
Matrix	Sludge

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	78	%SS2:	97
%SS3:	119		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
55 New Montgomery St, Ste 722		Date Received: 10/17/08
	Client Contact: Randall Young	Date Extracted: 10/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/27/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0810447

Lab ID	0810447-001A	0810447-002A			Reporting Limit for DF =1	
Client ID	Composite 63	Composite 64				
Matrix	Sludge	Sludge				
DF	2	5			Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.010	ND<0.025			0.005	NA
Acenaphthylene	ND<0.010	ND<0.025			0.005	NA
Anthracene	ND<0.010	ND<0.025			0.005	NA
Benz(a)anthracene	ND<0.010	ND<0.025			0.005	NA
Benzo(a)pyrene	ND<0.010	ND<0.025			0.005	NA
Benzo(b)fluoranthene	ND<0.010	ND<0.025			0.005	NA
Benzo(g,h,i)perylene	ND<0.010	ND<0.025			0.005	NA
Benzo(k)fluoranthene	ND<0.010	ND<0.025			0.005	NA
Chrysene	ND<0.010	ND<0.025			0.005	NA
Dibenzo(a,h)anthracene	ND<0.010	ND<0.025			0.005	NA
Fluoranthene	ND<0.010	ND<0.025			0.005	NA
Fluorene	ND<0.010	ND<0.025			0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.010	ND<0.025			0.005	NA
1-Methylnaphthalene	ND<0.010	ND<0.025			0.005	NA
2-Methylnaphthalene	ND<0.010	ND<0.025			0.005	NA
Naphthalene	ND<0.010	ND<0.025			0.005	NA
Phenanthrene	ND<0.010	ND<0.025			0.005	NA
Pyrene	ND<0.010	ND<0.025			0.005	NA
Surrogate Recoveries (%)						
%SS1	55	55				
%SS2	44	44				
Comments	a3	a3				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
55 New Montgomery St, Ste 722		Date Received 10/17/08
	Client Contact: Randall Young	Date Extracted 10/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/20/08

CAM / CCR 17 Metals*

Lab ID	0810447-001A	0810447-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 63	Composite 64				
Matrix	Sludge	Sludge			Sludge	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0810447

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	1.5	2.2			0.5	NA
Barium	41	51			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	44	35			0.5	NA
Cobalt	4.3	4.7			0.5	NA
Copper	7.0	14			0.5	NA
Lead	2.8	3.0			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	0.53	ND			0.5	NA
Nickel	24	23			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	28	26			0.5	NA
Zinc	19	23			5.0	NA
%SS:	103	99				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
55 New Montgomery St, Ste 722		Date Received: 10/17/08
	Client Contact: Randall Young	Date Extracted: 10/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 10/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0810447

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 63	Sludge	6.7,d7	ND	ND	ND	ND	ND	1	102
002A	Composite 64	Sludge	85,d7	ND	ND	ND	ND	ND	1	92

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	Sludge	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 10/17/08
55 New Montgomery St, Ste 722		Date Received: 10/17/08
	Client Contact: Randall Young	Date Extracted: 10/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 10/23/08-10/24/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0810447

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0810447-001A	Composite 63	Sludge	7.5,e7,e8/e4	18	1	119
0810447-002A	Composite 64	Sludge	660,e8	13	1	107

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	Sludge	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range; and/or e4) gasoline range compounds are significant.

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 38865 WorkOrder: 0810447

EPA Method: SW8082 **Extraction: SW3550C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0.075	N/A	N/A	N/A	111	112	1.18	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	109	108	1.19	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38865 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810447-001A	10/17/08 10:45 AM	10/17/08	10/18/08 5:00 PM	0810447-002A	10/17/08 11:40 AM	10/17/08	10/18/08 5:57 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 38951 WorkOrder 0810447

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810407-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	110	105	5.32	88	102	14.7	70 - 130	20	70 - 130	20
MTBE	ND	0.10	94.7	94.1	0.606	80.9	91.2	12.1	70 - 130	20	70 - 130	20
Benzene	ND	0.10	88.9	88.7	0.252	101	95.6	5.02	70 - 130	20	70 - 130	20
Toluene	ND	0.10	81.7	80.9	1.03	90.8	85.3	6.30	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	92.3	91.2	1.16	103	95.7	7.47	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	88.4	86.6	2.00	97.1	92.7	4.71	70 - 130	20	70 - 130	20
%SS:	94	0.10	86	73	16.6	96	82	14.8	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38951 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810447-001A	10/17/08 10:45 AM	10/17/08	10/21/08 1:02 AM	0810447-002A	10/17/08 11:40 AM	10/17/08	10/21/08 1:36 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 38952 WorkOrder 0810447

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0810421-013A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	103	107	3.47	94.9	96.4	1.58	70 - 130	30	70 - 130	30
%SS:	105	50	119	119	0	111	112	1.45	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38952 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810447-001A	10/17/08 10:45 AM	10/17/08	10/23/08 7:57 AM	0810447-002A	10/17/08 11:40 AM	10/17/08	10/24/08 2:15 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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_____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 38976 WorkOrder 0810447

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810440-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	76.9	80.1	4.07	82.8	93	11.6	60 - 130	30	60 - 130	30
Benzene	ND	0.050	91.6	95.7	4.43	94	111	16.2	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	74.8	79.4	5.94	86.5	98.3	12.8	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	87.1	88.8	1.90	92.6	105	12.8	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	84	86.5	2.94	91.7	105	13.5	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	93.7	89.5	4.62	98.5	110	10.9	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	78.6	81.5	3.61	79.9	94.1	16.4	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	82.3	84.7	2.82	86.9	99.2	13.2	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	89.5	93.3	4.13	96.3	109	12.7	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	73.8	77.9	5.31	81.3	92.7	13.0	60 - 130	30	60 - 130	30
Toluene	ND	0.050	102	104	1.58	106	125	16.5	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	96.9	101	3.93	101	117	15.3	60 - 130	30	60 - 130	30
%SS1:	83	0.12	82	83	1.33	82	83	0.784	70 - 130	30	70 - 130	30
%SS2:	93	0.12	86	86	0	87	87	0	70 - 130	30	70 - 130	30
%SS3:	93	0.012	91	89	1.71	89	92	2.91	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38976 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810447-001A	10/17/08 10:45 AM	10/17/08	10/17/08 9:35 PM	0810447-002A	10/17/08 11:40 AM	10/17/08	10/17/08 10:18 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 38838 WorkOrder 0810447

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0810274-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.010	0.10	70.7	78.4	10.4	69	69.6	0.861	30 - 130	30	30 - 130	30
Chrysene	ND<0.010	0.10	91.8	96	4.47	74.4	75.6	1.67	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.010	0.10	83.3	82.8	0.677	61	60.3	1.18	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.010	0.10	60.4	60.6	0.371	52.2	51.5	1.36	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.010	0.10	76.6	76.5	0.242	57.9	58.4	0.912	30 - 130	30	30 - 130	30
Pyrene	ND<0.010	0.10	60.6	62.9	3.77	63.4	65	2.46	30 - 130	30	30 - 130	30
%SS1:	88	0.050	94	95	1.57	88	90	1.26	30 - 130	30	30 - 130	30
%SS2:	77	0.050	84	86	2.64	81	83	1.90	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38838 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810447-001A	10/17/08 10:45 AM	10/17/08	10/27/08 6:19 PM	0810447-002A	10/17/08 11:40 AM	10/17/08	10/27/08 7:37 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder 0810447

EPA Method 6020A **Extraction SW3050B** **BatchID: 38971** **Spiked Sample ID 0810431-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.57	50	104	103	1.14	10	96.1	96.1	0	70 - 130	20	80 - 120	20
Arsenic	5.3	50	111	108	2.32	10	104	101	2.44	70 - 130	20	80 - 120	20
Barium	180	500	110	107	2.03	100	102	102	0	70 - 130	20	80 - 120	20
Beryllium	ND	50	103	101	2.53	10	98.8	100	1.15	70 - 130	20	80 - 120	20
Cadmium	0.29	50	108	106	1.45	10	100	99.4	0.622	70 - 130	20	80 - 120	20
Chromium	37	50	101	99.7	0.551	10	101	99.1	1.52	70 - 130	20	80 - 120	20
Cobalt	11	50	106	105	1.23	10	100	101	0.598	70 - 130	20	80 - 120	20
Copper	30	50	108	104	2.29	10	107	105	2.28	70 - 130	20	80 - 120	20
Lead	22	50	108	106	1.62	10	103	101	2.35	70 - 130	20	80 - 120	20
Mercury	0.16	1.25	109	109	0	0.25	111	108	2.27	70 - 130	20	80 - 120	20
Molybdenum	0.73	50	108	105	2.46	10	99.6	99.7	0.110	70 - 130	20	80 - 120	20
Nickel	50	50	110	105	2.31	10	106	104	1.71	70 - 130	20	80 - 120	20
Selenium	ND	50	112	107	4.09	10	103	102	0.391	70 - 130	20	80 - 120	20
Silver	ND	50	113	111	2.11	10	107	107	0	70 - 130	20	80 - 120	20
Thallium	ND	50	110	108	1.78	10	101	97.8	3.32	70 - 130	20	80 - 120	20
Vanadium	55	50	103	102	0.377	10	101	99.4	1.70	70 - 130	20	80 - 120	20
Zinc	120	500	112	111	0.559	100	101	100	0.598	70 - 130	20	80 - 120	20
%SS:	104	250	102	100	2.73	250	98.9	98.4	0.527	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38971 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810447-001A	10/17/08 10:45 AM	10/17/08	10/20/08 7:00 PM	0810447-002A	10/17/08 11:40 AM	10/17/08	10/20/08 7:08 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
		Date Received: 11/03/08
	Client Contact: Randall Young	Date Reported: 11/11/08
	Client P.O.:	Date Completed: 11/07/08

WorkOrder: 0811057

November 11, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811057

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY:	24 HOURS	48 HOUR	24 HOURS	Normal
McCampbell				

Date: 11/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaMante Project No.: 2007-014
Sampler: Signature: J. LaMante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-643	Doyle Drive	11/3/08	11:15	1	SS				X		X											
AEW-644			11:20	1	SS				X		X											
AEW-645			11:25	1	SS				X		X											
AEW-646			11:30	1	SS				X		X											
AEW-647			11:35	1	SS				X		X											
AEW-648			11:40	1	SS				X		X											
AEW-649			11:45	1	SS				X		X											
AEW-650			11:50	1	SS				X		X											
AEW-655			11:55	1	SS				X		X											
AEW-656	Doyle Drive	11/3/08	12:00	1	SS				X		X											

Composite 65

Relinquished By:	Date:	Time:	Received By:
J. LaMante	11/3/08	13:25	
	11/3/08	15:00	

Remarks:

ICE / t° 6.8
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 11/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-657	Doyle Drive	11/3/08	12:05	1	SS				X		X											
AEW-658			12:10	1	SS				X		X											
AEW-661			12:15	1	SS				X		X											
AEW-662			12:20	1	SS				X		X											
AEW-663			12:25	1	SS				X		X											
AEW-664			12:30	1	SS				X		X											
AEW-665			12:35	1	SS				X		X											
AEW-666			12:40	1	SS				X		X											
AEW-667			12:45	1	SS				X		X											
AEW-668	Doyle Drive	11/3/08	12:50	1	SS				X		X											

Analysis Request: Composite 66

Other | Comments

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	11/3/08	13:25	
Relinquished By:	Date: 11/3/08	Time: 1600	Received By:

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811057 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **11/03/2008**
Date Printed: **11/03/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811057-001	Composite 65	Sludge	11/3/2008 11:15	☐	A	A	A	A	A	A	A					
0811057-002	Composite 66	Sludge	11/3/2008 12:05	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_Sludge	2	8260B_Sludge	3	8270D-PNA_SL	4	CAM17MS_Sludge	5	G-MBTEX_Sludge
6	PRCOMPOSITING	7	TPH(DMO)WSG_Sludge	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
		Date Received: 11/03/08
	Client Contact: Randall Young	Date Extracted: 11/03/08
	Client P.O.:	Date Analyzed 11/06/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811057

Lab ID	0811057-001A	0811057-002A			Reporting Limit for DF =1	
Client ID	Composite 65	Composite 66				
Matrix	Sludge	Sludge				
DF	1	1			Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	122	122				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
		Date Received: 11/03/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811057

Lab ID	0811057-001A						
Client ID	Composite 65						
Matrix	Sludge						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.085	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	96	%SS2:	91
%SS3:	92		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
55 New Montgomery St, Ste 722		Date Received: 11/03/08
	Client Contact: Randall Young	Date Extracted: 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811057

Lab ID	0811057-002A						
Client ID	Composite 66						
Matrix	Sludge						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.070	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	97	%SS2:	91
%SS3:	94		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
55 New Montgomery St, Ste 722		Date Received: 11/03/08
	Client Contact: Randall Young	Date Extracted: 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/05/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811057

Lab ID	0811057-001A	0811057-002A			Reporting Limit for DF =1	
Client ID	Composite 65	Composite 66				
Matrix	Sludge	Sludge				
DF	1	1			Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND			0.005	NA
Acenaphthylene	ND	ND			0.005	NA
Anthracene	ND	ND			0.005	NA
Benz(a)anthracene	ND	ND			0.005	NA
Benzo(a)pyrene	ND	ND			0.005	NA
Benzo(b)fluoranthene	ND	ND			0.005	NA
Benzo(g,h,i)perylene	ND	ND			0.005	NA
Benzo(k)fluoranthene	ND	ND			0.005	NA
Chrysene	ND	ND			0.005	NA
Dibenzo(a,h)anthracene	ND	ND			0.005	NA
Fluoranthene	ND	ND			0.005	NA
Fluorene	ND	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND			0.005	NA
1-Methylnaphthalene	ND	ND			0.005	NA
2-Methylnaphthalene	ND	ND			0.005	NA
Naphthalene	ND	ND			0.005	NA
Phenanthrene	ND	ND			0.005	NA
Pyrene	ND	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	46	38				
%SS2	68	62				
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
55 New Montgomery St, Ste 722		Date Received 11/03/08
	Client Contact: Randall Young	Date Extracted 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/05/08-11/08/08

CAM / CCR 17 Metals*

Lab ID	0811057-001A	0811057-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 65	Composite 66				
Matrix	Sludge	Sludge			Sludge	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811057

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	2.4	1.9			0.5	NA
Barium	58	29			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	44	45			0.5	NA
Cobalt	4.3	4.7			0.5	NA
Copper	19	16			0.5	NA
Lead	7.2	26			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	0.70	ND			0.5	NA
Nickel	24	31			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	26	28			0.5	NA
Zinc	23	20			5.0	NA
%SS:	103	115				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
55 New Montgomery St, Ste 722		Date Received: 11/03/08
	Client Contact: Randall Young	Date Extracted: 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811057

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 65	Sludge	51,d7	ND<0.25	ND<0.025	ND<0.025	ND<0.025	ND<0.025	5	93
002A	Composite 66	Sludge	9.7,d7	ND<0.17	ND<0.017	ND<0.017	ND<0.017	ND<0.017	3.3	113

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	Sludge	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/03/08
55 New Montgomery St, Ste 722		Date Received: 11/03/08
	Client Contact: Randall Young	Date Extracted: 11/03/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/06/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811057

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811057-001A	Composite 65	Sludge	370,e8	12	1	101
0811057-002A	Composite 66	Sludge	33,e8,e7	26	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	Sludge	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39292 WorkOrder 0811057

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0810835-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	88.5	90.3	2.00	86.7	86.9	0.244	70 - 130	20	70 - 130	20
%SS:	118	0.050	119	119	0	119	117	1.32	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39292 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811057-001A	11/03/08 11:15 AM	11/03/08	11/06/08 7:57 AM	0811057-002A	11/03/08 12:05 PM	11/03/08	11/06/08 8:53 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39389 WorkOrder 0811057

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0811057-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	93.9	92.2	1.91	73.2	74.4	1.71	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	101	99.8	1.05	66.6	67.4	1.09	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	101	97.7	3.54	95	96.2	1.24	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	92.8	88.4	4.84	91.5	92.7	1.29	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	97.3	95.2	2.26	77.4	78.6	1.49	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	74.9	73.8	1.40	70.7	71.6	1.21	30 - 130	30	30 - 130	30
%SS1:	38	0.050	34	31	8.48	33	33	0	30 - 130	30	30 - 130	30
%SS2:	62	0.050	59	50	15.9	59	60	0.733	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39389 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811057-001A	11/03/08 11:15 AM	11/03/08	11/05/08 4:14 PM	0811057-002A	11/03/08 12:05 PM	11/03/08	11/05/08 5:33 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39391 WorkOrder 0811057

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0811051-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	88.9	95.9	7.62	93.8	89.1	5.15	60 - 130	30	60 - 130	30
Benzene	ND	0.050	94.6	106	10.6	110	109	0.762	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	92.5	94.1	1.73	96.8	89	8.35	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	104	114	8.91	110	108	1.36	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	96	105	8.53	101	96.9	4.48	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	93.3	102	8.53	100	96.3	4.02	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	84.7	96	12.4	95.8	90.6	5.59	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	93.1	102	8.72	99	95.6	3.48	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	110	7.83	108	103	4.71	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	87.1	94.4	8.00	94.7	88.3	6.99	60 - 130	30	60 - 130	30
Toluene	ND	0.050	113	126	10.9	119	118	0.970	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	106	118	11.2	114	112	2.45	60 - 130	30	60 - 130	30
%SS1:	95	0.12	88	89	0.568	90	89	1.00	70 - 130	30	70 - 130	30
%SS2:	89	0.12	84	85	1.20	84	85	0.926	70 - 130	30	70 - 130	30
%SS3:	88	0.012	99	95	4.19	96	95	1.43	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39391 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811057-001A	11/03/08 11:15 AM	11/03/08	11/07/08 12:50 AM	0811057-002A	11/03/08 12:05 PM	11/03/08	11/07/08 1:28 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder 0811057

EPA Method 6020A **Extraction SW3050B** **BatchID: 39375** **Spiked Sample ID 0811029-008A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.75	50	97.7	94.5	3.30	10	90.1	91	1.00	70 - 130	20	80 - 120	20
Arsenic	10	50	105	99.9	4.25	10	94.3	95.5	1.32	70 - 130	20	80 - 120	20
Barium	250	500	107	100	4.36	100	95.4	96.5	1.19	70 - 130	20	80 - 120	20
Beryllium	ND	50	84.9	83.4	1.76	10	84	85.5	1.77	70 - 130	20	80 - 120	20
Cadmium	ND	50	99.5	96	3.52	10	91	92	1.03	70 - 130	20	80 - 120	20
Chromium	45	50	97.6	93.9	2.01	10	99.6	102	2.51	70 - 130	20	80 - 120	20
Cobalt	14	50	96.5	93.8	2.19	10	91.2	92.1	0.993	70 - 130	20	80 - 120	20
Copper	34	50	99.7	93.3	3.95	10	91.4	93.8	2.66	70 - 130	20	80 - 120	20
Lead	9.2	50	101	98.7	1.79	10	91.4	92.5	1.19	70 - 130	20	80 - 120	20
Mercury	ND	1.25	100	97.7	2.75	0.25	98.2	99	0.892	70 - 130	20	80 - 120	20
Molybdenum	ND	50	98.6	96	2.69	10	91.5	92	0.501	70 - 130	20	80 - 120	20
Nickel	37	50	100	93.3	3.99	10	93.9	96.1	2.37	70 - 130	20	80 - 120	20
Selenium	ND	50	104	99.1	5.17	10	95.5	96.5	1.00	70 - 130	20	80 - 120	20
Silver	ND	50	108	105	2.94	10	89.4	89.6	0.235	70 - 130	20	80 - 120	20
Thallium	ND	50	103	101	1.72	10	90.1	90.2	0.189	70 - 130	20	80 - 120	20
Vanadium	81	50	NR	NR	NR	10	99.9	102	2.27	70 - 130	20	80 - 120	20
Zinc	73	500	102	98.6	3.27	100	89.9	91.8	2.04	70 - 130	20	80 - 120	20
%SS:	96	250	97	91	5.91	250	92	91	0.219	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39375 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811057-001A	11/03/08 11:15 AM	11/03/08	11/06/08 6:55 PM	0811057-001A	11/03/08 11:15 AM	11/03/08	11/08/08 7:44 AM
0811057-002A	11/03/08 12:05 PM	11/03/08	11/05/08 7:09 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39345 WorkOrder 0811057

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811023-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	104	108	3.64	94.9	96.8	2.03	70 - 130	20	70 - 130	20
MTBE	ND	0.10	100	108	7.48	108	111	3.16	70 - 130	20	70 - 130	20
Benzene	ND	0.10	99.4	99.3	0.0706	91.5	92	0.549	70 - 130	20	70 - 130	20
Toluene	ND	0.10	88.2	89.1	1.05	100	101	0.385	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	97.8	99.1	1.33	98.5	98.8	0.307	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	93	95.8	2.98	108	107	0.861	70 - 130	20	70 - 130	20
%SS:	92	0.10	99	96	2.86	86	93	8.36	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39345 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811057-001A	11/03/08 11:15 AM	11/03/08	11/06/08 10:36 PM	0811057-002A	11/03/08 12:05 PM	11/03/08	11/06/08 9:47 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39346 WorkOrder 0811057

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0810888-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	84.2	84.3	0.0596	95.1	93	2.18	70 - 130	30	70 - 130	30
%SS:	92	50	112	111	0.442	118	115	2.13	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39346 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811057-001A	11/03/08 11:15 AM	11/03/08	11/06/08 1:34 PM	0811057-002A	11/03/08 12:05 PM	11/03/08	11/06/08 2:45 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	11/03/08-11/04/08
55 New Montgomery St, Ste 722		Date Received:	11/04/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	11/12/08
	Client P.O.:	Date Completed:	11/12/08

WorkOrder: 0811125

November 12, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811125

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS	48 HOUR	24 HOURS	Normal

Date: 11/3/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lafferty Project No.: 2007-014
Sampler: Signature: J. Lafferty Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-669	Doyle Drive	11/3/08	12:55	1	SS				X		X											
AEW-670		11/3/08	13:00	1	SS				X		X											
AEW-671		11/3/08	13:05	1	SS				X		X											
AEW-676		11/4/08	11:15	1	SS				X		X											
AEW-677			11:20	1	SS				X		X											
AEW-678			11:25	1	SS				X		X											
AEW-679			11:30	1	SS				X		X											
AEW-680			11:35	1	SS				X		X											
AEW-681			11:40	1	SS				X		X											
AEW-682			11:45	1	SS				X		X											

Composite 67

Relinquished By:	Date:	Time:	Received By:
J. Lafferty	11/4/08	14:45	
	11/4/08	1530	

Remarks:

ICE / t° 3.4
GOOD CONDITION yes
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS yes
PRESERVED IN LAB ____

PRESERVATION VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS	48 HOUR	24 HOURS	Normal

Date: 11/4/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: Joe LaPlante Project No.: 2007-014

Sampler: Signature: J. LaPlante Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-651	Doyle Drive	11/4/08	10:10	1	SS				X		X											
AEW-652			10:15	1	SS				X		X											
AEW-653			10:20	1	SS				X		X											
AEW-654			10:25	1	SS				X		X											
AEW-659			10:30	1	SS				X		X											
AEW-660			10:35	1	SS				X		X											
AEW-672			10:40	1	SS				X		X											
AEW-673			10:45	1	SS				X		X											
AEW-674			10:50	1	SS				X		X											
AEW675			10:55	1	SS				X		X											

Analysis Request: Composite 69

Other

Comments

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	11/4/08	14:45	
	11/4/08	15:50	R. [illegible]

Remarks:

ICE / t° 3.4

GOOD CONDITION yes APPROPRIATE yes

HEAD SPACE ABSENT ____ CONTAINERS ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811125 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **11/04/2008**
Date Printed: **11/05/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811125-001	Composite 67	Soil	11/3/2008	☐	A	A	A	A	A	A	A					
0811125-002	Composite 68	Soil	11/4/2008 10:10	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Rosa Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **11/4/08 8:03:55 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Rosa Venegas

WorkOrder N°: **0811125** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/03/08-11/04/08
55 New Montgomery St, Ste 722		Date Received: 11/04/08
	Client Contact: Randall Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08-11/07/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811125

Lab ID	0811125-001A	0811125-002A			Reporting Limit for DF =1	
Client ID	Composite 67	Composite 68				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	114	99				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/03/08
		Date Received: 11/04/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811125

Lab ID	0811125-001A						
Client ID	Composite 67						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	98	%SS2:	90
%SS3:	85		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/04/08
		Date Received: 11/04/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/07/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811125

Lab ID	0811125-002A						
Client ID	Composite 68						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	100	%SS2:	90
%SS3:	88		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/03/08-11/04/08
55 New Montgomery St, Ste 722		Date Received: 11/04/08
	Client Contact: Randall Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811125

Lab ID	0811125-001A	0811125-002A			Reporting Limit for DF =1	
Client ID	Composite 67	Composite 68				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND			0.005	NA
Acenaphthylene	ND	ND			0.005	NA
Anthracene	ND	ND			0.005	NA
Benzo(a)anthracene	ND	ND			0.005	NA
Benzo(a)pyrene	ND	ND			0.005	NA
Benzo(b)fluoranthene	ND	ND			0.005	NA
Benzo(g,h,i)perylene	ND	ND			0.005	NA
Benzo(k)fluoranthene	ND	ND			0.005	NA
Chrysene	ND	ND			0.005	NA
Dibenzo(a,h)anthracene	ND	ND			0.005	NA
Fluoranthene	ND	ND			0.005	NA
Fluorene	ND	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND			0.005	NA
1-Methylnaphthalene	ND	ND			0.005	NA
2-Methylnaphthalene	ND	ND			0.005	NA
Naphthalene	ND	ND			0.005	NA
Phenanthrene	ND	ND			0.005	NA
Pyrene	ND	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	32	32				
%SS2	59	53				
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/03/08-11/04/08
55 New Montgomery St, Ste 722		Date Received 11/04/08
	Client Contact: Randall Young	Date Extracted 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/11/08

CAM / CCR 17 Metals*

Lab ID	0811125-001A	0811125-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 67	Composite 68				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811125

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	1.4	2.3			0.5	NA
Barium	34	49			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	32	32			0.5	NA
Cobalt	3.9	4.8			0.5	NA
Copper	21	7.9			0.5	NA
Lead	28	6.7			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	ND	ND			0.5	NA
Nickel	23	26			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	22	27			0.5	NA
Zinc	19	25			5.0	NA
%SS:	119	104				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/03/08-11/04/08
55 New Montgomery St, Ste 722		Date Received: 11/04/08
	Client Contact: Randall Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811125

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 67	S	ND	ND	ND	ND	ND	ND	1	100
002A	Composite 68	S	11,d7	ND	ND	ND	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/03/08-11/04/08
55 New Montgomery St, Ste 722		Date Received: 11/04/08
	Client Contact: Randall Young	Date Extracted: 11/04/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/08/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811125

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811125-001A	Composite 67	S	6.0,e7,e2	20	1	91
0811125-002A	Composite 68	S	47,e8,e7	8.7	1	90

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39292 WorkOrder 0811125

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0810835-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	88.5	90.3	2.00	86.7	86.9	0.244	70 - 130	20	70 - 130	20
%SS:	118	0.050	119	119	0	119	117	1.32	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39292 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811125-001A	11/03/08	11/04/08	11/06/08 11:10 PM	0811125-002A	11/04/08 10:10 AM	11/04/08	11/07/08 12:06 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39435 WorkOrder: 0811125

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 0811181-011A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	81.7	84.5	3.39	92.1	87.9	4.72	60 - 130	30	60 - 130	30
Benzene	ND	0.050	97.6	100	2.63	111	104	6.96	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	85.2	89.1	4.51	101	98.1	3.13	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	102	102	0	107	100	5.96	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	100	101	1.25	99.1	91.8	7.68	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	89.4	92.9	3.91	114	110	3.26	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	74.4	79.2	6.28	100	91.1	9.36	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	86.2	89.7	3.98	103	99	3.76	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	93.1	97.6	4.73	111	108	2.65	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	81.9	86.8	5.85	95.2	91.2	4.31	60 - 130	30	60 - 130	30
Toluene	ND	0.050	117	118	1.06	127	117	8.06	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	105	107	1.95	111	102	8.16	60 - 130	30	60 - 130	30
%SS1:	93	0.12	89	91	1.23	96	96	0	70 - 130	30	70 - 130	30
%SS2:	91	0.12	100	99	0.554	96	96	0	70 - 130	30	70 - 130	30
%SS3:	86	0.012	109	108	0.553	90	85	5.82	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39435 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811125-001A	11/03/08	11/04/08	11/07/08 9:41 PM	0811125-002A	11/04/08 10:10 AM	11/04/08	11/07/08 10:19 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

SLA QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39389 WorkOrder 0811125

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0811057-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	93.9	92.2	1.91	73.2	74.4	1.71	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	101	99.8	1.05	66.6	67.4	1.09	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	101	97.7	3.54	95	96.2	1.24	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	92.8	88.4	4.84	91.5	92.7	1.29	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	97.3	95.2	2.26	77.4	78.6	1.49	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	74.9	73.8	1.40	70.7	71.6	1.21	30 - 130	30	30 - 130	30
%SS1:	38	0.050	34	31	8.48	33	33	0	30 - 130	30	30 - 130	30
%SS2:	62	0.050	59	50	15.9	59	60	0.733	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39389 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811125-001A	11/03/08	11/04/08	11/06/08 12:06 AM	0811125-002A	11/04/08 10:10 AM	11/04/08	11/06/08 1:23 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0811125

EPA Method 6020A **Extraction SW3050B** **BatchID: 39415** **Spiked Sample ID 0811103-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	107	103	4.51	10	90.5	90.8	0.320	70 - 130	20	80 - 120	20
Arsenic	5.8	50	112	106	5.27	10	88.8	87.6	1.28	70 - 130	20	80 - 120	20
Barium	280	500	108	100	4.86	100	88.8	88.2	0.633	70 - 130	20	80 - 120	20
Beryllium	0.58	50	112	109	3.33	10	84.5	86.5	2.26	70 - 130	20	80 - 120	20
Cadmium	0.28	50	109	103	5.10	10	88.4	88.7	0.339	70 - 130	20	80 - 120	20
Chromium	41	50	108	99.9	4.58	10	91.6	91.5	0.0328	70 - 130	20	80 - 120	20
Cobalt	9.7	50	105	100	4.07	10	92	93.5	1.67	70 - 130	20	80 - 120	20
Copper	97	50	NR	NR	NR	10	91	85.3	6.39	70 - 130	20	80 - 120	20
Lead	14	50	103	95.7	5.53	10	86.7	87.3	0.690	70 - 130	20	80 - 120	20
Mercury	0.062	1.25	112	107	4.61	0.25	97	98.2	1.15	70 - 130	20	80 - 120	20
Molybdenum	1.6	50	102	97.2	4.88	10	83	83.6	0.745	70 - 130	20	80 - 120	20
Nickel	28	50	107	96.9	6.34	10	83.4	82.6	0.879	70 - 130	20	80 - 120	20
Selenium	0.59	50	116	111	4.06	10	94	93.6	0.448	70 - 130	20	80 - 120	20
Silver	ND	50	117	113	3.21	10	86.4	87.1	0.738	70 - 130	20	80 - 120	20
Thallium	ND	50	104	98.6	4.91	10	92.9	93	0.108	70 - 130	20	80 - 120	20
Vanadium	46	50	109	100	4.22	10	93.8	93.5	0.299	70 - 130	20	80 - 120	20
Zinc	110	500	117	110	5.09	100	89.3	89.3	0	70 - 130	20	80 - 120	20
%SS:	119	250	113	104	8.09	250	102	101	0.511	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39415 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811125-001A	11/03/08	11/04/08	11/11/08 6:36 PM	0811125-002A	1/04/08 10:10 AM	11/04/08	11/11/08 6:44 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39401 WorkOrder 0811125

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811178-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	96.9	96	0.926	100	93.7	6.82	70 - 130	20	70 - 130	20
MTBE	ND	0.10	97.4	87	11.2	94.1	92.4	1.79	70 - 130	20	70 - 130	20
Benzene	ND	0.10	87.7	89.3	1.80	90.6	88.8	2.02	70 - 130	20	70 - 130	20
Toluene	ND	0.10	87.1	88	1.10	88.9	86.5	2.70	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	92.5	93.8	1.37	94	92	2.20	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	102	103	1.27	104	102	2.57	70 - 130	20	70 - 130	20
%SS:	89	0.10	86	88	2.53	99	96	2.99	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39401 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811125-001A	11/03/08	11/04/08	11/06/08 2:33 AM	0811125-002A	11/04/08 10:10 AM	11/04/08	11/06/08 3:06 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39412 WorkOrder 0811125

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0811088-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	14	20	78.7	81.4	1.74	96.5	96.6	0.122	70 - 130	30	70 - 130	30
%SS:	116	50	115	116	0.930	111	111	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39412 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811125-001A	11/03/08	11/04/08	11/08/08 9:48 PM	0811125-002A	11/04/08 10:10 AM	11/04/08	11/08/08 10:58 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	11/05/08
55 New Montgomery St, Ste 722		Date Received:	11/05/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	11/12/08
	Client P.O.:	Date Completed:	11/12/08

WorkOrder: 0811195

November 12, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811195

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 11/5/08
Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lafontaine Project No.: 2007-014
Sampler: Signature: J. Lafontaine Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-683	Doyle Drive	11/5/08	11:50	1	SS				X		X											
AEW-684			11:55	1	SS				X		X											
AEW-685			12:00	1	SS				X		X											
AEW-686			12:05	1	SS				X		X											
AEW-687			12:10	1	SS				X		X											
AEW-688			12:15	1	SS				X		X											
AEW-689			12:20	1	SS				X		X											
AEW-690			12:25	1	SS				X		X											
AEW-691			12:30	1	SS				X		X											
AEW-692			12:35	1	SS				X		X											

Composite 69

Relinquished By: J. Lafontaine Date: 11/5/08 Time: 14:30 Received By:
Relinquished By: Date: 11/5/08 Time: 14:45 Received By: R. Vega

Remarks:

ICE / t° 3.4 GOOD CONDITION yes HEAD SPACE ABSENT ____ DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS yes PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Date: 11/5/03

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: Joe LaMante Project No.: 2007-014
Sampler: Signature: J. LaMante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

TURN AROUND TIME: LABORATORY: McCampbell
24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☐ Normal ☒
Others:

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-693	Doyle Drive	11/5/03	12:40	1	SS				X		X											
AEW-694			12:45	1	SS				X		X											
AEW-695			12:50	1	SS				X		X											
AEW-696			12:55	1	SS				X		X											
AEW 697			13:00	1	SS				X		X											
AEW-698			13:05	1	SS				X		X											
AEW-699			13:10	1	SS				X		X											
AEW-700			13:15	1	SS				X		X											
AEW-701			13:20	1	SS				X		X											
AEW-702			13:25	1	SS				X		X											

Composite 70

Analysis Request

Relinquished By: J. LaMante Date: 11/5/03 Time: 14:30 Received By:
Relinquished By: Date: 11/5/03 Time: 1445 Received By: R. Yer

Remarks:

ICE / t° 3.4
GOOD CONDITION yes APPROPRIATE yes
HEAD SPACE ABSENT CONTAINERS
DECHLORINATED IN LAB PRESERVED IN LAB
PRESERVATION VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811195 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **11/05/2008**
Date Printed: **11/05/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811195-001	Composite 69	Soil	11/5/2008	☐	A	A	A	A	A	A	A					
0811195-002	Composite 70	Soil	11/5/2008	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_S	4	CAM17MS_S	5	G-MBTEX_S
6	PRCOMPOSITING	7	TPH(DMO)WSG_S	8		9		10	
11		12							

Prepared by: Rosa Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **11/5/2008 7:33:28 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Rosa Venegas

WorkOrder N°: **0811195** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
55 New Montgomery St, Ste 722		Date Received: 11/05/08
	Client Contact: Randall Young	Date Extracted: 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811195

Lab ID	0811195-001A	0811195-002A			Reporting Limit for DF =1	
Client ID	Composite 69	Composite 70				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	108	107				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
		Date Received: 11/05/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/11/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811195

Lab ID	0811195-001A						
Client ID	Composite 69						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	94	%SS2:	95
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
		Date Received: 11/05/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/08/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811195

Lab ID	0811195-002A						
Client ID	Composite 70						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	99	%SS2:	90
%SS3:	90		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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55 New Montgomery St, Ste 722		Date Received: 11/05/08
	Client Contact: Randall Young	Date Extracted: 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811195

Lab ID	0811195-001A	0811195-002A			Reporting Limit for DF =1	
Client ID	Composite 69	Composite 70				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND			0.005	NA
Acenaphthylene	ND	ND			0.005	NA
Anthracene	ND	ND			0.005	NA
Benzo(a)anthracene	ND	ND			0.005	NA
Benzo(a)pyrene	ND	ND			0.005	NA
Benzo(b)fluoranthene	ND	ND			0.005	NA
Benzo(g,h,i)perylene	ND	ND			0.005	NA
Benzo(k)fluoranthene	ND	ND			0.005	NA
Chrysene	ND	ND			0.005	NA
Dibenzo(a,h)anthracene	ND	ND			0.005	NA
Fluoranthene	ND	ND			0.005	NA
Fluorene	ND	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND			0.005	NA
1-Methylnaphthalene	ND	ND			0.005	NA
2-Methylnaphthalene	ND	ND			0.005	NA
Naphthalene	ND	ND			0.005	NA
Phenanthrene	ND	ND			0.005	NA
Pyrene	ND	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	33	33				
%SS2	58	57				
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
55 New Montgomery St, Ste 722		Date Received 11/05/08
	Client Contact: Randall Young	Date Extracted 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/11/08

CAM / CCR 17 Metals*

Lab ID	0811195-001A	0811195-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 69	Composite 70				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811195

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	2.3	3.4			0.5	NA
Barium	47	63			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	32	50			0.5	NA
Cobalt	4.8	6.9			0.5	NA
Copper	17	31			0.5	NA
Lead	14	30			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	0.60	1.1			0.5	NA
Nickel	29	44			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	27	39			0.5	NA
Zinc	28	42			5.0	NA
%SS:	101	101				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
55 New Montgomery St, Ste 722		Date Received: 11/05/08
	Client Contact: Randall Young	Date Extracted: 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/06/08-11/07/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811195

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 69	S	2.7,d7	ND	ND	ND	ND	ND	1	99
002A	Composite 70	S	5.2,d7	ND	ND	ND	ND	ND	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
		Date Received: 11/05/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/05/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/08/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811195

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811195-001A	Composite 69	S	22,e7,e8	31	1	100
0811195-002A	Composite 70	S	33,e7,e8	56	1	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39292 WorkOrder 0811195

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0810835-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	88.5	90.3	2.00	86.7	86.9	0.244	70 - 130	20	70 - 130	20
%SS:	118	0.050	119	119	0	119	117	1.32	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39292 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-001A	11/05/08	11/05/08	11/06/08 10:47 PM	0811195-002A	11/05/08	11/05/08	11/06/08 11:43 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39462 WorkOrder 0811195

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0811182-008A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	93.9	90.1	4.10	93.3	90.3	3.26	60 - 130	30	60 - 130	30
Benzene	ND	0.050	104	102	1.61	110	107	2.32	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	95.9	90	6.34	93.4	92.8	0.657	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	107	105	1.07	109	107	1.74	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	99.6	93.4	6.42	104	102	2.17	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	98.3	97.3	0.955	101	97.2	3.41	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	86.3	85.7	0.730	95.6	92.6	3.12	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	92.1	90.9	1.37	99.6	95.6	4.12	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	106	103	3.13	109	104	4.47	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	91.2	87.5	4.17	93	90.3	2.95	60 - 130	30	60 - 130	30
Toluene	ND	0.050	122	118	3.95	120	117	2.77	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	112	111	0.935	118	116	1.73	60 - 130	30	60 - 130	30
%SS1:	96	0.12	89	89	0	90	90	0	70 - 130	30	70 - 130	30
%SS2:	92	0.12	89	86	2.89	85	84	1.30	70 - 130	30	70 - 130	30
%SS3:	86	0.012	93	97	3.85	93	94	1.49	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39462 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-001A	11/05/08	11/05/08	11/11/08 3:16 AM	0811195-002A	11/05/08	11/05/08	11/08/08 5:28 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39389 WorkOrder 0811195

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0811057-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	93.9	92.2	1.91	73.2	74.4	1.71	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	101	99.8	1.05	66.6	67.4	1.09	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	101	97.7	3.54	95	96.2	1.24	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	92.8	88.4	4.84	91.5	92.7	1.29	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	97.3	95.2	2.26	77.4	78.6	1.49	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	74.9	73.8	1.40	70.7	71.6	1.21	30 - 130	30	30 - 130	30
%SS1:	38	0.050	34	31	8.48	33	33	0	30 - 130	30	30 - 130	30
%SS2:	62	0.050	59	50	15.9	59	60	0.733	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39389 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-001A	11/05/08	11/05/08	11/06/08 3:56 AM	0811195-002A	11/05/08	11/05/08	11/06/08 2:39 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0811195

EPA Method 6020A **Extraction SW3050B** **BatchID: 39259** **Spiked Sample ID 0810794-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.76	50	122	127	3.52	10	102	96.2	5.87	70 - 130	20	80 - 120	20
Arsenic	7.0	50	121	129	5.68	10	108	101	6.03	70 - 130	20	80 - 120	20
Barium	97	500	123	128	3.37	100	103	96.7	6.53	70 - 130	20	80 - 120	20
Beryllium	ND	50	115	120	3.79	10	102	99	3.18	70 - 130	20	80 - 120	20
Cadmium	ND	50	118	124	4.46	10	103	97	5.79	70 - 130	20	80 - 120	20
Chromium	60	50	114	136, F1	8.84	10	113	112	0.438	70 - 130	20	80 - 120	20
Cobalt	8.8	50	112	119	5.01	10	100	96.2	4.14	70 - 130	20	80 - 120	20
Copper	23	50	120	131, F1	6.27	10	110	102	8.02	70 - 130	20	80 - 120	20
Lead	27	50	121	127	3.11	10	92.9	90.6	2.52	70 - 130	20	80 - 120	20
Mercury	0.18	1.25	120	125	3.80	0.25	110	109	1.28	70 - 130	20	80 - 120	20
Molybdenum	ND	50	112	118	4.65	10	97.7	92.7	5.27	70 - 130	20	80 - 120	20
Nickel	48	50	123	136, F1	5.70	10	107	99	8.04	70 - 130	20	80 - 120	20
Selenium	ND	50	117	130	10.3	10	112	112	0	70 - 130	20	80 - 120	20
Silver	ND	50	102	110	7.61	10	82.1	91	9.94	70 - 130	20	80 - 120	20
Thallium	ND	50	116	121	4.07	10	84.6	84.2	0.497	70 - 130	20	80 - 120	20
Vanadium	53	50	114	134, F1	8.55	10	113	113	0	70 - 130	20	80 - 120	20
Zinc	65	500	120	126	4.08	100	101	96.2	4.62	70 - 130	20	80 - 120	20
%SS:	117	250	124	127	2.49	250	108	103	4.77	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

F1 = MS / MSD outside of acceptance criteria. LCS - LCSD validate prep batch.

BATCH 39259 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-001A	11/05/08	11/05/08	11/11/08 4:12 AM	0811195-002A	11/05/08	11/05/08	11/11/08 4:21 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39461 WorkOrder: 0811195

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **Spiked Sample ID: 0811182-008A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	98.7	95.5	3.33	84.1	92.9	9.96	70 - 130	20	70 - 130	20
MTBE	ND	0.10	101	97.4	3.43	111	108	2.56	70 - 130	20	70 - 130	20
Benzene	ND	0.10	92.1	87	5.73	91.9	93.5	1.75	70 - 130	20	70 - 130	20
Toluene	ND	0.10	102	96.5	5.61	101	103	1.26	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	101	95.4	5.65	100	98.9	1.22	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	111	105	5.70	110	108	1.85	70 - 130	20	70 - 130	20
%SS:	77	0.10	99	87	12.0	97	88	10.1	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39461 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-001A	11/05/08	11/05/08	11/06/08 11:10 PM	0811195-002A	11/05/08	11/05/08	11/07/08 3:35 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND conta significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high ma or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39346 WorkOrder 0811195

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0810888-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	84.2	84.3	0.0596	95.1	93	2.18	70 - 130	30	70 - 130	30
%SS:	92	50	112	111	0.442	118	115	2.13	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39346 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-001A	11/05/08	11/05/08	11/08/08 12:28 PM	0811195-002A	11/05/08	11/05/08	11/08/08 12:37 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled:	11/05/08
55 New Montgomery St, Ste 722		Date Received:	11/05/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported:	11/12/08
	Client P.O.:	Date Completed:	11/17/08

WorkOrder: 0811195

November 17, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811195

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 11/5/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: J. LaPlante — Project No.: 2007-014
Sampler: Signature: J. LaPlante — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ — Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-683	Doyle Drive	11/5/08	11:50	1	SS				X		X											
AEW-684			11:55	1	SS				X		X											
AEW-685			12:00	1	SS				X		X											
AEW-686			12:05	1	SS				X		X											
AEW-687			12:10	1	SS				X		X											
AEW-688			12:15	1	SS				X		X											
AEW-689			12:20	1	SS				X		X											
AEW-690			12:25	1	SS				X		X											
AEW-691			12:30	1	SS				X		X											
AEW-692			12:35	1	SS				X		X											

Composite 69

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	11/5/08	14:30	
	11/5/08	1445	R. Vega

Remarks:

ICE / t° 3.4
GOOD CONDITION yes — APPROPRIATE CONTAINERS yes
HEAD SPACE ABSENT ____ — DECHLORINATED IN LAB ____ — PRESERVED IN LAB ____
PRESERVATION: VOAS ____ | O & G ____ | METALS ____ | OTHER ____

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal — Others:

LABORATORY: McCampbell

Date: 11/5/08

Report To: Randy Young — eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. — Project No.: 2007-014
Project Name: Doyle Drive — Location: San Francisco
Sampler: Joe LaMante — Project No.: 2007-014
Sampler: Signature: J. LaMante — Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

Analysis Request: TPH-Gas/BTEX/MTBE; TPH-Diesel/Motor Oil with Silica Gel cleanup; CAM 17 Metals; PCBs; PAHs; VOCs (8260B)

Other: Added silica gel 11-12-08 RUSH TAT per email

Comments:

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other
AEW-693	Doyle Drive	11/5/08	12:40	1	SS				X		X			
AEW-694			12:45	1	SS				X		X			
AEW-695			12:50	1	SS				X		X			
AEW-696			12:55	1	SS				X		X			
AEW-697			13:00	1	SS				X		X			
AEW-698			13:05	1	SS				X		X			
AEW-699			13:10	1	SS				X		X			
AEW-700			13:15	1	SS				X		X			
AEW-701			13:20	1	SS				X		X			
AEW-702			13:25	1	SS				X		X			

Composite 70

Relinquished By:	Date:	Time:	Received By:
J. LaMante	11/5/08	14:30	
	11/5/08	1745	

Remarks:

ICE / t° 3.4
GOOD CONDITION yes
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
PRESERVED IN LAB ____
APPROPRIATE CONTAINERS yes

PRESERVATION: VOAS ____ | O & G ____ | METALS ____ | OTHER ____

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 081119 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days
Date Received: 11/05/2008
Date Add-On: 11/12/2008
Date Printed: 11/12/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811195-002	Composite 70	Soil	11/5/2008	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Rosa Venegas

Comments: Added STLC Cr on RUSH TAT per email on 11/12/08.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/05/08
		Date Received: 11/05/08
	Client Contact: Randall Young	Date Extracted: 11/12/08-11/14/08
	Client P.O.:	Date Analyzed 11/17/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0811195

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0811195-002A	Composite 70	S	WET	0.44	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39546 WorkOrder 0811195

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	101	95	6.41	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39546 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811195-002A	11/05/08	11/12/08	11/17/08 11:47 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
55 New Montgomery St, Ste 722		Date Received: 11/07/08
San Francisco, CA 94105	Client Contact: Randall Young	Date Reported: 11/14/08
	Client P.O.:	Date Completed: 11/14/08

WorkOrder: 0811274

November 14, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811274

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 2

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 24 HOURS ☒ Normal Others:

LABORATORY: McCampbell

Date: 11/7/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-703	Doyle Drive	11/7/08	09:00	1	SS				X		X											
AEW-704			09:05	1	SS				X		X											
AEW-705			09:10	1	SS				X		X											
AEW-706			09:15	1	SS				X		X											
AEW-707			09:20	1	SS				X		X											
AEW-708			09:25	1	SS				X		X											
AEW-710			09:30	1	SS				X		X											
AEW-711			09:35	1	SS				X		X											
AEW-712			09:40	1	SS				X		X											
AEW-713			09:45	1	SS				X		X											

Analysis Request: Composite 71

Relinquished By: J. LaPlante Date: 11/7/08 Time: 13:00 Received By:
Relinquished By: Date: Time: 14:45 Received By:

Remarks:

ICE/t° yes 3.6 °C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT N/A PRESERVED IN LAB NO
DECHLORINATED IN LAB N/A

PRESERVATION	VOAS	O&G	METALS	OTHER

0811274

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD Page 2 of 2

TURN AROUND TIME ☐ ☒ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 11/7/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lofkanto Project No.: 2007-014
Sampler: Signature: J. Lofkanto Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic : Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B)	Other	Comments
AEW-714	Doyle Drive	11/7/08	09:50	1	SS				X		X											
AEW-715			10:10	1	SS				X		X											
AEW-716			10:15	1	SS				X		X											
AEW-717			10:20	1	SS				X		X											
AEW-718			10:25	1	SS				X		X											
AEW-719			10:30	1	SS				X		X											
AEW-720			10:35	1	SS				X		X											
AEW-721			10:40	1	SS				X		X											
AEW-722			10:45	1	SS				X		X											
AEW-723			10:50	1	SS				X		X											

Composite 72

Relinquished By:	Date:	Time:	Received By:
J. Lofkanto	11/7/08	13:00	
	11/8/08	8:45	

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811274 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 5 days

Date Received: **11/07/2008**
Date Printed: **11/07/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811274-001	Composite 71	Soil	11/7/2008	☐	A	A	A	A	A	A						
0811274-002	Composite 72	Soil	11/7/2008	☐	A	A	A	A	A	A						

Test Legend:

1	8082A_PCB_S	2	8260B_S	3	8270D-PNA_Sol	4	CAM17MS_S	5	G-MBTEX_S
6	TPH(DMO)WSG_S	7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **11/7/2008 5:22:51 PM**

Project Name: **#2007-014; Doyle Drive**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0811274** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
55 New Montgomery St, Ste 722		Date Received: 11/07/08
	Client Contact: Randall Young	Date Extracted: 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/10/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811274

Lab ID	0811274-001A	0811274-002A			Reporting Limit for DF =1	
Client ID	Composite 71	Composite 72				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	92	119				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
		Date Received: 11/07/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/11/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811274

Lab ID	0811274-001A						
Client ID	Composite 71						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	101	%SS2:	94
%SS3:	96		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
		Date Received: 11/07/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/11/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811274

Lab ID	0811274-002A						
Client ID	Composite 72						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	98	%SS2:	91
%SS3:	84		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
55 New Montgomery St, Ste 722		Date Received: 11/07/08
	Client Contact: Randall Young	Date Extracted: 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/10/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811274

Lab ID	0811274-001A	0811274-002A			Reporting Limit for DF =1	
Client ID	Composite 71	Composite 72				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND			0.005	NA
Acenaphthylene	ND	ND			0.005	NA
Anthracene	ND	ND			0.005	NA
Benzo(a)anthracene	ND	ND			0.005	NA
Benzo(a)pyrene	ND	ND			0.005	NA
Benzo(b)fluoranthene	ND	ND			0.005	NA
Benzo(g,h,i)perylene	ND	ND			0.005	NA
Benzo(k)fluoranthene	ND	ND			0.005	NA
Chrysene	ND	ND			0.005	NA
Dibenzo(a,h)anthracene	ND	ND			0.005	NA
Fluoranthene	ND	ND			0.005	NA
Fluorene	ND	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND			0.005	NA
1-Methylnaphthalene	ND	ND			0.005	NA
2-Methylnaphthalene	ND	ND			0.005	NA
Naphthalene	ND	ND			0.005	NA
Phenanthrene	ND	ND			0.005	NA
Pyrene	ND	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	78	77				
%SS2	68	67				
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
55 New Montgomery St, Ste 722		Date Received 11/07/08
	Client Contact: Randall Young	Date Extracted 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/12/08

CAM / CCR 17 Metals*

Lab ID	0811274-001A	0811274-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 71	Composite 72				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811274

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	1.8	1.7			0.5	NA
Barium	30	30			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	32	31			0.5	NA
Cobalt	3.4	3.6			0.5	NA
Copper	14	8.6			0.5	NA
Lead	15	9.0			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	0.55	ND			0.5	NA
Nickel	21	21			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	20	22			0.5	NA
Zinc	22	18			5.0	NA
%SS:	102	125				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
55 New Montgomery St, Ste 722		Date Received: 11/07/08
	Client Contact: Randall Young	Date Extracted: 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/09/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811274

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 71	S	1.2,d7	ND	ND	ND	ND	ND	1	98
002A	Composite 72	S	6.7,d7	ND	ND	ND	ND	ND	1	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive	Date Sampled: 11/07/08
		Date Received: 11/07/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/07/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/08/08-11/14/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811274

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811274-001A	Composite 71	S	8.8,e7,e8	24	1	119
0811274-002A	Composite 72	S	28,e7,e8	33	1	117

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39482 WorkOrder 0811274

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0811212-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	91.3	92.7	1.60	92.9	86.3	7.38	60 - 130	30	60 - 130	30
Benzene	ND	0.050	104	111	6.42	109	99.8	8.89	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	97.4	89.7	8.21	96.6	87.7	9.58	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	105	109	4.48	110	101	8.47	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	101	100	1.17	101	98.5	2.49	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	96.7	99.2	2.61	100	91.3	9.41	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	90.2	95.3	5.49	97.2	85.2	13.2	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	95.4	99.2	3.88	99.3	91.7	7.93	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	105	108	2.63	108	99.6	8.12	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	92.1	91.6	0.493	94.3	85.4	9.82	60 - 130	30	60 - 130	30
Toluene	ND	0.050	114	120	5.41	119	111	6.79	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	111	118	6.31	117	106	10.3	60 - 130	30	60 - 130	30
%SS1:	100	0.12	90	90	0	90	89	0.931	70 - 130	30	70 - 130	30
%SS2:	94	0.12	85	83	1.70	84	86	2.51	70 - 130	30	70 - 130	30
%SS3:	94	0.012	95	96	0.748	99	93	6.00	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39482 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811274-001A	11/07/08	11/07/08	11/11/08 6:38 AM	0811274-002A	11/07/08	11/07/08	11/11/08 5:55 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39522 WorkOrder 0811274

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0811259-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND<2.5	0.075	NR	NR	NR	71.1	71.3	0.311	70 - 130	20	70 - 130	20
%SS:	97	0.050	118	115	2.93	94	91.4	2.38	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39522 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811274-001A	11/07/08	11/07/08	11/10/08 11:46 AM	0811274-002A	11/07/08	11/07/08	11/10/08 11:46 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Solid QC Matrix: Soil BatchID: 39523 WorkOrder 0811274

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0811259-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.10	0.10	NR	NR	NR	66.8	66.2	0.828	30 - 130	30	30 - 130	30
Chrysene	ND<0.10	0.10	NR	NR	NR	80.3	80.5	0.278	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.10	0.10	NR	NR	NR	108	107	0.457	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.10	0.10	NR	NR	NR	97.9	100	2.13	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.10	0.10	NR	NR	NR	87.7	87.7	0	30 - 130	30	30 - 130	30
Pyrene	ND<0.10	0.10	NR	NR	NR	86.2	86.3	0.123	30 - 130	30	30 - 130	30
%SS1:	108	0.050	112	112	0	84	85	1.57	30 - 130	30	30 - 130	30
%SS2:	91	0.050	100	100	0	74	75	2.36	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39523 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811274-001A	11/07/08	11/07/08	11/10/08 9:01 PM	0811274-002A	11/07/08	11/07/08	11/10/08 10:18 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.
# = surrogate diluted out of range.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0811274

EPA Method 6020A **Extraction SW3050B** **BatchID: 39499** **Spiked Sample ID 0811244-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.86	50	102	114	11.8	10	100	92.9	7.85	70 - 130	20	80 - 120	20
Arsenic	5.6	50	101	118	14.1	10	101	95.3	6.24	70 - 130	20	80 - 120	20
Barium	180	500	99.9	115	10.7	100	98.5	89.6	9.46	70 - 130	20	80 - 120	20
Beryllium	ND	50	94.9	106	11.2	10	100	92.2	8.19	70 - 130	20	80 - 120	20
Cadmium	ND	50	98.2	111	11.9	10	96.2	87.8	9.12	70 - 130	20	80 - 120	20
Chromium	93	50	NR	NR	NR	10	106	98.2	7.71	70 - 130	20	80 - 120	20
Cobalt	8.5	50	96.7	113	13.2	10	97.3	90.3	7.45	70 - 130	20	80 - 120	20
Copper	49	50	88.5	91	1.33	10	103	95.3	7.42	70 - 130	20	80 - 120	20
Lead	41	50	91.7	112	11.1	10	98.4	91.1	7.59	70 - 130	20	80 - 120	20
Mercury	0.18	1.25	99.1	112	11.0	0.25	96.4	89.9	6.64	70 - 130	20	80 - 120	20
Molybdenum	1.4	50	98.9	112	12.5	10	96.3	90.4	6.39	70 - 130	20	80 - 120	20
Nickel	45	50	88.9	90.7	0.978	10	105	97.7	6.88	70 - 130	20	80 - 120	20
Selenium	ND	50	98.4	116	15.9	10	103	97.6	5.26	70 - 130	20	80 - 120	20
Silver	ND	50	107	117	8.98	10	93	87.5	6.15	70 - 130	20	80 - 120	20
Thallium	ND	50	102	113	9.55	10	93.3	87.4	6.54	70 - 130	20	80 - 120	20
Vanadium	56	50	NR	NR	NR	10	104	97.5	6.68	70 - 130	20	80 - 120	20
Zinc	100	500	98.4	115	13.2	100	94.8	88	7.37	70 - 130	20	80 - 120	20
%SS:	123	250	103	117	12.3	250	105	92	13.8	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39499 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811274-001A	11/07/08	11/07/08	11/12/08 4:46 AM	0811274-002A	11/07/08	11/07/08	11/12/08 4:54 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39531 WorkOrder 0811274

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811272-012A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	92	93.5	1.58	90.5	97.6	7.60	70 - 130	20	70 - 130	20
MTBE	ND	0.10	90.5	86.9	4.12	87.5	84.2	3.80	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.8	89.8	1.12	97.6	94.2	3.62	70 - 130	20	70 - 130	20
Toluene	ND	0.10	86.1	84.2	2.19	92.2	89	3.60	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.5	95.2	0.375	104	97.5	6.08	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	92.9	90.4	2.71	96	95.4	0.568	70 - 130	20	70 - 130	20
%SS:	84	0.10	92	91	0.957	100	93	6.98	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39531 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811274-001A	11/07/08	11/07/08	11/09/08 12:24 AM	0811274-002A	11/07/08	11/07/08	11/09/08 12:54 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39497 WorkOrder 0811274

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0811249-011A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	96.1	95.5	0.682	96.2	96.9	0.749	70 - 130	30	70 - 130	30
%SS:	110	50	111	109	1.49	109	109	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39497 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811274-001A	11/07/08	11/07/08	11/14/08 1:23 PM	0811274-002A	11/07/08	11/07/08	11/08/08 4:57 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	11/11/08
		Date Received:	11/11/08
	Client Contact: Randall Young	Date Reported:	11/14/08
	Client P.O.:	Date Completed:	11/14/08

WorkOrder: 0811365

November 14, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RUSH

0811365

CHANGED TO 72HR PER R.Y 11/12/08

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 2

TURN AROUND TIME: 24 HOURS ☐ 48 HOUR ☐ 72HR ☒ ~~24 HOURS~~ Normal ☐ Others:

LABORATORY: McCampbell

Date: 11/11/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lafontaine Project No.: 2007-014
Sampler: Signature: J. Lafontaine Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-724	Doyle Drive	11/11/08	10:00	1	SS				X		X											
AEW-725	↓	↓	10:05	1	SS				X		X											
AEW-726			10:10	1	SS				X		X											
AEW-727			10:15	1	SS				X		X											
AEW-729			10:20	1	SS				X		X											
AEW-730			10:25	1	SS				X		X											
AEW-731			10:30	1	SS				X		X											
AEW-732			10:35	1	SS				X		X											
AEW-733			10:40	1	SS				X		X											
AEW-734	↓	↓	10:45	1	SS				X		X											

Composite 73

Relinquished By:	Date:	Time:	Received By:
J. Lafontaine	11/11/08	13:00	
Relinquished By:	Date:	Time:	Received By:
	11/11/08	1500	

Remarks:

ICE / t° 6-6 ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION

VOAS	O & G	METALS	OTHER

RUSH

CHANGED TO 72HR RUSH PER R.Y 11/12/08

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS ☐ | 48 HOUR ☐ | 72HR ☒ | ~~24~~ HOURS | Normal | Others:

LABORATORY: McCampbell

Date: 11/11/08

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaMarty Project No.: 2007-014

Sampler: Signature: Bill To: Randy Young

Reporting Requirement: Hard Copy: Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Preserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-735	Doyle Drive	11/11/08	10:50	1	SS				X		X											
AEW-736	↓	↓	12:00	1	SS				X		X											
AEW-737	↓	↓	12:05	1	SS				X		X											
AEW-738	↓	↓	12:10	1	SS				X		X											
AEW-739	↓	↓	12:15	1	SS				X		X											
AEW-740	↓	↓	12:20	1	SS				X		X											
AEW-741	↓	↓	12:25	1	SS				X		X											
AEW-742	↓	↓	12:30	1	SS				X		X											
AEW-743	↓	↓	12:35	1	SS				X		X											
AEW-744	↓	↓	12:40	1	SS				X		X											

Composite 74

Relinquished By:	Date:	Time:	Received By:
	11/11/08	13:00	
Relinquished By:	Date: 11/11/08	Time: 1500	Received By:

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811365 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 3 days

Date Received: **11/11/2008**
Date Printed: **11/12/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811365-001	Composite 73	Sludge	11/11/2008 10:00	☐	A	A	A	A	A	A	A					
0811365-002	Composite 74	Sludge	11/11/2008 10:50	☐	A	A	A	A	A	A	A					

Test Legend:

1	8082A_PCB_Sludge	2	8260B_Sludge	3	8270D-PNA_SL	4	CAM17MS_Sludge	5	G-MBTEX_Sludge
6	PRCOMPOSITING	7	TPH(DMO)WSG_Sludge	8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 72hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **11/11/08 7:23:37 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0811365** Matrix Sludge

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/11/08
		Date Received: 11/11/08
	Client Contact: Randall Young	Date Extracted: 11/11/08
	Client P.O.:	Date Analyzed: 11/13/08-11/14/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811365

Lab ID	0811365-001A	0811365-002A			Reporting Limit for DF =1	
Client ID	Composite 73	Composite 74				
Matrix	Sludge	Sludge				
DF	1	1			Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	96	124				
Comments	h4	h4				

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/11/08
		Date Received: 11/11/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/12/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811365

Lab ID	0811365-001A						
Client ID	Composite 73						
Matrix	Sludge						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	90	%SS2:	89
%SS3:	91		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/11/08
		Date Received: 11/11/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/12/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811365

Lab ID	0811365-002A						
Client ID	Composite 74						
Matrix	Sludge						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	88	%SS2:	90
%SS3:	93		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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55 New Montgomery St, Ste 722		Date Received: 11/11/08
	Client Contact: Randall Young	Date Extracted: 11/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/13/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811365

Lab ID	0811365-001A	0811365-002A			Reporting Limit for DF =1	
Client ID	Composite 73	Composite 74				
Matrix	Sludge	Sludge				
DF	5	1			Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.025	ND			0.005	NA
Acenaphthylene	ND<0.025	ND			0.005	NA
Anthracene	ND<0.025	ND			0.005	NA
Benz(a)anthracene	ND<0.025	ND			0.005	NA
Benzo(a)pyrene	ND<0.025	ND			0.005	NA
Benzo(b)fluoranthene	ND<0.025	ND			0.005	NA
Benzo(g,h,i)perylene	ND<0.025	ND			0.005	NA
Benzo(k)fluoranthene	ND<0.025	ND			0.005	NA
Chrysene	ND<0.025	ND			0.005	NA
Dibenzo(a,h)anthracene	ND<0.025	ND			0.005	NA
Fluoranthene	ND<0.025	ND			0.005	NA
Fluorene	ND<0.025	ND			0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.025	ND			0.005	NA
1-Methylnaphthalene	ND<0.025	ND			0.005	NA
2-Methylnaphthalene	ND<0.025	ND			0.005	NA
Naphthalene	ND<0.025	ND			0.005	NA
Phenanthrene	ND<0.025	ND			0.005	NA
Pyrene	ND<0.025	ND			0.005	NA
Surrogate Recoveries (%)						
%SS1	34	32				
%SS2	50	47				
Comments	a3					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content / matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/11/08
55 New Montgomery St, Ste 722		Date Received 11/11/08
	Client Contact: Randall Young	Date Extracted 11/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/13/08

CAM / CCR 17 Metals*

Lab ID	0811365-001A	0811365-002A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 73	Composite 74				
Matrix	Sludge	Sludge			Sludge	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811365

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	1.8	1.3			0.5	NA
Barium	33	36			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	43	35			0.5	NA
Cobalt	4.3	5.6			0.5	NA
Copper	8.0	21			0.5	NA
Lead	6.0	17			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	ND	ND			0.5	NA
Nickel	23	21			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	26	34			0.5	NA
Zinc	18	23			5.0	NA
%SS:	93	93				

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/11/08
55 New Montgomery St, Ste 722		Date Received: 11/11/08
	Client Contact: Randall Young	Date Extracted: 11/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/13/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811365

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 73	Sludge	5.7,d7	ND	ND	ND	ND	ND	1	76
002A	Composite 74	Sludge	1.1,d7	ND	ND	ND	ND	ND	1	80

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	Sludge	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/11/08
55 New Montgomery St, Ste 722		Date Received: 11/11/08
	Client Contact: Randall Young	Date Extracted: 11/11/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/14/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811365

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811365-001A	Composite 73	Sludge	20,e8/e1,e7	25	1	125
0811365-002A	Composite 74	Sludge	20,e7,e8	64	1	124

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	Sludge	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range; and/or e1) unmodified or weakly modified diesel is significant

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39497 WorkOrder: 0811365

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0811249-011A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	96.1	95.5	0.682	96.2	96.9	0.749	70 - 130	30	70 - 130	30
%SS:	110	50	111	109	1.49	109	109	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39497 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811365-001A	11/11/08 10:00 AM	11/11/08	11/14/08 10:16 AM	0811365-002A	11/11/08 10:50 AM	11/11/08	11/14/08 11:28 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39558 WorkOrder: 0811365

EPA Method SW8082 **Extraction SW3550C** **Spiked Sample ID: 0811316-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	79.7	81.8	2.60	88.7	89	0.389	70 - 130	20	70 - 130	20
%SS:	102	0.050	89	89	0	99	98	0.760	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39558 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811365-001A	11/11/08 10:00 AM	11/11/08	11/13/08 8:17 AM	0811365-002A	11/11/08 10:50 AM	11/11/08	11/14/08 4:55 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39523 WorkOrder: 0811365

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0811259-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.10	0.10	NR	NR	NR	66.8	66.2	0.828	30 - 130	30	30 - 130	30
Chrysene	ND<0.10	0.10	NR	NR	NR	80.3	80.5	0.278	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.10	0.10	NR	NR	NR	108	107	0.457	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.10	0.10	NR	NR	NR	97.9	100	2.13	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.10	0.10	NR	NR	NR	87.7	87.7	0	30 - 130	30	30 - 130	30
Pyrene	ND<0.10	0.10	NR	NR	NR	86.2	86.3	0.123	30 - 130	30	30 - 130	30
%SS1:	108	0.050	112	112	0	84	85	1.57	30 - 130	30	30 - 130	30
%SS2:	91	0.050	100	100	0	74	75	2.36	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39523 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811365-001A	11/11/08 10:00 AM	11/11/08	11/13/08 6:07 PM	0811365-002A	11/11/08 10:50 AM	11/11/08	11/13/08 4:45 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39588 WorkOrder: 0811365

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0811349-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	77.1	81.1	5.02	82	81.4	0.773	60 - 130	30	60 - 130	30
Benzene	ND	0.050	90.3	95	5.05	95.6	96.6	1.00	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	76.2	79.9	4.75	86.3	82.2	4.90	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	91.6	97.2	5.96	101	101	0	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	85.2	89.3	4.63	95	94.4	0.667	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	83.5	86.8	3.83	89.9	90	0.0278	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	73.3	78.4	6.71	81.2	82.9	2.06	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	84.5	88.1	4.11	89.5	89.7	0.221	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	89.6	93.5	4.25	95.7	95	0.800	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	76.4	79.1	3.45	83	81.3	2.08	60 - 130	30	60 - 130	30
Toluene	ND	0.050	96	102	6.35	109	109	0	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	98.7	105	5.83	105	108	2.59	60 - 130	30	60 - 130	30
%SS1:	94	0.12	90	90	0	88	88	0	70 - 130	30	70 - 130	30
%SS2:	98	0.12	79	80	1.31	85	84	1.31	70 - 130	30	70 - 130	30
%SS3:	103	0.012	95	93	2.33	90	92	2.95	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39588 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811365-001A	11/11/08 10:00 AM	11/11/08	11/12/08 12:40 PM	0811365-002A	11/11/08 10:50 AM	11/11/08	11/12/08 1:24 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Sludge QC Matrix: Soil WorkOrder: 0811365

EPA Method 6020A **Extraction SW3050B** **BatchID: 39578** **Spiked Sample ID 0810288-041A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	99.5	101	1.33	10	94	103	9.27	70 - 130	20	80 - 120	20
Arsenic	1.6	50	102	103	0.834	10	92.6	103	10.3	70 - 130	20	80 - 120	20
Barium	63	500	104	105	1.04	100	90.5	99.1	8.84	70 - 130	20	80 - 120	20
Beryllium	ND	50	93.3	93.7	0.383	10	82.5	91.1	9.94	70 - 130	20	80 - 120	20
Cadmium	ND	50	96.9	98.1	1.31	10	89.2	98.6	9.98	70 - 130	20	80 - 120	20
Chromium	12	50	95.7	97.1	1.19	10	96	108	12.2	70 - 130	20	80 - 120	20
Cobalt	6.6	50	97.2	99	1.65	10	93.1	102	9.05	70 - 130	20	80 - 120	20
Copper	50	50	99.7	100	0.131	10	91.2	103	11.7	70 - 130	20	80 - 120	20
Lead	4.0	50	98.2	98	0.226	10	92.8	102	8.98	70 - 130	20	80 - 120	20
Mercury	ND	1.25	97.5	98.5	1.05	0.25	94	105	11.1	70 - 130	20	80 - 120	20
Molybdenum	0.50	50	96	96.8	0.821	10	88.8	96.1	7.96	70 - 130	20	80 - 120	20
Nickel	5.6	50	98.9	99.2	0.272	10	90.8	103	12.7	70 - 130	20	80 - 120	20
Selenium	ND	50	102	104	1.92	10	87.2	106	19.2	70 - 130	20	80 - 120	20
Silver	ND	50	107	109	1.24	10	87.2	93.6	7.12	70 - 130	20	80 - 120	20
Thallium	ND	50	101	100	0.575	10	88.3	97.6	10.0	70 - 130	20	80 - 120	20
Vanadium	47	50	98.8	101	1.08	10	95.3	107	11.9	70 - 130	20	80 - 120	20
Zinc	140	500	102	102	0	100	88.1	96.6	9.26	70 - 130	20	80 - 120	20
%SS:	101	250	102	102	0	250	95	105	10.1	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39578 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811365-001A	11/11/08 10:00 AM	11/11/08	11/13/08 6:28 AM	0811365-002A	11/11/08 10:50 AM	11/11/08	11/13/08 6:36 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Sludge QC Matrix: Soil BatchID: 39559 WorkOrder: 0811365

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811318-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)[£]	ND	0.60	91.3	91.5	0.295	89.4	94.6	5.61	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	106	2.02	98.6	99.3	0.731	70 - 130	20	70 - 130	20
Benzene	ND	0.10	85.4	86.9	1.73	82.3	88.5	7.36	70 - 130	20	70 - 130	20
Toluene	ND	0.10	95	96	0.968	91.4	98.5	7.47	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.7	94.8	1.16	90	97.1	7.66	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	104	104	0	99.1	108	8.17	70 - 130	20	70 - 130	20
%SS:	90	0.10	79	92	15.4	79	81	2.68	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39559 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811365-001A	11/11/08 10:00 AM	11/11/08	11/13/08 7:06 AM	0811365-002A	11/11/08 10:50 AM	11/11/08	11/13/08 7:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
	Client Contact: Randall Young	Date Reported: 11/14/08
	Client P.O.:	Date Completed: 11/14/08

WorkOrder: 0811385

November 14, 2008

Dear Randall:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RUSH

081385

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 2

TURN AROUND TIME: 24 HOURS | 48 HOUR ☒ | 24 HOURS | Normal | Others:

LABORATORY: McCampbell

Date: 11/12/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaMante Project No.: 2007-014
Sampler: Signature: J. LaMante Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☑ No ☐
PDF File: Yes ☑ No ☐ Electronic: Yes ☑ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Perserved: Ice	Method Perserved: HCl	Method Perserved: HNO_3	Method Perserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	Other	Comments
AEW-745	Doyle Drive	11/12/08	11:10	1	SS		~~X~~		X		X											
AEW-746	↓	↓	11:15	1	SS		~~X~~		X		X											
AEW-747	↓	↓	11:20	1	SS		~~X~~		X		X											
AEW-748	↓	↓	11:25	1	SS				X		X											

Composite 75

Relinquished By:	Date:	Time:	Received By:
J. LaMante	11/12/08	12:45	
Relinquished By:	Date: 11/12/08	Time: 400	Received By:

Remarks:

ICE / t° 5.0
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION	VOAS	O & G	METALS	OTHER

RUSH

AEW ENGINEERING, INC.

55 New Montgomery Street, Suite 507, San Francisco, CA 94105

Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS | 48 HOUR ☒ | 24 HOURS | Normal | Others:

LABORATORY: McCampbell

Date: 11/12/09

Report To: Randy Young eMail: ryoung@aewengineering.com

Company: AEW Engineering, Inc. Project No.: 2007-014

Project Name: Doyle Drive Location: San Francisco

Sampler: J. LaPlante Project No.: 2007-014

Sampler: Signature: Bill To: Randy Young

Reporting Requirement: Hard Copy : Yes ☒ No ☐

PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Sludge	Matrix: Other	Method Preserved: Ice	Method Preserved: HCl	Method Preserved: HNO_3	Method Preserved: Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (826/8)	Other	Comments
AEW 709	Doyle Drive	11/12/09	11:45	1	SS		X				X											
AEW 728			11:50	1	SS		X				X											
AEW 749			11:30	1	SS		X				X											Composite 76
AEW 750			11:35	1	SS		X				X											
AEW 751			11:40	1	SS		X				X											

Relinquished By:	Date:	Time:	Received By:
	11/12/09	12:45	
Relinquished By:	Date:	Time:	Received By:
	11/12/09		

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811385 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 2 days

Date Received: **11/12/2008**
Date Printed: **11/12/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811385-001	Composite 75	Sludge	11/12/2008 11:10	☐		A		A		A		A		A		
0811385-002	Composite 76	Soil	11/12/2008 11:45	☐	A		A		A		A		A		A	A

Test Legend:

1	8082A_PCB_S	2	8082A_PCB_Sludge	3	8260B_S	4	8260B_Sludge	5	8270D-PNA_S
6	8270D-PNA_SL	7	CAM17MS_S	8	CAM17MS_Sludge	9	G-MBTEX_S	10	G-MBTEX_Sludge
11	PRCOMPOSITING	12	TPH(DMO)WSG_S						

Prepared by: Ana Venegas

Comments: 48hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811385 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 2 days

Date Received: **11/12/2008**
Date Printed: **11/12/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					13	14	15	16	17	18	19	20	21	22	23	24
0811385-001	Composite 75	Sludge	11/12/2008 11:10	☐	A											
0811385-002	Composite 76	Soil	11/12/2008 11:45	☐												

Test Legend:

13	TPH(DMO)WSG_Sludge	14		15		16		17	
18		19		20		21		22	
23		24							

Prepared by: Ana Venegas

Comments: 48hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **11/12/08 5:00:05 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0811385** Matrix Sludge/Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 8.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
	Client P.O.:	Date Analyzed 11/13/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811385

Lab ID	0811385-002A				Reporting Limit for DF =1	
Client ID	Composite 76					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	97					
Comments	h4					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
	Client P.O.:	Date Analyzed 11/13/08

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082 Work Order: 0811385

Lab ID	0811385-001A				Reporting Limit for DF =1	
Client ID	Composite 75					
Matrix	Sludge					
DF	1				Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	110					
Comments	h4					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/12/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811385

Lab ID	0811385-001A						
Client ID	Composite 75						
Matrix	Sludge						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	93	%SS2:	95
%SS3:	89		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
55 New Montgomery St, Ste 722	Client Contact: Randall Young	Date Extracted: 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/12/08

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0811385

Lab ID	0811385-002A						
Client ID	Composite 76						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	91	%SS2:	98
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
55 New Montgomery St, Ste 722		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/13/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811385

Lab ID	0811385-002A				Reporting Limit for DF =1	
Client ID	Composite 76					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	31					
%SS2	55					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
	Client P.O.:	Date Analyzed: 11/13/08

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0811385

Lab ID	0811385-001A				Reporting Limit for DF =1	
Client ID	Composite 75					
Matrix	Sludge					
DF	1				Sludge	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benz(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	35					
%SS2	45					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

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55 New Montgomery St, Ste 722		Date Received 11/12/08
	Client Contact: Randall Young	Date Extracted 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/13/08

CAM / CCR 17 Metals*

Lab ID	0811385-002A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 76					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811385

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.3				0.5	NA
Barium	29				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	75				0.5	NA
Cobalt	6.3				0.5	NA
Copper	5.3				0.5	NA
Lead	4.1				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	36				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	61				0.5	NA
Zinc	24				5.0	NA
%SS:	92					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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55 New Montgomery St, Ste 722		Date Received 11/12/08
	Client Contact: Randall Young	Date Extracted 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/13/08

CAM / CCR 17 Metals*

Lab ID	0811385-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 75					
Matrix	Sludge				Sludge	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811385

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.1				0.5	NA
Barium	42				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	39				0.5	NA
Cobalt	8.6				0.5	NA
Copper	29				0.5	NA
Lead	35				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	31				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	31				0.5	NA
Zinc	25				5.0	NA
%SS:	94					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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55 New Montgomery St, Ste 722		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/13/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811385

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	Composite 76	S	ND	ND	ND	ND	ND	ND	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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55 New Montgomery St, Ste 722		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/13/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811385

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 75	Sludge	ND	ND	ND	ND	ND	ND	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	Sludge	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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55 New Montgomery St, Ste 722		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/12/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/13/08-11/14/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811385

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811385-001A	Composite 75	Sludge	18,e7,e8	61	1	117
0811385-002A	Composite 76	S	1.3,e2	ND	1	89

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S/Sludge	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant
e8) kerosene/kerosene range/jet fuel range

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil/Sludge QC Matrix: Soil BatchID: 39577 WorkOrder: 0811385

EPA Method: SW8082 **Extraction: SW3550C** **Spiked Sample ID: 0811385-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	89.8	90.8	1.16	93.6	90.2	3.77	70 - 130	20	70 - 130	20
%SS:	97	0.050	90.8	93.5	2.94	98.4	97.3	1.14	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39577 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-001A	11/12/08 11:10 AM	11/12/08	11/13/08 2:53 PM	0811385-002A	11/12/08 11:45 AM	11/12/08	11/13/08 3:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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SLA QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil/Sludge QC Matrix: Soil BatchID: 39523 WorkOrder: 0811385

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0811259-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND<0.10	0.10	NR	NR	NR	66.8	66.2	0.828	30 - 130	30	30 - 130	30
Chrysene	ND<0.10	0.10	NR	NR	NR	80.3	80.5	0.278	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND<0.10	0.10	NR	NR	NR	108	107	0.457	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND<0.10	0.10	NR	NR	NR	97.9	100	2.13	30 - 130	30	30 - 130	30
Phenanthrene	ND<0.10	0.10	NR	NR	NR	87.7	87.7	0	30 - 130	30	30 - 130	30
Pyrene	ND<0.10	0.10	NR	NR	NR	86.2	86.3	0.123	30 - 130	30	30 - 130	30
%SS1:	108	0.050	112	112	0	84	85	1.57	30 - 130	30	30 - 130	30
%SS2:	91	0.050	100	100	0	74	75	2.36	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39523 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-001A	11/12/08 11:10 AM	11/12/08	11/13/08 7:27 PM	0811385-002A	11/12/08 11:45 AM	11/12/08	11/13/08 8:48 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil/Sludge QC Matrix: Soil BatchID: 39588 WorkOrder: 0811385

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0811349-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	77.1	81.1	5.02	82	81.4	0.773	60 - 130	30	60 - 130	30
Benzene	ND	0.050	90.3	95	5.05	95.6	96.6	1.00	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	76.2	79.9	4.75	86.3	82.2	4.90	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	91.6	97.2	5.96	101	101	0	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	85.2	89.3	4.63	95	94.4	0.667	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	83.5	86.8	3.83	89.9	90	0.0278	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	73.3	78.4	6.71	81.2	82.9	2.06	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	84.5	88.1	4.11	89.5	89.7	0.221	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	89.6	93.5	4.25	95.7	95	0.800	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	76.4	79.1	3.45	83	81.3	2.08	60 - 130	30	60 - 130	30
Toluene	ND	0.050	96	102	6.35	109	109	0	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	98.7	105	5.83	105	108	2.59	60 - 130	30	60 - 130	30
%SS1:	94	0.12	90	90	0	88	88	0	70 - 130	30	70 - 130	30
%SS2:	98	0.12	79	80	1.31	85	84	1.31	70 - 130	30	70 - 130	30
%SS3:	103	0.012	95	93	2.33	90	92	2.95	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39588 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-001A	11/12/08 11:10 AM	11/12/08	11/12/08 8:47 PM	0811385-002A	11/12/08 11:45 AM	11/12/08	11/12/08 9:29 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

AR QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil/Sludge QC Matrix: Soil WorkOrder 0811385

EPA Method 6020A **Extraction SW3050B** **BatchID: 39586** **Spiked Sample ID 0811347-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.54	50	104	105	0.988	10	101	98.9	1.72	70 - 130	20	80 - 120	20
Arsenic	4.4	50	102	102	0	10	103	100	2.75	70 - 130	20	80 - 120	20
Barium	160	500	102	104	1.50	100	98.9	96.9	1.97	70 - 130	20	80 - 120	20
Beryllium	0.53	50	92.4	92.2	0.171	10	101	99.9	1.51	70 - 130	20	80 - 120	20
Cadmium	ND	50	99.9	101	0.877	10	99.7	97.1	2.66	70 - 130	20	80 - 120	20
Chromium	180	50	NR	NR	NR	10	107	105	2.07	70 - 130	20	80 - 120	20
Cobalt	35	50	91	88.1	1.80	10	102	101	0.395	70 - 130	20	80 - 120	20
Copper	33	50	87.3	85.7	0.996	10	104	101	2.34	70 - 130	20	80 - 120	20
Lead	6.2	50	99.7	100	0.640	10	101	98.7	2.26	70 - 130	20	80 - 120	20
Mercury	0.21	1.25	99.9	100	0.479	0.25	99.6	97.9	1.74	70 - 130	20	80 - 120	20
Molybdenum	ND	50	99	100	1.38	10	95.5	94.5	1.08	70 - 130	20	80 - 120	20
Nickel	330	50	NR	NR	NR	10	103	102	1.17	70 - 130	20	80 - 120	20
Selenium	ND	50	99.5	100	0.918	10	103	100	2.36	70 - 130	20	80 - 120	20
Silver	ND	50	109	110	1.01	10	109	109	0	70 - 130	20	80 - 120	20
Thallium	ND	50	104	105	0.267	10	98.3	96.2	2.08	70 - 130	20	80 - 120	20
Vanadium	77	50	NR	NR	NR	10	106	104	1.80	70 - 130	20	80 - 120	20
Zinc	52	500	99.9	101	1.42	100	100	97.4	2.82	70 - 130	20	80 - 120	20
%SS:	121	250	103	100	3.00	250	97	97	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39586 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-001A	11/12/08 11:10 AM	11/12/08	11/13/08 9:42 PM	0811385-002A	11/12/08 11:45 AM	11/12/08	11/13/08 9:50 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil/Sludge QC Matrix: Soil BatchID: 39559 WorkOrder 0811385

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811318-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	91.3	91.5	0.295	89.4	94.6	5.61	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	106	2.02	98.6	99.3	0.731	70 - 130	20	70 - 130	20
Benzene	ND	0.10	85.4	86.9	1.73	82.3	88.5	7.36	70 - 130	20	70 - 130	20
Toluene	ND	0.10	95	96	0.968	91.4	98.5	7.47	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.7	94.8	1.16	90	97.1	7.66	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	104	104	0	99.1	108	8.17	70 - 130	20	70 - 130	20
%SS:	90	0.10	79	92	15.4	79	81	2.68	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39559 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-001A	11/12/08 11:10 AM	11/12/08	11/13/08 8:14 AM	0811385-002A	11/12/08 11:45 AM	11/12/08	11/13/08 8:47 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil/Sludge QC Matrix: Soil BatchID: 39606 WorkOrder: 0811385

EPA Method: SW8015B **Extraction: SW3550C/3630C** **Spiked Sample ID: 0811385-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	1.3	20	94.4	94.7	0.228	97.9	98	0.113	70 - 130	30	70 - 130	30
%SS:	89	50	107	108	0.437	108	107	0.905	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39606 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-001A	11/12/08 11:10 AM	11/12/08	11/13/08 12:53 AM	0811385-002A	11/12/08 11:45 AM	11/12/08	11/14/08 8:39 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

SLH QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	11/12/08
		Date Received:	11/12/08
	Client Contact: Randall Young	Date Reported:	11/14/08
	Client P.O.:	Date Completed:	11/19/08

WorkOrder: 0811385

November 19, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RUSH

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: 24 HOURS | 48 HOUR ☒ | 24 HOURS | Normal | Others:

LABORATORY: McCampbell

Date: 11/12/09

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC CR per email 11-17-09 24 hr TAT	Other	Comments
AEW 709	Doyle Drive	11/12/09	11:45	1	SS		X				X										X		
AEW 728	↓	↓	11:50	1	SS		X				X										X		
AEW 749			11:30	1	SS		X				X										X		
AEW 750			11:35	1	SS		X				X										X		
AEW 751		↓	11:40	1	SS		X				X										X		

Composite 76

Relinquished By:	Date:	Time:	Received By:
J. LaPlante	11/12/09	12:45	

Remarks:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 081138 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☑ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 2 days
Date Received: 11/12/2008
Date Add-On: 11/17/2008
Date Printed: 11/17/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811385-002	Composite 76	Soil	11/12/2008 11:45	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 48hr rush---Added STLC CR on RUSH TAT per email 11/17/08.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/12/08
		Date Received: 11/12/08
	Client Contact: Randall Young	Date Extracted: 11/17/08-11/19/08
	Client P.O.:	Date Analyzed 11/19/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0811385

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0811385-002A	Composite 76	S	WET	0.18	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39695 WorkOrder 0811385

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	106	101	4.82	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39695 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811385-002A	11/12/08 11:45 AM	11/17/08	11/19/08 6:08 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	11/17/08
		Date Received:	11/17/08
	Client Contact: Randall Young	Date Reported:	11/18/08
	Client P.O.:	Date Completed:	11/18/08

WorkOrder: 0811511

November 18, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811511

RUSH

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☒ ☐ Others:

LABORATORY: McCampbell

24 HOURS | 48 HOUR | 24 HOURS | Normal

Date: 11/17/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. LaPlante Project No.: 2007-014
Sampler: Signature: J. LaPlante Bill To: Randy Young
Reporting Requirement: Hard Copy : Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic : Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs (8260B)	Other	Comments
AEW-615	Doyle Drive	11/17/08	11:20	1	SS				X		X				X	X						

Composite 77

Relinquished By: J. LaPlante Date: 11/17/08 Time: 13:05 Received By:
Relinquished By: Date: 11/17/08 Time: 16:15 Received By: Cher Vg

Remarks:

ICE / t° 7.4
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION ____ VOAS | O & G | METALS | OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811511 **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 1 day

Date Received: **11/17/2008**
Date Printed: **11/17/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811511-001	Composite 77	Soil	11/17/2008 11:20	☐	A	A	A									

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 24hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEW Engineering, Inc.**

Date and Time Received: **11/17/08 4:12:54 PM**

Project Name: **#2007-014; Doyle Drive, San Francisco**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0811511** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/17/08
55 New Montgomery St, Ste 722		Date Received: 11/17/08
	Client Contact: Randall Young	Date Extracted: 11/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/18/08

CAM / CCR 17 Metals*

Lab ID	0811511-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Composite 77					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0811511

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	2.3				0.5	NA
Barium	38				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	ND				0.25	NA
Chromium	70				0.5	NA
Cobalt	6.3				0.5	NA
Copper	10				0.5	NA
Lead	19				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	43				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	45				0.5	NA
Zinc	24				5.0	NA
%SS:	95					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/17/08
55 New Montgomery St, Ste 722		Date Received: 11/17/08
	Client Contact: Randall Young	Date Extracted: 11/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 11/17/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0811511

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Composite 77	S	ND	ND	ND	ND	ND	ND	1	80

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

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Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc.	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/17/08
55 New Montgomery St, Ste 722		Date Received: 11/17/08
	Client Contact: Randall Young	Date Extracted: 11/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 11/18/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015B Work Order: 0811511

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0811511-001A	Composite 77	S	3.1,e7,e2	23	1	118

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0811511

EPA Method 6020A **Extraction SW3050B** **BatchID: 39701** **Spiked Sample ID 0811504-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.67	50	91.4	93.5	2.17	10	92.1	93.4	1.44	70 - 130	20	80 - 120	20
Arsenic	5.2	50	94.3	96	1.57	10	92.9	94.8	2.04	70 - 130	20	80 - 120	20
Barium	220	500	98.6	101	1.61	100	96.2	98	1.79	70 - 130	20	80 - 120	20
Beryllium	ND	50	80	81.9	2.35	10	87	88.8	2.08	70 - 130	20	80 - 120	20
Cadmium	18	50	92.4	94	1.23	10	92.7	92.8	0.108	70 - 130	20	80 - 120	20
Chromium	50	50	95.2	98.3	1.60	10	102	103	1.47	70 - 130	20	80 - 120	20
Cobalt	10	50	93	94.7	1.46	10	91.5	93.9	2.66	70 - 130	20	80 - 120	20
Lead	130	50	105	108	0.772	10	96.2	96.8	0.653	70 - 130	20	80 - 120	20
Mercury	0.054	1.25	94.9	97.1	2.23	0.25	95.7	96.6	0.868	70 - 130	20	80 - 120	20
Molybdenum	ND	50	90.1	92.2	2.35	10	90.3	92.2	2.10	70 - 130	20	80 - 120	20
Nickel	50	50	91.7	94.5	1.46	10	91.6	93.2	1.71	70 - 130	20	80 - 120	20
Selenium	ND	50	94.4	99.4	5.13	10	96.6	96	0.571	70 - 130	20	80 - 120	20
Silver	ND	50	101	104	2.24	10	88.5	89.9	1.60	70 - 130	20	80 - 120	20
Thallium	ND	50	97	98.8	1.81	10	93.2	94	0.876	70 - 130	20	80 - 120	20
Vanadium	43	50	97.9	102	2.07	10	104	104	0	70 - 130	20	80 - 120	20
Zinc	3500	500	110	122	1.55	100	91.6	92.2	0.653	70 - 130	20	80 - 120	20
%SS:	96	250	98	99	1.14	250	94	97	3.05	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39701 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811511-001A	11/17/08 11:20 AM	11/17/08	11/18/08 12:32 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39615 WorkOrder: 0811511

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0811388-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	96	98.2	2.28	90.9	92.8	2.10	70 - 130	20	70 - 130	20
MTBE	ND	0.10	101	85.4	16.9	89.6	96.2	7.03	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94	102	7.87	88.5	91.4	3.23	70 - 130	20	70 - 130	20
Toluene	ND	0.10	86.9	91.4	4.98	86.1	88.9	3.21	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	94.2	103	9.31	91.2	93.7	2.66	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	89.5	96.4	7.40	100	103	2.81	70 - 130	20	70 - 130	20
%SS:	99	0.10	88	96	8.30	83	97	15.6	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39615 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811511-001A	11/17/08 11:20 AM	11/17/08	11/17/08 11:56 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39700 WorkOrder: 0811511

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0811504-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	1200	20	NR	NR	NR	104	105	1.47	70 - 130	30	70 - 130	30
%SS:	109	50	80	91	13.1	111	111	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39700 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811511-001A	11/17/08 11:20 AM	11/17/08	11/18/08 12:42 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

_____ QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled:	11/17/08
		Date Received:	11/17/08
	Client Contact: Randall Young	Date Reported:	11/18/08
	Client P.O.:	Date Completed:	11/24/08

WorkOrder: 0811511

November 24, 2008

Dear Randall:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#2007-014; Doyle Drive, San Francis**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0811511

RUSH

AEW ENGINEERING, INC.
55 New Montgomery Street, Suite 507, San Francisco, CA 94105
Telephone: (415) 495-8400 Fax: (415) 358-5598

CHAIN OF CUSTODY RECORD

Page 1 of 1

TURN AROUND TIME ☒ 24 HOURS ☐ 48 HOUR 24 HOURS Normal

Others:

LABORATORY: McCampbell

Date: 11/17/08

Report To: Randy Young eMail: ryoung@aewengineering.com
Company: AEW Engineering, Inc. Project No.: 2007-014
Project Name: Doyle Drive Location: San Francisco
Sampler: J. Lehrter Project No.: 2007-014
Sampler: Signature: J. Lehrter Bill To: Randy Young
Reporting Requirement: Hard Copy: Yes ☒ No ☐
PDF File: Yes ☒ No ☐ Electronic: Yes ☒ No

SAMPLE ID	LOCATION	Sampling Date	Sampling Time	# of Containers	Type of Container	Matrix: Water	Soil	Air	Sludge	Other	Method Perserved: Ice	HCl	HNO_3	Other	TPH-Gas/BTEX/MTBE	TPH-Diesel/Motor Oil with Silica Gel cleanup	CAM 17 Metals	PCBs	PAHs	VOCs 8260B	STLC CR RUSH TAT 11-19-08	Other	Comments
AEW-615	Doyle Drive	11/17/08	11:20	1	SS				X		X					X	X				⊗		

Composite 77

Relinquished By: J. Lehrter Date: 11/17/08 Time: 13:05 Received By:
Relinquished By: Date: 11/17/08 Time: 4:15 Received By: Cher V 8

Remarks:

ICE / t° 7.4
GOOD CONDITION ___ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION ___ VOAS | O & G | METALS | OTHER

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 081151 A **ClientCode: AEW**

☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Randall Young
AEW Engineering, Inc.
55 New Montgomery St, Ste 722
San Francisco, CA 94105
(415) 495-8401 FAX (415) 358-5598

Email: ryoung@aewengineering.com
cc:
PO:
ProjectNo: #2007-014; Doyle Drive, San Francisco

Bill to:
Kenneth Leung
AEW Engineering, Inc.
55 New Montgomery St, Ste 507
San Francisco, CA 94105

Requested TAT: 1 day
Date Received: 11/17/2008
Date Add-On: 11/19/2008
Date Printed: 11/19/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0811511-001	Composite 77	Soil	11/17/2008 11:20	☐	A											

Test Legend:

1	STLC_METALS_Soil	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 24hr rush----RUSH add-on for STLC CR per email.11/19/08

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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AEW Engineering, Inc. 55 New Montgomery St, Ste 722 San Francisco, CA 94105	Client Project ID: #2007-014; Doyle Drive, San Francisco	Date Sampled: 11/17/08
		Date Received: 11/17/08
	Client Contact: Randall Young	Date Extracted: 11/19/08-11/21/08
	Client P.O.:	Date Analyzed 11/21/08

ICP Metals*

Extraction method CA Title 22 Analytical methods SW6010C Work Order: 0811511

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0811511-001A	Composite 77	S	WET	0.13	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.05	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 39695 WorkOrder 0811511

EPA Method SW6010C **Extraction CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	1	N/A	N/A	N/A	106	101	4.82	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39695 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811511-001A	11/17/08 11:20 AM	11/19/08	11/21/08 5:29 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

APPENDIX B

APPROVED WASTE PROFILE/ACCEPTANCE APPLICATION

Sludge

Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

Requested Disposal Facility Kettleman Hills (Hazardous Waste Profile Number 104666CA

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: California Department of Transportation
2. Site Address: Hwy 101 / Doyle Drive
3. City/ZIP: Presidio / San Francisco, 94129
4. State: California
5. County: San Francisco
6. Contact Name/Title: Ray Boyer
7. Email Address: _____
8. Phone: 510-286-5668
9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: 20108-1

1. Customer Name: Intrinsic Transportation, Inc.
2. Billing Address: 2225 Challenger Way, Suite 100
3. City, State and ZIP: Santa Rosa, California, 95407
4. Contact Name: Lisa M. Levang
5. Contact Email: llevang@intrinsictrans.com
6. Phone: 707-578-0960 FAX: 707-578-5408
7. Transporter Name: Intrinsic Transportation, Inc.
8. Transporter ID # (if appl.): 4797
9. Transporter Address: 2225 Challenger Way, Suite 100
10. City, State and ZIP: Santa Rosa, California, 95407

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Non-Hazardous Sludge
   State Waste Code(s): N/A
   b. Describe Process Generating Waste or Source of Contamination:
   Geotechnical Drilling Exploration
   c. Typical Color(s): Varies
   d. Strong Odor? ☐ Yes ☑ No Describe: _____
   e. Physical State at 70°F: ☐ Solid ☐ Liquid ☐ Powder ☑ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____
   h. Free Liquid Range (%): 1 to 25 ☐ NA(solid)
   i. pH Range: ☐ ≤2 ☑ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☑ ≥ 140°F ☐ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☑ (See Attached)

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil	50	%	99	%
2. Paper, Plastic, PPE	0	%	1	%
3. Water	1	%	50	%
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 500 ☐ Tons ☐ Cubic Yards ☑ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: 500 Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Level D

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Generator's Nonhazardous Waste Profile Sheet

104666CA

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☑ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: Ray Boyer **Title:** District Branch Chief

X **Company Name:** Caltrans **Name (Print):** Ray Boyer

Date: 2/4/08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

_____

_____

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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Solid

Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

Requested Disposal Facility Kettleman Hills (Hazardous Waste Profile Number 104665CA

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: California Department of Transportation
2. Site Address: Hwy 101/Doyle Drive
3. City/ZIP: Presidio / San Francisco, 94129
4. State: California
5. County: San Francisco
6. Contact Name/Title: Ray Boyer
7. Email Address:
8. Phone: 510-286-5668
9. FAX:
10. NAICS Code:
11. Generator USEPA ID #:
12. State ID# (if applicable):

B. Customer Information ☐ same as above

P. O. Number: 20108

1. Customer Name: Intrinsic Transportation, Inc.
2. Billing Address: 2225 Challenger Way, Suite 100
3. City, State and ZIP: Santa Rosa, California, 95407
4. Contact Name: Lisa M. Levang
5. Contact Email: llevang@intrinsictrans.com
6. Phone: 707-578-0960 FAX: 707-578-5408
7. Transporter Name: Intrinsic Transportation, Inc.
8. Transporter ID # (if appl.): 4797
9. Transporter Address: 2225 Challenger Way, Suite 100
10. City, State and ZIP: Santa Rosa, California, 95407

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Non-Hazardous Solid
   State Waste Code(s): N/A
   b. Describe Process Generating Waste or Source of Contamination:
   Geotechnical Drilling Exploration
   c. Typical Color(s): Varies
   d. Strong Odor? ☐ Yes ☑ No Describe:
   e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other:
   f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☑ No If Yes, Describe:
   h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)
   i. pH Range: ☐ ≤2 ☐ 2.1-12.4 ☐ ≥12.5 ☑ NA(solid) ☐ Actual:
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual:
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☑ (See Attached)

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil	95	%	100	%
2. Paper, Plastic, PPE	0	%	5	%
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 150 ☐ Tons ☐ Cubic Yards ☑ Drums ☐ Gallons ☐ Other (specify):
   c. Shipping Frequency: 150 Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No
   e. USDOT Shipping Description (if applicable):
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Level D

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WASTE MANAGEMENT

Generator's Nonhazardous Waste Profile Sheet

104665CA

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☑ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

X **Certification Signature:** Ray Boyer **Title:** District Branch Chief

Company Name: Caltrans **Name (Print):** Ray Boyer

Date: 2/4/08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation ☐ Non-hazardous solidification ☐ Other: _____

Approval Decision: ☐ Approved ☐ Not Approved

Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

_____

_____

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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Cop. 9-11

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility Kettleman Hills (Hazardous Waste Profile Number 106454CA

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: California Department of Transportation
2. Site Address: Hwy 101 / Doyle Drive
3. City/ZIP: Presidio / San Francisco, 94129
4. State: California
5. County: San Francisco
6. Contact Name/Title: Ray Boyer
7. Email Address: _____
8. Phone: 510-286-5668
9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: 82708

1. Customer Name: Intrinsic Transportation, Inc.
2. Billing Address: 2225 Challenger Way, Suite 100
3. City, State and ZIP: Santa Rosa, California, 95407
4. Contact Name: Lisa M. Levang
5. Contact Email: llevang@intrinsictrans.com
6. Phone: 707-578-0960 FAX: 707-578-5408
7. Transporter Name: Intrinsic Transportation, Inc.
8. Transporter ID # (if appl.): 4797
9. Transporter Address: 2225 Challenger Way, Suite 100
10. City, State and ZIP: Santa Rosa, California, 95407

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Non-Hazardous Liquid
   State Waste Code(s): N/A
   b. Describe Process Generating Waste or Source of Contamination:
   Geotechnical Drilling Exploration
   c. Typical Color(s): Varies
   d. Strong Odor? ☐ Yes ☑ No Describe: _____
   e. Physical State at 70°F: ☐ Solid ☑ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____
   h. Free Liquid Range (%): 95 to 100 ☐ NA(solid)
   i. pH Range: ☐ ≤2 ☑ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☑ Actual: 5-9
   j. Liquid Flash Point: ☐ < 140°F ☑ ≥ 140°F ☐ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☑ (See Attached)

Constituents (Total Composition Must be > 100%)				
1. Water	95	x	100	x
2. Sediment	0	x	5	x
3.				x
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ One Time Event ☐ Base ☐ Repeat Event
   b. Estimated Annual Quantity: 45 ☐ Tons ☐ Cubic Yards ☑ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: All Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Level D

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Generator's Nonhazardous Waste Profile Sheet

106454CA

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☑ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

X **Certification Signature:** [signature] **Title:** ASSOCIATE TRANSPORTATION ENGINEER

Company Name: CALTRANS **Name (Print):** AUTAR KAUL

Date: 9/29/2008

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

_____

_____

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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WM CHEMICAL WASTE MANAGEMENT, INC. - KETTLEMAN HILLS FACILITY
SUBPART DD - VOHAP FORM

TO: _____ FROM: _____

FAX: _____ PHONE #: _____

NO. OF PAGES FAXED: _____

The San Joaquin Valley Air Pollution Control District has issued the Final Title V Permit for Chemical Waste Management, Inc. (aka Waste Management - Kettleman Hills Facility).

This Permit impacts the Non-RCRA and Non-Hazardous waste streams that the Kettleman Hills Facility receives for processing at the Final Stabilization Unit or for disposal in our Surface Impoundments.

To ensure compliance with the Title V Permit requirements, we require our customers to complete the questionnaire/certification below. If you have questions on how to complete this certification form please contact your Technical Service Representative.

Please complete, sign and fax to 559-386-6109. Attention: _____
Thank you for your time and cooperation.

PROFILE #: 106454 CA **GENERATOR:** CA Dept. of Transportation

PROCESS: **SOLIDIFICATION** ☒ **PONDING** ☐

1. Does your waste stream contain VOHAPs (Volatile Organic Hazardous Air Pollutants) as referenced in 40 CFR Part 63 Subpart DD Table 1 *(reference the attached Table)* ?

☒ **NO** If no, question #2 is not required to be completed

☐ **YES** If yes, mark the constituents on the Subpart DD Table attached and add corresponding concentration. Attach most recent analysis, if any. Proceed to question #2.

2. Does your waste stream contain VOHAP exceeding 500 ppm? Provide available analysis, if any.

☐ **NO**

☐ **YES**

"I hereby certify that the above information is true and accurate and any changes to the information provided will be disclosed to the CWM-Kettleman Hills Facility prior to shipment. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Subpart DD Form from information provided by the generator and additional information as it has determined to be reasonably necessary."

X _____ 9/29/2008
Signature Date

AUTAR KAUL, ASSOCIATE TRANSPORTATION ENGINEER. CALTRANS
Print Name and Title Company Name

WASTE MANAGEMENT

Generator's Hazardous Waste Profile Sheet

Service Agreement on file? ☐ Yes ☐ No Profile Number CA301612

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

☑ Check here if a Certificate of Destruction or Disposal is required

Requested Disposal Facility Kettleman Hills (Hazardous Waste Facility)

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: California Department of Transportation
2. Site Address: Hwy 101 / Doyle Drive
3. City/ZIP: Presidio / San Francisco, 94129
4. State: California
5. County: _____
6. Contact Name/Title: Ray Boyer
7. Email Address: _____
8. Phone: 510-286-5668
9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: CAC002627524
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: _____

1. Customer Name: Intrinsic Transportation, Inc.
2. Billing Address: 2225 Challenger Way, Suite 100
3. City, State and ZIP: Santa Rosa, California, 95407
4. Contact Name: Lisa M. Levang
5. Contact Email: llevang@intrinsictrans.com
6. Phone: 707-578-0960 FAX: 707-578-5408
7. Transporter Name: Intrinsic Transportation, Inc.
8. Transporter ID # (if appl.): 4797
9. Transporter Address: 2225 Challenger Way, Suite 100
10. City, State and ZIP: Santa Rosa, California, 95407

C. Waste Stream Information

☐ USEPA Hazardous ☑ State Hazardous ☐ TSCA ☑ Non-Hazardous

1. Description
   a. Name of Waste: Sludge/liquid contaminated with Barium
   b. Process Generating Waste: Geotechnical Drilling Exloration
   c. Color: Varies
   d. Strong Odor (describe): Mild
   e. Physical State at 70°F: ☐ Solid ☐ Liquid ☐ Gas ☑ Sludge ☐ Other: _____
   f. Layers? ☑ Single layer ☐ Multi- layer
   g. Free Liquid Range (%) 1 to 35 Specific Gravity: _____ Viscosity: _____ BTU/lb: _____
   h. pH Range: 4 to 9
   i. Liquid Flash Point: ☐ < 73°F ☐ 73°-99°F ☐ 100°-139°F ☐ 140°-199°F ☑ > 200°F ☐ N/A
2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to question f ☐ Yes ☑ No
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U)
   b. If a characteristic hazardous waste, do underlying hazardous constituents(UHCs) apply-(40 CFR 268.48)? ☐ Yes ☐ No
   (if yes, list in Section C.2.j)
   c. Is the waste subject to RCRA Subpart CC Controls-(40 CFR 264.1083 & 265.1084)? ☐ Yes ☑ No ☐ ? Click for Add'l Info
      If no, does the waste meet the organic LDR Exemption? ☑ Yes ☐ No
      If no, does the waste contain <500 ppm volatile organic (VOC's)? ☑ Yes ☐ No
      Volatile organic concentration _____ ppm
   d. Is the waste predominately debris subject to the Alternate Debris Standards (40 CFR 268.45)? ☐ Yes ☑ No
   e. Is the waste predominately soil subject to the Alternate Soil Treatment Standards-(40 CFR 268.49)? ☑ Yes ☐ No
      If yes, will Underlying Hazardous Constituents apply? (list in C.2.j) ☐ Yes ☑ No
   f. Does the waste represented by this profile contain asbestos? ☐ Yes ☑ No
      If yes, ☐ Friable ☐ Non-Friable
   g. Does the waste represented by this profile contain benzene? ☐ Yes ☑ No
      Is this subject to Benzene Operations Waste NESHAP (40 CFR Part 61 Subpart FF)? ☐ Yes ☐ No
      If yes, complete Beneze Waste Operations NESHAP (BWON) questionaire

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WASTE MANAGEMENT

Generator's Hazardous Waste Profile Sheet

Profile Number CA301612

C. Waste Stream Information (continued)

h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No

If yes, does the waste contain <500 ppm VOHAPs at the point of determination? ☐ Yes ☐ No

i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - C.2.j) ☐ Yes ☑ No

Were the PCBs imported into the U.S.? ☐ Yes ☐ No

Are PCBs regulated under the "Self-Implementing Remediation Section of (Mega) Rule?" 40CFR 761,61(a) ☐ Yes ☐ No

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis): ☑ (See Attached - for entering additional constituents)

Constituents *(Total Composition Must be > 100%)*	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil	50	%	99	%
2. Paper, Plastic, PPE	0	%	5	%
3. Water	1	%	50	%
4. Barium (TTLC)	9300	ppm	12000	ppm
5. Barium (TCLP)	ND	ppm	1.2	ppm
6.				

k. Check any that apply: ☐ Pyrophoric ☐ Water Reactive ☐ OSHA Carcinogen ☐ Shock Sensitive ☐ Oxidizer ☐ Infectious

l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP? ☐ Yes ☑ No

If yes, is it a Table 8 _____ or Table 9 _____ compound?

m. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No

Is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No

If NORM, identify isotopes and concentration, _____ pCi/g

n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐ Yes ☑ No

If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up for activity.

For state mandated clean-up, provide relevant documentation.

o. Is this a State Hazardous Waste? ☑ Yes ☐ No If yes, please list applicable codes 491

If NY waste codes B001-B007 apply, please complete question C.2.c on page 1.

D. DOT Information and Shipping Volume

1. Quantity of Waste

a. ☑ Event ☐ Base/Ongoing (check one)

b. Estimated Annual Quantity: 100 ☐ Tons ☐ Yards ☑ Drums ☐ Other (specify) _____

c. Shipping Frequency: Units: 100 Per: ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other _____

2. Shipping Information

a. Packaging:

☐ Roll off/End dump: _____ ☐ Other: _____

☑ Drum Type/Size: DM-55 ☐ Vacuum Box

☐ Tanker ☐ Super Sack ☐ Tote Bin ☐ Cubic Yard Boxes

b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip c, d and e) ☐ Yes ☑ No

c. Reportable Quantity (lbs.; kgs.): _____ d. Primary/Subsidiary Hazard Class(es)/ID#: _____

e. USDOT Shipping Name: Non-RCRA Hazardous Waste, Liquid PG: _____

E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. All relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste will be disclosed to the contractor. All changes which occur in the character of the waste will be identified by the Generator and be disclosed to the Contractor prior to providing the waste to the Contractor.

Certification Signature: Ray Boyer Title: District Branch Chief

Name (Type or Print): Ray Boyer Company Name: Caltrans Date: 3/19/08

☑ Check if additional information is attached. Indicate the number of attached pages ____

APPENDIX C

SIGNED WASTE MANIFESTS

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
2. Page 1 of: 1
3. Emergency Response Phone: 800-321-1030
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland CA 94623
Generator's Phone: 510-286-5868

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco CA 94129

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711

U.S. EPA ID Number
CAT000646117

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous Waste, Liquid (drilling sludge/soil)	4/RY 60	DM	30,000	~~lbs~~ P	
2.	Non-Regulated Material	52 RY	DM	1400	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile 9-1 104666CA (Drilling Sludge/Soil)
Profile 9-2 104666CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt (CT)
Signature:
Month Day Year: 12 14 06

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Keith Banks
Signature:
Month Day Year: 12 14 06

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A

2. Page 1 of 1

3. Emergency Response Phone: 800-321-1030

4. Waste Tracking Number:

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5668

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
35251 Old Skyline Road
Kettleman City, CA 93239
559-386-9711
Facility's Phone:
U.S. EPA ID Number: CAT000646117

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Hazardous Waste, Liquid (drilling sludge/soil)	60	DM	30,000	~~P~~ RY
2.	Non-Regulated Material	9	DM	2,700	P
3.					
4.					

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile: 9-1 104666CA (Drilling Sludge/Soil)
Profile: 9-2 104665CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt — Signature: [signature] — Month 05 Day 1 Year 08

GENERATOR

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: KEITH BANKS — Signature: [signature] — Month 05 Day 19 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month Day Year

COPY

NH04040801

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A	1	800-321-1030	

GENERATOR

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5563

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: NRCES — U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Non-Hazardous Waste, Liquid (drilling sludge/soil)	62	DM	31,000	P	
2. ~~Non Regulated Material~~		~~DM~~			
3.					
4.					

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
Profile: 9-1 104666CA (Drilling Sludge/Soil)
~~Profile: 9-2 104665CA (Non-Regulated Soil)~~

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt — Signature: [signature] — Month 04 Day 03 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: KEITH BANKS — Signature: [signature] — Month 04 Day 03 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [illegible] — Signature: [signature] — Month Day Year 040408

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627524
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1030
4. Manifest Tracking Number: 002071355 JJK

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: ~~510-285-5559~~

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: NRCES
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste, Liquid, (Soil/Sludge c/w 9300-11000 mg/kg Barium)	2	DM	1050	P	491		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
ERG #: N/A
Drum #'s: AEW-028 and AEW-031.
Profile #: CA301612 (Soil/Sludge c/w 9300-11000 mg/kg Barium)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month Day Year: 04 03 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: KEITH BANKS
Signature:
Month Day Year: 04 03 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year: 04 04 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627624
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1030
4. Waste Tracking Number: 42308

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland CA 94623
Generator's Phone: 510-286-6556

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: NRC ES
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.
1. Non-Hazardous Waste, Liquid (drilling sludge/soil)	~~69~~ 70 RY	DM	34500	P
2. Non-Regulated Material	~~3~~ 2 RY	DM	1500	P
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile: 9-1 104665CA (Drilling Sludge/Soil)
Profile: 9-2 104665CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month 04 Day 23 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Keith Banks
Signature:
Month 04 Day 23 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
CAC002627524	1	800-321-1030	

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-6553

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: Yosemite Transport — U.S. EPA ID Number: CBD000695775

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Waste, Liquid (drilling sludge/soil)	60	DM	30,000	P
2. ~~Non-Regulated Material~~ SM		~~DM~~	SM	
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile: 9-1 104565CA (Drilling Sludge/Soil)
~~Profile: 9-2 104565CA (Non-Regulated Soil)~~ SM

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt — Signature: [signature] — Month 05 Day 15 Year 08

GENERATOR

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [signature] — Month 05 Day 15 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. *Alternate Facility* (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: [illegible]
2. Page 1 of: 1
3. Emergency Response Phone: [illegible]
4. Manifest Tracking Number: 003884971 JJK

GENERATOR

5. Generator's Name and Mailing Address: California Department of Transportation, [illegible] Grand Avenue, [illegible]
Generator's Site Address (if different than mailing address): [illegible]
Generator's Phone: [illegible]

6. Transporter 1 Company Name: [illegible]
U.S. EPA ID Number: [illegible]

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: [illegible]
U.S. EPA ID Number:
Facility's Phone: [illegible]

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. [illegible]	11	[illegible]	5510	[illegible]	[illegible]		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
[illegible] Wear Proper Clothing When Handling Material
[illegible] and [illegible]
[illegible] 1512 (Sludge [illegible])

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature: [illegible]
Month: 05 Day: 15 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature: [illegible]
Month: [illegible] Day: [illegible] Year: [illegible]
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. [illegible] 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627524
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1030
4. Waste Tracking Number: 7080701

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5666

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: NRC ENVIRONMENTAL SERVICES
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous Waste, Liquid (drilling sludge/soil)	52	DM	26000	P	
2.	Non-Regulated Material	2	DM	1,000	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile: 9-1 104666CA (Drilling Sludge/Soil)
Profile: 9-2 104666CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month 07 Day 08 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARCO ARZIZO
Signature:
Month 07 Day 08 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

GENERATOR'S/SHIPPER'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA0002627524
2. Page 1 of: 1
3. Emergency Response Phone: 800-321-1030
4. Manifest Tracking Number: 003880592 JJK

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5555

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: NRC ENVIRONMENTAL SERVICES
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste, Liquid, (Soil/Sludge c/w 9300-11000 mg/kg Barium)	9	DM	4500	P	491		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
ERG # N/A

Profile # CA301612 (Soil/Sludge c/w 9300-11000 mg/kg Barium)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month Day Year: 07 08 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARCO ARVIZO
Signature:
Month Day Year: 07 07 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year: 07 09 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA000262524
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1030
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5966

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: Lutzed Trucking
U.S. EPA ID Number: CAL000003715

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Waste, Liquid (drilling sludge/soil)	24	DM	17000	P
2. Non-Regulated Material	1	DM	500	P
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing when Handling Material
Profile: 9-1 104666CA (Drilling Sludge/Soil)
Profile: 9-2 104665CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month 7 Day 18 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MICHAEL C. HARDSON
Signature:
Month 7 Day 10 Year 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month Day Year

GENERATOR'S/SHIPPER'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC000527524

2. Page 1 of 1

3. Emergency Response Phone: 800-321-1020

4. Manifest Tracking Number: 003880594 JJK

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5555

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: LITREL TRUCKING
U.S. EPA ID Number: CAR000003715

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste, Liquid, (Soil/Sludge c/w 9300-11000 mg/kg Barium)	40	DM	20000	P	491		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
ERG # N/A
Profile # CA301512 (Soil/Sludge c/w 9300-11000 mg/kg Barium)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month Day Year: 7 18 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature:
Month Day Year: 7 18 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature:
Month Day Year: 07 18 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627524

2. Page 1 of 1

3. Emergency Response Phone: 800-321-1030

4. Waste Tracking Number:

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5868

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: LUTRE TRUCKING
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous Waste, Liquid (drilling sludge/soil)	63	DM	31500	P	
2.	Non-Regulated Material	5	DM	2500	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile: 9-1 104666CA (Drilling Sludge/Soil)
Profile: 9-2 104666CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month 08 Day 07 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible]
Signature:
Month [illegible] Day [illegible] Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month Day Year

COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA0002507504
2. Page 1 of 1
3. Emergency Response Phone: 800-231-1030
4. Manifest Tracking Number: 003880801 JJK

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5558

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: LUTHEL TRUCKING
U.S. EPA ID Number: CAR000003715

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste, Liquid, (Soil/Sludge c/w 9300-11000 mg/kg Barium)	10	DM	5000	P	491		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
ERG #: N/A

Profile #: CA301612 (Soil/Sludge c/w 9300-11000 mg/kg Barium)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David Nosbitt
Signature:
Month 08 Day 07 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: WES WALKER
Signature:
Month 08 Day 07 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H130 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature:
Month 08 Day 07 Year 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627524
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1030
4. Waste Tracking Number: 82801

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-6558

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: LUTZ TRUCKING
U.S. EPA ID Number: CAR000023715

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Waste, Liquid (drilling sludge/soil)	30	DM	15000	P
2. Non-Regulated Material	—	DM	—	—
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
Profile: 9-1 104665CA (Drilling Sludge/Soil)
Profile: 9-2 104665CA (Non-Regulated Soil)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month 8 Day 28 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: WIS KALUIK
Signature:
Month 8 Day 28 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

COPY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-321-1030	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
Transbay Joint Powers Authority
201 Mission Street, Suite 1950
San Francisco, CA 94105
Generator's Phone: 415-597-4620

Generator's Site Address (if different than mailing address)
60 Tehama
San Francisco, CA 94105

6. Transporter 1 Company Name: Fausche Transport — U.S. EPA ID Number: CAD000611952

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Hazardous Sludge	~~60~~ 62	DM	30,000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
Profile # 105468CA (Non-Hazardous Sludge)

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt — Signature: [signature] — Month 11 Day 3 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ed Fausche — Signature: [signature] — Month 11 Day 3 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month Day Year

COPY

UP79977 / 119

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CAC002627524	1	800-321-1030	

GENERATOR

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5868

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: Lutral Trucking
U.S. EPA ID Number: CAD000033715

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Sludge	63	DM	31,500	~~G~~ P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
ERG # N/A
Profile # 104666CA (sludge)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature
Month 11 Day 20 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dwayne Bles
Signature
Month 11 Day 20 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

COPY

UP79974 / 119

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627524
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1030
4. Waste Tracking Number:

GENERATOR

5. Generator's Name and Mailing Address
California Department of Transportation
111 Grand Avenue
Oakland, CA 94623
Generator's Phone: 510-286-5668

Generator's Site Address (if different than mailing address)
Hwy 101 / Doyle Drive / Presidio
San Francisco, CA 94129

6. Transporter 1 Company Name: Lodal Trucking
U.S. EPA ID Number: CAR000003715

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Sludge	45	DM	22,500	lb
2. Non-Hazardous Liquid	17	DM	7,000	lb
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
ERG # N/A
Profile # 104666CA (Sludge)
Profile # 106454CA (Liquid)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month Day Year: 11 21 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tony DiBello
Signature:
Month Day Year: 11 21 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month Day Year:

COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002627524
2. Page 1 of 1
3. Emergency Response Phone: 800-321-1020
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: California Department of Transportation, 111 Grand Avenue, Oakland, CA 94623
Generator's Phone: 510-286-5148

Generator's Site Address (if different than mailing address): Hwy 101/Doyle Drive/Presidio, San Francisco, CA 94129

6. Transporter 1 Company Name: Pacific Titan
U.S. EPA ID Number: CAD000[illegible]

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239
Facility's Phone: 559-386-9711

U.S. EPA ID Number: CAT000614117

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Sludge	5	DM	2,500	P
2. Non-Hazardous Liquid	1	DM	300	P
3. Non-Hazardous Solid	5	DM	2,500	P
4.				

13. Special Handling Instructions and Additional Information
Wear Proper Clothing when Handling Material.
1. Profile # 101466 CA (Sludge)
2. Profile # 106454 CA (Liquid)
3. Profile # 104665 CA (Solid)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: David Nesbitt
Signature:
Month 12 Day 23 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name:
Signature:
Month 12 Day 23 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

COPY