PHASE II SITE INVESTIGATION REPORT

Former Compton-Parmelee Armory
2320 North Parmelee Avenue
Compton, California

August 27, 2014

AVOCET
ENVIRONMENTAL, INC.

PHASE II SITE INVESTIGATION REPORT

Former Compton-Parmelee Armory
2320 North Parmelee Avenue
Compton, California 90222

August 27, 2014

PREPARED FOR

California Department of General Services
Real Estate Services Division
Asset Management Branch
707 Third Street, 5th Floor
West Sacramento, California 95605

PREPARED BY

Avocet Environmental, Inc.
1 Technology Drive, Suite C515
Irvine, California 92618-5302

Project No. 1348.002

AVOCET ENVIRONMENTAL, INC.

August 27, 2014 Project No. 1348.002

Mr. George Carollo
CALIFORNIA DEPARTMENT OF GENERAL SERVICES
Real Estate Services Division
Asset Management Branch
707 Third Street, 5th Floor
West Sacramento, California 95605

Phase II Site Investigation Report
Former Compton-Parmelee Armory
2320 North Parmelee Avenue
Compton, California 90222

Dear Mr. Carollo:

This report documents a Phase II site investigation at the approximately 5-acre former Compton-Parmelee Armory property at 2320 North Parmelee Avenue in Compton, California. The investigation was conducted under Contract No. 3162418, Amendment No. 23.

As always, Avocet Environmental, Inc. appreciates the opportunity to be of service to the California Department of General Services. If you have any questions about this report or require additional information, please do not hesitate to contact the undersigned at (949) 296-0977 Ext. 111 or at dsiren@avocetenv.com.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.

Deke C. Siren, P.G.
Project Manager

DCS:sh
Enclosure

P:\1348 Compton-Parmelee Armory\Phase II Rpt\Report\Compton-Parmelee_Phase II Rpt_2014-08-27.docx

1 Technology Drive, Suite C515 ▪ Irvine, California 92618-5302
Phone 949-296-0977 ▪ Fax 949-296-0978
www.avocetenv.com

TABLE OF CONTENTS

Page

TABLE OF CONTENTS ..... **i**

LIST OF TABLES ..... **iii**

LIST OF FIGURES ..... **iii**

LIST OF ABBREVIATIONS AND ACRONYMS ..... **iv**

1.0 INTRODUCTION **1**

1.1 OVERVIEW 1
1.1.1 Site History 1
1.1.2 Avocet Phase I ESA 2
1.2 PURPOSE AND SCOPE 3
1.3 REPORT ORGANIZATION 4

2.0 FIELD AND LABORATORY PROCEDURES **5**

2.1 HEALTH AND SAFETY 5
2.2 SUBSURFACE UTILITY CLEARANCE 5
2.3 SOIL BORINGS 5
2.3.1 Drilling and Soil Sampling 6
2.3.2 Soil Matrix Sample Analysis 6
2.3.3 Probe Installation 7
2.3.4 Leak Detection Testing 7
2.3.5 Soil Vapor Sampling 8
2.3.6 Soil Vapor Sample Analysis 8
2.4 BORING/PROBE ABANDONMENT 8
2.5 DATA EVALUATION 8

3.0 FINDINGS **10**

3.1 REC 1, FORMER WASTEWATER CLARIFIER 10
3.2 REC 2, CORRODED FLOOR AND DRAIN LINES 11
3.3 REC 3, FORMER HYDRAULIC LIFTS 13
3.4 OEF 5, DIESEL SURFACE SPILL 14
3.5 OEF 6, TRANSFORMER OIL SPILL 14
3.6 OEF 7, FORMER BOILER ROOM 15
3.7 OEF 8, FORMER POL BUILDING 16
3.8 PESTICIDES IN SOIL 16

4.0 SUMMARY AND CONCLUSIONS **18**

4.1 CADMIUM AND LEAD IN SOIL 20
4.2 ETHYL BENZENE IN SOIL VAPOR 20
4.3 REGULATORY AGENCY INVOLVEMENT 21

Page

REFERENCES **22**

TABLES

FIGURES

APPENDIX A: BORING LOGS

APPENDIX B: EUROFINS CALSCIENCE ANALYTICAL REPORTS

APPENDIX C: H&P ANALYTICAL REPORT

LIST OF TABLES

Table No.	Title
1	TPH in Soil Samples
2	VOCs in Soil Samples
3	SVOCs in Soil Samples
4	Metals in Soil Samples
5	PCBs in Soil Samples
6	Organochlorine Pesticides in Soil Samples
7	VOCs in Soil Vapor Samples

LIST OF FIGURES

Figure No.	Title
1	Site Location Map
2	Site Plan
3	Former OMS Building

LIST OF ABBREVIATIONS AND ACRONYMS

ASTM	ASTM International
bgs	below ground surface
Cal/EPA	California Environmental Protection Agency
CA ANG	California Air National Guard
CA ARNG	California Army National Guard
CHHSL	California Human Health Screening Level
Comsec	communications security
4,4-DDE	4,4-dichlorodiphenyldichloroethylene
DGS	California Department of General Services
1,1-DFA	1,1-difluoroethane
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
ESA	environmental site assessment
HASP	Health and Safety Plan
H&P	H&P Mobile Geochemistry
HREC	historical recognized environmental condition
LACoDPW	Los Angeles County Department of Public Works
LACoFD	Los Angeles County Fire Department
LARWQCB	California Regional Water Quality Control Board, Los Angeles Region
mg/kg	milligram per kilogram
mL	milliliter
mL/min	milliliter per minute
NFA	no further action
OEFs	other environmental features
OMS	Organizational Maintenance Shop
PCBs	polychlorinated biphenyls
POL	petroleum, oil, and lubricant
PPE	personal protective equipment
REC	recognized environmental condition
RSL	Regional Screening Level
SMU	Site Mitigation Unit
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbons
TPH-d	diesel range organics
TPH-o	oil range organics
µg/kg	microgram per kilogram
µg/L	microgram per liter
UST	underground storage tank
VOC	volatile organic compound

1.0 INTRODUCTION

This report documents a Phase II site investigation at the former Compton-Parmelee Armory at 2320 North Parmelee Avenue in Compton, California (the site). Avocet Environmental, Inc., (Avocet) conducted the investigation on behalf of the California Department of General Services (DGS), Real Estate Services Division under Contract No. 3162418, Amendment No. 23.

1.1 OVERVIEW

The approximately 5-acre[1] site is located in northwest Compton and is bordered to the north and west by Parmelee Avenue and Centennial High School; to the south by single-family homes; and to the east by Compton Creek, single-family homes, and McNair Elementary School. The site location is shown in Figure 1 and a site plan on an aerial photo base is presented in Figure 2. The site is currently zoned for low-density residential development use. The easternmost 50 feet of the site, along the west bank of Compton Creek, is a Los Angeles County Flood Control District easement.

1.1.1 Site History

The first known use of the site was for agriculture, which began as early as 1928. The site appears to have remained agricultural or fallow until it was first developed in 1949 for use by the California Air National Guard (CA ANG). The CA ANG facility housed the 148th Mobile Command Squadron and included a headquarters building, a small warehouse, and a motor maintenance building known as the Organizational Maintenance Shop (OMS). A dining hall was constructed in 1955; a building used for the storage of paint and petroleum, oil, and lubricants (POLs) was added in 1961; an equipment storage building was added sometime prior to 1963; and a communications security (Comsec) vault structure was constructed in 1969. Operation of the site was transferred to the California Army National Guard (CA ARNG) in 1985 for use as an armory and vehicle maintenance shop. The site served as headquarters for the CA ARNG's 240th Signal and the 40th Finance Battalions; there is no indication that weapons or ammunition were stored at the site. Vehicle maintenance activities at the site included fueling, tune-ups, transmission servicing, oil changes, tire repair, engine cleaning, and similar light-duty servicing. The site is known to have featured five underground storage tanks (USTs) in the past. Three of these USTs, a 3,000-gallon UST for gasoline, a 3,000-gallon UST for diesel fuel, and a waste-oil UST of unknown capacity, were located outside the northeast corner of the OMS building (Figure 2) and were removed in either 1987 or 1991.[2] The installation date of these three USTs is unknown. A 1,000-gallon UST for gasoline and a 4,000-gallon UST for diesel fuel were installed in 1988 or 1991[3] in the parking lot to the northeast of the OMS building (Figure 2), presumably to replace the three removed USTs.

[1] Unless noted otherwise, the acreages and distances in this report have not been independently verified by Avocet and should be considered approximate only for illustrative purposes.
[2] The available historical records include conflicting UST removal dates.
[3] Records include conflicting UST installation dates.

CA ARNG operations at the site ceased in 2006. In 2007, the 1,000-gallon gasoline UST and the 4,000-gallon diesel UST were removed and the Los Angeles County Department of Public Works (LACoDPW) subsequently issued a "no further action" (NFA) letter. The aboveground structures at the site were demolished in 2013, although most of the foundations were left in place. Hydraulic vehicle lifts in the former OMS building and a subsurface wastewater clarifier located to the south were removed in conjunction with demolition. The site appears to have remained essentially vacant since 2012, with minimal, if any, site maintenance.

1.1.2 Avocet Phase I ESA

In early 2014, DGS retained Avocet to conduct a Phase I environmental site assessment (ESA) for the site in general accordance with the scope and limitations of ASTM International (ASTM) Standards E1527-05 and E1527-13. Based on Avocet's Phase I ESA, three "recognized environmental conditions" (RECs), one historical REC (HREC), and five other environmental features (OEFs) were identified at the site (Avocet, August 26, 2014). ASTM (2013) defines RECs as:

> *". . . the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."*

The three identified RECs at the site were:

- REC 1 – The former subsurface wastewater clarifier.
- REC 2 – Corrosion of concrete floor drain inlets and the surrounding floor slabs at three locations in the former OMS building, possibly indicating that acid or acidic waste had been discharged to the sanitary sewer system.
- REC 3 – The former hydraulic vehicle lifts in the former OMS building.

ASTM defines HRECs as

> *" a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."*

The five former USTs, all of which had been investigated and shown to have had minimal, if any, impact on the subsurface environment, were identified as a single HREC. As the RECs, HRECs, and OEFs were numbered sequentially, the former USTs were identified as HREC 4.

OEFs are potential environmental features or conditions that do not meet the definition of a REC or HREC but which are considered to warrant mention in a comprehensive Phase I ESA in the context of selling, buying, and/or redeveloping a property. The five identified OEFs, which were numbered sequentially after the RECs and HRECs, were:

- OEF 5 – An area in which a 20-gallon diesel spill occurred on the ground surface when the facility was operational.
- OEF 6 – An area in which a small spill of transformer oil occurred on the ground surface after the facility was closed.
- OEF 7 – The former boiler room.
- OEF 8 – The former POL building
- OEF 9 – The former Athens Tank Farm, a former petroleum storage facility located approximately 0.4 mile northwest of the site. Groundwater contamination attributable to petroleum releases from the former Athens Tank Farm is believed to be migrating toward the site but is not thought to have reached the site and may never reach the site.

The approximate locations, to the extent known, of the RECs, HREC, and OEFs mentioned above are shown in Figure 2.

1.2 PURPOSE AND SCOPE

The subject Phase II investigation was designed to investigate the three identified RECs and those OEFs considered to have the potential for *de minimis* impacts to the subsurface environment, specifically OEF 5 through OEF 8. As HRECs are, by definition, environmental concerns that have been investigated or otherwise resolved, the five former USTs at the site were not investigated further. The potential impact of the former Athens Tank Farm also was not investigated, as there is no evidence that related groundwater contamination has migrated as far as the subject site. As noted above, it is possible that the former Athens Tank Farm contamination may never reach the site, and even if it did, ExxonMobil is the responsible party, and the presence of low dissolved hydrocarbon concentrations at depth is unlikely to restrict redevelopment of the site or pose an unacceptable risk to future site users.

The subject Phase II investigation included the collection of soil matrix samples from 12 borings advanced up to 15 feet below ground surface (bgs) within or adjacent to the footprints of the individual RECs and OEFs, with analysis of selected soil samples for the chemicals associated with the individual RECs and OEFs. Soil vapor samples were also collected from temporary probes installed at nominal depths of 5 and 15 feet bgs in 3 of the 12 borings.

1.3 REPORT ORGANIZATION

Including this introductory section, this report consists of four sections. Section 2.0 documents the procedures followed for field, laboratory, and related Phase II activities. Section 3.0 presents background information on each of the RECs and OEFs investigated and the findings of the Phase II investigations on a REC- and OEF-specific basis. Section 4.0 presents an overall summary and recommendations.

Supporting information is contained in tables, figures, and three appendices, all of which follow the text of this report. Appendix A contains lithologic logs for each of the 12 Phase II borings. Appendices B and C contain the laboratory analytical reports for the soil and soil vapor samples, respectively.

2.0 FIELD AND LABORATORY PROCEDURES

This section documents field, laboratory, and related procedures followed during the Phase II investigation. The investigation included the collection and analysis of soil matrix samples from 12 borings advanced up to 15 feet bgs and soil vapor samples from probes installed at nominal depths of 5 and 15 feet bgs in 3 of the 12 borings.

2.1 HEALTH AND SAFETY

The Phase II investigation was conducted in accordance with a site-specific health and safety plan (HASP). The HASP (Avocet, May 15, 2014) identified potential chemical and physical hazards that could be present at the site, as well as "generic" hazards associated with working in proximity to drilling and other mechanized equipment. The HASP also specified the minimum measures needed to avoid or minimize such hazards. The identification of potential chemical hazards was based on the types of chemicals believed to have been used at the site in the past, notably petroleum hydrocarbons. The identification of potential physical hazards was based primarily on the type(s) of investigation equipment that would be used during the subsurface investigation, the potential for encountering and damaging subsurface or overhead utilities, and the potential for injury posed by external factors, such as heat. Based on the identified hazards, the HASP specified the minimum level of personal protective equipment (PPE) to be worn, the type(s) of monitoring to be conducted, the circumstances under which the minimum PPE would be upgraded, and other protective measures. The HASP also provided emergency contact information and the route to the nearest hospital with an emergency room.

All field personnel were required to review the HASP prior to fieldwork involving potential exposure to chemical or physical hazards and to sign a HASP Distribution Record form to acknowledge that they had reviewed it and agreed to abide by its requirements. Subcontractors providing onsite services had the option of following Avocet's or their own HASP, provided it was at least as stringent. The Phase II investigation was completed without any health and safety incidents of any description.

2.2 SUBSURFACE UTILITY CLEARANCE

Prior to any intrusive field work, proposed boring locations were marked on the ground surface using white chalk-based paint. Visual indicators of possible subsurface utility conflicts, such as trench scars, vault alignments, and the like, were considered during the mark-out process. As required by law, Underground Service Alert of Southern California (DigAlert) was notified 48 hours prior to the field investigation.

2.3 SOIL BORINGS

The Phase II investigation involved the collection and analysis of soil matrix samples from 12 borings. Drilling, soil sampling, and related procedures are outlined below.

2.3.1 Drilling and Soil Sampling

On May 22, 2014, ten borings (SB-1 through SB-6, SB-4B, and SV-1 through SV-3) were advanced to 15 feet bgs and Boring SB-7 was advanced to 6 feet bgs using a truck-mounted direct-push rig provided by H&P Mobile Geochemistry (H&P), of Carlsbad, California. Due to an obstruction at approximately 6 feet bgs in Boring SB-4, located within the footprint of the former boiler room, an offset boring, Boring SB-4B, was advanced to 15 feet bgs immediately south of the former boiler room. On July 1, 2014, Avocet hand-augered an additional boring, Boring SB-8, to 15.5 feet bgs. The locations of these borings are shown in Figures 2 and the borings in the OMS building are also shown at a larger scale in Figure 3.

Soil samples were collected from each boring at nominal depths of 2, 5, 10, and 15 feet bgs. Soil samples from the direct-push borings were collected in 1-inch-diameter by 2-foot-long acetate sleeves. Soil samples from the hand-auger boring (Boring SB-8) were collected in 2-inch-diameter by 6-inch-long stainless steel sleeves housed in a sampling device, which was manually driven with a slide hammer. Immediately upon recovery from the borings, soil subsamples for volatile organic compound (VOC) analysis were collected in accordance with U.S. Environmental Protection Agency (EPA) Method 5035. After collecting an additional small amount of soil for field screening, the ends of each sample sleeve were sealed with plastic end caps lined with Teflon® sheeting and secured with Parafilm®. Each sample and subsample was labeled and placed on ice in a cooler pending submittal to the analytical laboratory.

Soil samples and drill cuttings returned to the ground surface were examined for visual or olfactory indications of chemical impact, such as discoloration, excess moisture, or odors in ambient air. Field screening also included sealing a small volume of soil in a freezer bag, agitating it to promote the volatilization of any organic compounds, and then inserting the probe of a calibrated photoionization detector into the bag to record headspace readings. After screening, soil types were visually classified in accordance with the Unified Soil Classification System pursuant to ASTM Method D2488 (Standard Practice for Description and Identification of Soils - Visual-Manual Procedure). Lithologic descriptions, field screening results, and other pertinent information are included on the boring logs in Appendix A.

Drilling and soil sampling equipment was decontaminated between successive sampling attempts and between borings. The equipment was decontaminated using a three-stage wash that consisted of washing in a nonphosphate soap solution followed by rinsing with potable water and then a final deionized water rinse.

2.3.2 Soil Matrix Sample Analysis

The soil samples were submitted under chain-of-custody to Eurofins Calscience Environmental Laboratories, Inc. (Eurofins Calscience) of Garden Grove, California. Based on historical site use and the types of chemicals or products that may have been used at the site, all of the soil samples were analyzed for:

- Total petroleum hydrocarbons (TPH) using EPA Method 8015M
- VOCs using EPA Method 8260B.

The results of the TPH and VOC analyses are summarized in Tables 1 and 2, respectively. In addition, selected soil samples were analyzed for:

- Semivolatile organic compounds (SVOCs) using EPA Method 8270C
- Polychlorinated biphenyls (PCBs) using EPA Method 8082
- Title 22 metals using EPA Methods 6010B/7471A
- Organochlorine pesticides using EPA Method 8081A

The results of these analyses are summarized in Tables 3 through 6, respectively. It is noted that Eurofins Calscience is certified by the State of California for all of the analytical methods listed above. The results of Eurofins Calscience's analyses are presented in full in Appendix B.

On May 22, 2014, temporary soil vapor probes were installed at nominal depths of 5 and 15 feet bgs in Borings SV-1, SV-2, and SV-3 in general accordance with current regulatory guidance for active soil vapor investigations (California Department of Toxic Substances Control [DTSC], et al., 2012).

2.3.3 Probe Installation

The soil vapor probes in Borings SV-1, SV-2, and SV-3 consisted of a porous, polymerized ceramic tip connected to ⅛-inch outside diameter Nylaflow tubing extending approximately 2 feet above the ground surface. The porous tips are gas permeable but prevent the entrance of fine materials that could potentially clog the nylon tubing. The ceramic tips were installed as the direct-push rods were withdrawn using a depth guide to ensure they were installed at the mid-point of an approximately 12-inch layer of silica sand at the desired depth. After placing the sandpack around the 15-foot probe, the annular space above was filled to approximately 5.5 feet bgs with approximately 12 inches of dry granular bentonite followed by 6- to 12-inch lifts of dry granular bentonite hydrated in place in with potable water. At that point, the 5-foot probe was installed at the mid-point of a second 12-inch layer of silica sand. The annular space above the upper sandpack was sealed with dry granular bentonite, hydrated as above, to the ground surface. Each probe was completed at the surface with a gas-tight valve to prevent degassing after construction and during equilibration. Color-coded "zip ties" were used to differentiate between the 5- and 15-foot probes.

2.3.4 Leak Detection Testing

In accordance with current guidance (DTSC, et al., 2012), a leak detection test was performed on each soil vapor probe in conjunction with sample collection. In brief, paper towels moistened with 1,1-difluoroethane (1,1-DFA) were placed around the probe and the sample train during the sampling process. The "leak detection compound" was included in the analytical suite as an indicator of the integrity of the probe and the sample train. None of the soil vapor samples contained detectable concentrations of 1,1-DFA (Table 7).

2.3.5 Soil Vapor Sampling

On May 22, 2014, after allowing at least two hours for equilibration, the 5- and 15-foot vapor probes in Borings SV-1, SV-2, and SV-3 were sampled. The disposable purge and sample trains attached to the completed soil vapor probes consisted of nylon tubing with a 60-milliliter (mL) gas-tight syringe attached to one leg and a 150-milliliters per minute (mL/min) flow regulator and a 400 mL SUMMA canister connected to a second leg. Air-tight valves in each leg enabled the syringe and SUMMA canister to be isolated separately. The SUMMA canisters and the associated flow regulators and pressure gauges provided by H&P were "batch certified" as "clean" pursuant to EPA Method TO-15 certification criteria.

Prior to sampling, the probe valve was opened and the probes purged of three probe volumes using the syringe. The probes were purged at between 100 and 200 mL/min to minimize the likelihood of stripping or leakage. After purging the required volume, the air-tight valves to the syringe and probe were closed and the air-tight valve to the SUMMA canister was opened and verified air-tight (i.e., no decrease in vacuum) using the attached vacuum gauge. The vapor probe valve was then opened for soil vapor sample collection. Information recorded as part of the sample collection process included the volume of air purged prior to sampling, sample collection start and end times, and measurement of initial and final vacuums in the SUMMA canister.

2.3.6 Soil Vapor Sample Analysis

The soil vapor samples were transported under chain-of-custody to H&P's fixed laboratory in Carlsbad, California and analyzed for VOCs using EPA Method 8260. The analytical results are summarized in Table 7 and are presented in full in H&P's laboratory report, which is included in Appendix C.

2.4 BORING/PROBE ABANDONMENT

Upon completion of drilling, borings that were not completed as soil vapor probes were abandoned with neat cement containing approximately 5 percent bentonite gel. The cement was placed from the bottom of the borings up using a tremie pipe. On completion of soil vapor sampling, the temporary probes were abandoned by pulling the nylon tubing out of the ground, detaching the porous tip in the process, and further hydrating the bentonite to seal the resulting holes. Core holes through the building floor slabs or pavement were patched with concrete finished flush with surrounding grade.

2.5 DATA EVALUATION

Although there are no state-wide screening levels for TPH, regulatory agencies in southern California often consider guidance from the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) in its "Interim Site Assessment and Cleanup Guidebook" (LARWQCB, 1996).

The concentrations of organic chemicals and metals (apart from arsenic) reported in the soil matrix samples were compared to the Regional Screening Levels (RSLs) developed by the EPA (EPA, 2013) and/or California Human Health Screening Levels" (CHHSLs) developed by the California Environmental Protection Agency (Cal/EPA, January 2005). As naturally occurring arsenic concentrations in soil throughout much of the western United States exceed industrial RSLs and CHHSLs, arsenic is typically evaluated in the context of site-specific background concentrations. Absent an established background range for the subject site, arsenic concentrations in soil were evaluated in the context of the 6.0 milligram per kilogram (mg/kg) screening level used by DTSC to evaluate school sites (DTSC, March 21, 2007) and the 12.0 mg/kg southern California area upper bound background concentration (DTSC, undated). The results of the soil vapor sample analyses were compared to the CHHSLs.

3.0 FINDINGS

This section presents the findings of the Phase II investigation at the site in terms of the presence of organic and/or inorganic chemicals in the subsurface environment. This section also includes background information pertaining to each of the RECs and OEFs addressed during the Phase II investigation.

3.1 REC 1, FORMER WASTEWATER CLARIFIER

Effluent from vehicle and equipment washing on the wash rack west of the former OMS building flowed into a concrete-lined trench and through a subsurface wastewater clarifier located south of the wash rack (Figure 2) before being discharged to the sanitary sewer. The wastewater clarifier, which was sometimes referred to as an oil/water separator, appears to have been removed as part of the facility decommissioning effort, as evidenced by a local surface depression. As no documentation pertaining to its removal is available and it is not clear whether any subsurface assessment was conducted, the former clarifier was considered a REC for Phase I ESA purposes.

On May 22, 2014, Boring SV-2 was advanced to 15 feet bgs within the footprint of the former clarifier (Figure 4). Soil samples were collected at nominal depths of 2, 5, 10, and 15 feet bgs. On completion of soil sampling, vapor probes were installed in Boring SV-2 at nominal depths of 5 and 15 feet bgs. All four of the soil matrix samples were analyzed for TPH and VOCs and the 10- and 15-foot samples were also analyzed for SVOCs. The results of these analyses are summarized below and in Tables 1, 2, and 3, respectively.

- None of the four soil samples contained detectable concentrations of TPH.
- The 2-foot sample contained trace concentrations of three aromatic VOCs, as follows:

VOCs in REC 1 Soil Samples				
Compound	**Detection Frequency**	**Concentration Range** (µg/kg)	**Residential RSL** (µg/kg)	**Industrial RSL** (µg/kg)
Benzene	1/4	7.6	1,100	5,400
Ethyl benzene	1/4	1.1	5,400	27,000
Toluene	1/4	7.1	5,000,000	45,000,000

µg/kg = microgram per kilogram

The reported aromatic VOC concentrations are all orders of magnitude less than the corresponding residential RSLs (EPA, 2013) and are not considered significant. Moreover, no detectable VOC concentrations were reported in the three deeper samples from Boring SV-2.

- Neither of the two soil samples analyzed contained detectable concentrations of any SVOCs.

On May 22, 2014, soil vapor samples were collected from the 5- and 15-foot soil gas probes (the latter in duplicate) in Boring SV-2 and analyzed for VOCs using EPA Method 8260. The results of the soil vapor sample analyses are summarized in Table 7 and the detectable VOCs were as follows:

VOCs in REC 1 Soil Vapor Samples					
Compound	**SV-2 Probe Depth** (feet bgs)			**Residential CHHSL** (µg/L)	**Industrial CHHSL** (µg/L)
	5	15	15 (Dup.)		
Chloroform	ND<0.1	**0.3**	**0.3**	NA	NA
m/p-Xylene	ND<0.5	**0.91**	**1.2**	320	890

µg/L = microgram per liter
NA = not available

As indicated above, the duplicate soil vapor samples from the 15-foot probe contained trace concentrations of chloroform, a common laboratory artifact, and *m/p*-xylenes. However, the reported *m/p*-xylenes concentrations are orders of magnitude lower than the corresponding residential CHHSL. No VOCs were detected in the 5-foot soil vapor sample.

3.2 REC 2, Corroded Floor and Drain Lines

Corroded concrete around drain inlets in the former battery charging room near the southeast corner of the former OMS building (Figure 2) suggest that battery acid or associated rinsate may have been discharged to the sanitary sewer system. Similar corrosion was observed around a floor drain inlet in the former OMS building, at Service Bay No. 2. Based on the observed corrosion, possible discharges of acid were considered a REC for Phase I ESA purposes.

On May 22, 2014, Borings SB-3 and SV-3 were advanced to 15 feet bgs adjacent to the corroded floor drain inlets in the former battery charging room and the former utility room. On completion of soil sampling, vapor probes were installed in Boring SV-3 at nominal depths of 5 and 15 feet bgs. On July 1, 2014, Boring SB-8 was advanced to 15 feet bgs adjacent to the corroded floor drain inlet in Service Bay 2 in the former OMS building (Figure 4). Soil samples were collected from all three borings at nominal depths of 2, 5, 10, and 15 feet bgs. All four samples from each boring were analyzed for TPH and VOCs and the 2- and 5-foot samples were also analyzed for Title 22 metals. The results of these analyses are summarized below and in Tables 1, 2, and 4, respectively.

- Three of the 12 soil samples contained detectable concentrations of TPH, specifically TPH as diesel (TPH-d) at concentrations ranging from 5.7 to 180 mg/kg and TPH as oil (TPH-o) at concentrations ranging from 90 to 550 mg/kg. Eurofins Calscience flagged the detections as not being consistent with the TPH-d and TPH-o reference standards; but, regardless, the reported

concentrations are well below the screening levels often used for TPH-d (1,000 mg/kg) and TPH-o (10,000 mg/kg) under circumstances similar to those at the subject site.

- Six of the 12 soil samples contained trace concentrations of one or more of six aromatic VOCs as follows:

VOCs in REC 2 Soil Samples				
Compound	**Detection Frequency**	**Concentration Range** (µg/kg)	**Residential RSL** (µg/kg)	**Industrial RSL** (µg/kg)
Acetone	2/12	47 – 58	61,000,000	630,000,000
Benzene	5/12	0.88 – 14	1,100	5,400
Ethyl benzene	4/12	1.1 – 3.4	5,400	27,000
o-Xylene	3/12	2.2 – 2.7	690,000	3,000,000
m/p-Xylenes	3/12	5.2 – 6.5	590,000	2,500,000
Toluene	4/12	3.0 – 16	5,000,000	45,000,000

The reported aromatic VOC concentrations are all orders of magnitude less than the corresponding residential RSLs (EPA, 2013) and are not considered significant.

- All eight of the soil samples analyzed contained metals; however, the reported concentrations were less than residential RSLs (EPA, 2013) or, for arsenic only, the accepted Los Angeles area background concentration of 12 mg/kg. Cadmium and lead concentrations in a single sample (the 2-foot sample from Boring SB-8) exceeded the corresponding residential CHHSLs, and the reported lead concentration of 355 mg/kg marginally exceeded the industrial CHHSL of 320 mg/kg.

On May 22, 2014, soil vapor samples were collected from the 5- and 15-foot soil gas probes in Boring SV-3 and analyzed for VOCs using EPA Method 8260. The results of the soil vapor sample analyses are summarized in Table 7. Detectable VOCs were as follows:

VOCs in REC 2 Soil Vapor Samples				
Compound	**SV-3 Probe Depth** (feet bgs)		**Residential CHHSL** (µg/L)	**Industrial CHHSL** (µg/L)
	5	15		
Ethyl benzene	6.5	2.2	0.42	1.4
m/p-Xylene	25	8.5	320	890
o-Xylene	7.0	2.4	320	880

Orange shading indicates concentration exceeds industrial CHHSL

The reported ethyl benzene concentrations in the 5- and 15-foot soil vapor samples marginally exceed the industrial CHHSL; however, the other reported VOC concentrations are well below

residential CHHSLs. It is noted that ethyl benzene was not detected in any of the other soil vapor samples collected at the site (Table 7).

3.3 REC 3, Former Hydraulic Lifts

The former OMS building featured two hydraulic vehicle lifts. The lifts were removed in 2012; however, no related documentation is available and it is not clear whether any subsurface assessment was conducted. Accordingly, the former hydraulic lifts were considered a REC for Phase I ESA purposes.

On May 22, 2014, Borings SB-1 and SB-2 were advanced to 15 feet bgs adjacent to each of the hydraulic lifts (Figure 3). Soil samples were collected from both borings at nominal depths of 2, 5, 10, and 15 feet bgs. All four samples from each boring were analyzed for TPH and VOCs and the 10- and 15-foot samples were also analyzed for SVOCs and PCBs. The results of these analyses are summarized below and in Tables 1, 2, 3, and 5, respectively.

- Only one of the eight soil samples, the 2-foot sample from Boring SB-2, contained detectable concentrations of TPH, specifically TPH-d at 23 mg/kg and TPH-o at 42 mg/kg. Eurofins flagged the detections as not being consistent with the TPH-d and TPH-o reference standards; but, regardless, the reported concentrations are well below the screening levels often used for TPH d (1,000 mg/kg) and TPH-o (10,000 mg/kg) under circumstances similar to those at the subject site.

- The 2-foot samples from Borings SB-1 and SB-2 contained trace concentrations of one or more of seven aromatic VOCs as follows:

VOCs in REC 3 Soil Samples				
Compound	**Detection Frequency**	**Concentration Range** (µg/kg)	**Residential RSL** (µg/kg)	**Industrial RSL** (µg/kg)
1,2,4-Trimethylbenzene	1/8	2.3	62,000	260,000
Acetone	2/8	47 – 48	61,000,000	630,000,000
Benzene	1/8	40	1,100	5,400
Ethyl benzene	1/8	9.4	5,400	27,000
o-Xylene	1/8	5.4	690,000	3,000,000
m/p-Xylenes	2/8	2.4 – 14	590,000	2,500,000
Toluene	1/8	49	5,000,000	45,000,000

  The reported aromatic VOC concentrations are all orders of magnitude less than the corresponding residential RSLs (EPA, 2013) and are not considered significant. Moreover, no detectable VOC concentrations were reported in any of the deeper samples from Borings SB-1 and SB-2.

- None of the four soil samples analyzed contained detectable concentrations of any SVOCs or PCBs.

3.4 OEF 5, DIESEL SURFACE SPILL

In May 1998, facility personnel filed a hazardous material/waste incident report documenting an approximately 20-gallon diesel fuel spill in the parking area north of the former OMS building. The spill occurred on a cracked asphalt surface and impacted an area measuring approximately 2 feet wide by 40 feet long (Figure 2). The spill was reportedly cleaned up using absorbent material; however, it does not appear that any subsurface investigation was conducted. Based on the available information, a diesel spill of this magnitude is likely to have had a *de minimis*, if any, impact on the subsurface and, as such, it was considered an OEF rather than a REC for Phase ESA purposes.

On May 22, 2014, Borings SB-5 and SB-6 were advanced to 15 feet bgs within the reported footprint of the diesel spill. Soil samples were collected from both borings at nominal depths of 2, 5, 10, and 15 feet bgs. All four samples from each boring were analyzed for TPH and VOCs. The results of these analyses are summarized below and in Tables 1 and 2, respectively.

- Only one of the eight soil samples, the 2-foot sample from Boring SB-5, contained a detectable concentration of TPH, specifically TPH-d at 6.2 mg/kg. Eurofins Calscience flagged the detection as not being consistent with the TPH-d reference standard; but, regardless, the reported concentration is well below the 1,000 mg/kg screening level often used for TPH-d under circumstances similar to those at the subject site

- Four of the eight soil samples contained trace concentrations of one or more of five aromatic VOCs, as follows:

VOCs in OEF 5 Soil Samples				
Compound	**Detection Frequency**	**Concentration Range** (µg/kg)	**Residential RSL** (µg/kg)	**Industrial RSL** (µg/kg)
Benzene	3/8	1.2 - 18	1,100	5,400
Ethyl benzene	1/8	2.1	5,400	27,000
o-Xylene	1/8	1.2	690,000	3,000,000
m/p-Xylenes	2/8	2.4	590,000	2,500,000
Toluene	1/8	14	5,000,000	45,000,000

The reported aromatic VOC concentrations are all orders of magnitude less than the corresponding residential RSLs (EPA, 2013) and are not considered significant.

3.5 OEF 6, TRANSFORMER OIL SPILL

In 2012, an electrical transformer was apparently stolen from the site, resulting in a spill of non-PCB oil on the asphalt pavement near the southeast corner of the headquarters building. Although the oil spill was cleaned up, it does not appear that any subsurface investigation was conducted. Based on the available information, a non-PCB oil spill of this magnitude is likely to

have had a *de minimis*, if any, impact on the subsurface and, as such, it was considered an OEF rather than a REC for Phase I ESA purposes.

On May 22, 2014, Boring SB-7 was advanced to 6 feet bgs within the reported footprint of the transformer oil spill. Soil samples were collected at 2 and 5 feet bgs and the 2-foot sample was analyzed for PCBs only. The results of the analysis are summarized in Table 5 but, in brief, the sample did not contain detectable concentrations of any PCBs.

3.6 OEF 7, FORMER BOILER ROOM

A boiler was operated in the southeast corner of the headquarters building. As potentially hazardous chemicals are commonly associated with boiler maintenance, including chemical treatment of boiler feed water, the former boiler room was considered an OEF for Phase I ESA purposes.

On May 22, 2014, Avocet attempted to advance Boring SB-4 to 15 feet bgs within the footprint of the former boiler room; however, the boring met refusal on an obstruction at approximately 6 feet bgs. Avocet offset and advanced Boring SB-4B to 15 feet immediately south of the former boiler room (Figure 3). Soil samples were collected at nominal depths of 2 and 5 feet bgs in Boring SB-4 and at 10 and 15 feet bgs in Boring SB-4B. All four samples were analyzed for TPH and VOCs and the 2- and 5-foot samples from Boring SB-4 were also analyzed for SVOCs and Title 22 metals. The results of these analyses are summarized below and in Tables 1 through 4, respectively.

- The 2- and 5-foot samples from Boring SB-4 contained detectable concentrations of TPH, specifically TPH-d at 160 and 14 mg/kg and TPH-o at 440 and 26 mg/kg. Eurofins Calscience flagged the detections as not being consistent with the TPH-d and TPH-o reference standards; but, regardless, the reported concentrations are well below the screening levels often used for TPH-d (1,000 mg/kg) and TPH-o (10,000 mg/kg) under circumstances similar to those at the subject site. The 10- and 15-foot samples from Boring SB-4B did not contain detectable TPH concentrations.

- All four soil samples contained trace concentrations of one or more of three aromatic VOCs, as follows:

VOCs in OEF 7 Soil Samples				
Compound	**Detection Frequency**	**Concentration Range** (µg/kg)	**Residential RSL** (µg/kg)	**Industrial RSL** (µg/kg)
Acetone	1/4	90	61,000,000	630,000,000
Benzene	3/4	1.2 – 2.3	1,100	5,400
Toluene	2/4	0.74 – 2.0	5,000,000	45,000,000

The reported aromatic VOC concentrations are all orders of magnitude less than the corresponding residential RSLs (EPA, 2013) and are not considered significant.

- The 2-foot soil samples contained a single SVOC, pyrene at 1.1 mg/kg, but no SVOCs were reported in the 5-foot sample. The reported pyrene concentration is orders of magnitude lower than the residential RSL of 1,700 mg/kg and industrial RSL of 23,000 mg/kg.

- Both of the soil samples analyzed contained metals; however, the reported concentrations were less than residential RSLs (EPA, 2013) or, for arsenic only, the accepted Los Angeles area background concentration of 12 mg/kg.

3.7 OEF 8, Former POL Building

The former POL building appears to have been used to store paint and POLs and, as such, was considered an OEF for Phase I ESA purposes.

On May 22, 2014, Boring SV-1 was advanced to 15 feet bgs immediately west of the former POL building. Soil samples were collected at nominal depths of 2, 5, 10, and 15 feet bgs. All four samples were analyzed for TPH and VOCs and the 2- and 5-foot samples were also analyzed for SVOCs. The results of these analyses are summarized below and in Tables 1, 2, and 3, respectively.

- The 2-foot soil sample contained 25 mg/kg of TPH-d and 130 mg/kg of TPH-o. Eurofins Calscience flagged the detections as not being consistent with the TPH-d and TPH-o reference standards; but, regardless, the reported concentrations are well below the screening levels often used for TPH d (1,000 mg/kg) and TPH-o (10,000 mg/kg) under circumstances similar to those at the subject site.

- None of the four soil samples contained detectable concentrations of any VOCs or SVOCs.

On May 22, 2014, soil vapor samples were collected from the 5- and 15-foot soil gas probes in Boring SV-1 and analyzed for VOCs using EPA Method 8260; however, no VOCs were reported at detectable concentrations (Table 7).

3.8 Pesticides in Soil

Past land uses at the site included agriculture and, as such, the 2-foot samples from three borings distributed across the site, specifically Borings SB-3, SB-4, and SB-5, were analyzed for organochlorine pesticides using EPA Method 8081A. The 2-foot sample from Boring SB-4 contained 370 µg/kg of 4,4-dichlorodiphenyldichloroethylene (4,4-DDE), a breakdown product of DDT. The reported 4,4-DDE concentration is well below potentially applicable screening levels, including the residential RSL and CHHSL, both of which are 1,600 µg/kg. The industrial CHHSL for 4,4-DDE is 6,300 µg/kg and the industrial RSL is 6,800 µg/kg. No other

organochlorine pesticides were reported at detectable concentrations in any of the three soil samples analyzed.

4.0 SUMMARY AND CONCLUSIONS

A comprehensive Phase I ESA for the former Compton-Parmelee Armory site (Avocet, August 26, 2014) identified three RECs, one HREC, and four OEFs. In broad terms, the RECs were existing or former subsurface structures that may have contained potentially hazardous substances. With one exception, the OEFs were surface structures in which potentially hazardous substances may have been used or stored or areas where *de minimis* surface spills are reported to have occurred. Based on previous investigations, the impact, if any, of the five USTs known to have been operated at the site has been shown to be negligible, hence their being categorized as an HREC; however, no other investigations are known to have been conducted to assess the impact, if any, of the identified RECs and OEFs.

In the subject Phase II investigation, Avocet systematically investigated the three identified RECs and the four OEFs considered to have the potential to result in *de minimis* subsurface impacts. The investigation involved the collection and analysis of 40 soil matrix samples from 12 borings drilled to 6 or 15 feet bgs within or adjacent to the REC and OEF footprints. All of the soil matrix samples were analyzed for TPH and VOCs and selected samples were analyzed for SVOCs, PCBs, and/or Title 22 metals. Based on past agricultural land use at the site, selected shallow soil samples were also analyzed for organochlorine pesticides. Depending on the nature of the hazardous substances associated with the individual RECs and OEFs, soil vapor samples were also collected from temporary probes installed at nominal depths of 5 and 15 feet bgs in 3 of the 12 borings and analyzed for VOCs. The REC- and OEF-specific results of the Phase II investigation have been presented in Section 3.0 but may be more broadly summarized as follows:

- Of the 40 soil matrix samples analyzed, 8 contained TPH, at concentrations up to 180 mg/kg of TPH-d and 550 mg/kg of TPH-o. Seven of the eight samples were collected at 2 feet bgs and one was collected at 5 feet bgs; none of the 10- or 15-foot soil samples contained detectable concentrations of TPH. Compared to LARWQCB guidance (LARWQCB, 1996), which suggests TPH-d and TPH-o screening levels of 1,000 and 10,000 mg/kg, respectively, the reported concentrations are low and do not warrant additional investigation.

- Of the 40 soil matrix samples analyzed, 16 contained trace concentrations of one or more of seven VOCs. Excluding acetone, a common laboratory artifact, the VOCs detected were all aromatics commonly associated with motor vehicle fuels. However, all of the reported VOC concentrations in soil were several orders of magnitude lower than the corresponding residential RSLs. The highest reported benzene concentration, 40 µg/kg in the 2-foot sample from Boring SB-2, is more than two orders of magnitude lower than the residential RSL of 1,200 µg/kg and more than three orders of magnitude lower than the industrial RSL of 5,100 µg/kg.

- The 2-foot sample from Boring SB-4 contained 1.1 mg/kg of pyrene but no other SVOCs were reported at detectable concentrations in any of the ten soil samples analyzed, including the 5-foot soil sample from the same boring. The reported pyrene concentration is more than three orders of magnitude lower than the residential RSL of 1,700 mg/kg and more than five orders of magnitude lower than the industrial RSL of 23,000 mg/kg.

- Title 22 metals were detected in all eight of the soil samples analyzed; however, the reported concentrations were below residential RSLs and residential CHHSLs or (for arsenic only) the Los Angeles area background concentration except for the 2-foot sample from Boring SB-8, targeted at a corroded drain inlet in the northwest corner of the former OMS building. In this sample, cadmium at 6.79 mg/kg exceeded the residential CHSSL of 1.7 mg/kg but not the industrial CHHSL of 7.5 mg/kg or the residential or industrial RSLs of 70 and 980 mg/kg, respectively. Lead in the same sample, at 355 mg/kg, exceeded the residential CHHSL of 80 mg/kg and, marginally, the industrial CHHSL of 320 mg/kg but not the residential or industrial RSLs of 400 and 800 mg/kg, respectively.

- None of the five samples analyzed contained detectable concentrations of any PCBs.

- The 2-foot sample from Boring SB-4 contained 370 µg/kg of 4,4-DDE, a breakdown product of DDT, but no other organochlorine pesticides were reported at detectable concentrations in any of the three soil samples analyzed. The reported 4,4-DDE concentration is more than an order of magnitude lower than the residential RSL/CHHSL of 1,600 µg/kg and more than two orders of magnitude lower than the industrial CHHSL of 6,300 µg/kg and the industrial RSL of 6,800 µg/kg.

- Three of the six soil vapor samples analyzed contained trace concentrations of one or more of four VOCs; however, the reported concentrations were below residential CHHSLs except for the 5- and 15-foot samples from Boring SV-8, targeted at a corroded drain inlet in a former battery the northwest corner of the former OMS building. The reported ethyl benzene concentrations, at 6.5 and 2.2 µg/L, respectively, in the 5- and 15-foot soil vapor samples from Boring SV-8, exceed the residential CHHSL of 0.42 µg/L and the industrial CHHSL of 6.5 µg/L.

Based on the above, the impact of National Guard activities on the subsurface environment beneath the site appears to have been minimal and no additional assessment is warranted for RECs 1 and 3 or OEFs 5 through 8. The only potentially applicable screening levels exceeded pertain to REC 2, specifically cadmium and lead in shallow soil around a corroded drain inlet in the northwest corner of the OMS building and ethyl benzene in soil vapor in the vicinity of

another corroded drain inlet in a former battery room inside the OMS building. These exceedances are discussed further below.

4.1 CADMIUM AND LEAD IN SOIL

Prior to the subject Phase II investigation, the drain inlet in the northwest corner of the former OMS building was filled with soil. Avocet personnel removed the soil, exposing a badly corroded, horizontal metal outlet pipe, but were unable to locate a "hard" bottom, if indeed the inlet structure featured one. It is noted that the horizontal drain pipe is oriented south, toward the former wastewater clarifier (REC 1). The absence of a hard bottom, the observed corrosion, and the presence of elevated cadmium and lead in the 2-foot soil sample from Boring SB-8 suggest that acid, possibly battery acid, may have been discharged to the drain inlet inside the northwest corner of the OMS building. It is also possible the metals content of the 2-foot soil sample was skewed high by metal particulates from the corroded outlet pipe. Regardless, the absence of elevated metals concentrations in the 5-foot sample from Boring SB-8 suggests that the impact is localized and limited to shallow soils only. This distribution is consistent with acid being quickly buffered or neutralized within a short distance of the discharge point.

The most cost-effective way of addressing this metals exceedance would be in conjunction with removal of the OMS building foundation and the subsurface piping between the inlet and the former wastewater clarifier. Specifically, a small volume of soil around the drain inlet could be "surgically removed" and confirmation sampling conducted to verify residual metals in soil are below screening levels. Additional samples for analysis could also be collected along the alignment of the subsurface pipeline if indications of releases, such as discoloration, excess moisture, or odors, are observed. Alternately, additional borings could be drilled around the corroded inlet and along the pipeline alignment to further assess cadmium and lead in soil. Avocet notes, however, that after the foundation pads and other subsurface infrastructure are removed, shallow soil will likely be removed and recompacted to a depth determined by the soil types and estimated future loads but typically on the order of 3 to 5 feet bgs. The degree of mixing during removal and recompaction is such that a small and localized volume of metals-impacted soil is unlikely to pose a health risk to construction workers or future users of the site.

4.2 ETHYL BENZENE IN SOIL VAPOR

Absent its detection in any of the other soil vapor samples, ethyl benzene in the 5- and 15-foot samples from Boring SV-3 appears to be highly localized as opposed to widely distributed across the site. Conservative vapor intrusion assessments typically utilize the highest VOC concentrations detected and assume they are present throughout the site. In a more realistic assessment using average or percentile concentrations, the reported ethyl benzene concentrations would likely not result in a vapor intrusion risk. However, additional investigation should be considered to assess whether higher ethyl benzene concentrations are present in soil vapor in the vicinity of Boring SV-3. Three vapor probe borings could be used to triangulate around Boring SV-3 to provide lateral and vertical delineation, with a provision for step-out borings if elevated ethyl benzene or other VOC concentrations are detected.

4.3 REGULATORY AGENCY INVOLVEMENT

As metals and VOC concentrations in soil and soil vapor marginally exceed California screening levels, DGS may wish to consider engaging the Los Angeles County Fire Department (LACoFD), Site Mitigation Unit (SMU) to provide oversight if additional investigations are conducted. LACoFD SMU oversight would involve a voluntary oversight agreement and preparation of a work plan for the additional investigations. Absent any indication of significant subsurface impacts, oversight from LACoFD SMU or any other regulatory agency is not mandatory unless an NFA letter is required.

Respectfully submitted,

AVOCET ENVIRONMENTAL, IN

Deke C. Siren, P.G.
Project Manager

REFERENCES

ASTM International, 2005, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM E 1527-05

ASTM International, 2013, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM E 1527-13

Avocet Environmental, Inc. (Avocet), May 15, 2014, "Health and Safety Plan, Environmental Services, Former Army National Guard Armory, 2320 North Parmelee Avenue, Compton, California."

Avocet Environmental, Inc. (Avocet), August 26, 2014, "Phase I Environmental Site Assessment, Former Compton-Parmelee Armory, 2320 North Parmelee Avenue, Compton, California 90222."

California Department of Toxic Substances Control, undated, "Determination of a Southern California Regional Background Arsenic Concentration in Soil."

California Department of Toxic Substances Control (DTSC), March 21, 2007, "Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals for Proposed and Existing School Sites."

California Department of Toxic Substances Control, Los Angeles Regional Water Quality Control Board and San Francisco Regional Water Quality Control Board (DTSC, et al.), April 2012, "Advisory – Active Soil Vapor Investigations."

California Environmental Protection Agency (Cal/EPA), January 2005, "Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties."

California Regional Water Quality Control Board, Los Angeles Region (LARWQCB), May 1996, "Interim Site Assessment & Cleanup Guidebook."

U.S. Environmental Protection Agency (EPA), May 2014, "Regional Screening Level (RSL) Summary Table," at http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/master_sl_table_run_MAY2014.pdf

Tables

AVOCET
ENVIRONMENTAL, INC.

Table 1
TPH in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics
REC 1 - Former Wastewater Clarifier						
SV-2	2	05/22/14	mg/kg	<0.26	<5	<25
	5	05/22/14	mg/kg	<0.19	<5	<25
	10	05/22/14	mg/kg	<0.19	<5	<25
	15	05/22/14	mg/kg	<0.28	<5	<25
REC 2 - Corroded Floor and Drain Lines						
SB-3	2	05/22/14	mg/kg	<0.21	**5.7 HD**	<25
	5	05/22/14	mg/kg	<0.29	<5	<25
	10	05/22/14	mg/kg	<0.16	<5	<25
	15	05/22/14	mg/kg	<0.22	<5	<25
SB-8	2	07/01/14	mg/kg	<0.22	**180 HD**	**550 HD**
	5	07/01/14	mg/kg	<0.2	<5	<25
	10	07/01/14	mg/kg	<0.2	<5.1	<25
	15	07/01/14	mg/kg	<0.24	**35 HD**	**90 HD**
SV-3	2	05/22/14	mg/kg	<0.18	<5	<25
	5	05/22/14	mg/kg	<0.21	<5.1	<25
	10	05/22/14	mg/kg	<0.19	<5	<25
	15	05/22/14	mg/kg	<0.25	<5	<25
REC 3- Former Hydraulic Vehicle Lifts						
SB-1	2	05/22/14	mg/kg	<0.2	<5	<25
	5	05/22/14	mg/kg	<0.24	<5.1	<25
	10	05/22/14	mg/kg	<0.2	<5	<25
	15	05/22/14	mg/kg	<0.18	<5	<25
SB-2	2	05/22/14	mg/kg	<0.21	**23 HD**	**42 HD**
	5	05/22/14	mg/kg	<0.18	<4.9	<25
	10	05/22/14	mg/kg	<0.18	<5	<25
	15	05/22/14	mg/kg	<0.2	<5	<25
OEF 5 - Diesel Surface Spill						
SB-5	2	05/22/14	mg/kg	<0.19	**6.2 HD**	<25
	5	05/22/14	mg/kg	<0.18	<5	<25
	10	05/22/14	mg/kg	<0.16	<5	<25
	15	05/22/14	mg/kg	<0.16	<5	<25
SB-6	2	05/22/14	mg/kg	<0.18	<5	<25
	5	05/22/14	mg/kg	<0.17	<5.1	<25
	10	05/22/14	mg/kg	<0.21	<5	<25
	15	05/22/14	mg/kg	<0.19	<5.1	<25
OEF 7 - Former Boiler Room						
SB-4	2	05/22/14	mg/kg	<0.27	**160 HD**	**440 HD**
	5	05/22/14	mg/kg	<0.23	**14 HD**	**26 HD**
SB-4B	10	05/22/14	mg/kg	<0.16	<5	<25
	15	05/22/14	mg/kg	<0.3	<5	<25
OEF 8 - Former POL Building						
SV-1	2	05/22/14	mg/kg	<0.33	**25 HD**	**130 HD**
	5	05/22/14	mg/kg	<0.2	<5	<25
	10	05/22/14	mg/kg	<0.2	<4.9	<25
	15	05/22/14	mg/kg	<0.23	<5	<25

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8015B (M).
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
HD Flag denotes the chromatographic pattern was inconsistent with the profile of the reference fuel stan

AVOCET ENVIRONMENTAL, INC.

Table 2
VOCs in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone
REC 1 - Former Wastewater Clarifier																										
SV-2	2	05/22/14	µg/kg	<1	<1	<2	<10	<1	<1	<1	<2	<2	<2	<2	<2	<5.1	<1	<1	<1	<1	<2	<1	<1	<1	<5.1	<20
	5	05/22/14	µg/kg	<0.77	<0.77	<1.5	<7.7	<0.77	<0.77	<0.77	<1.5	<1.5	<1.5	<1.5	<1.5	<3.8	<0.77	<0.77	<0.77	<0.77	<1.5	<0.77	<0.77	<0.77	<3.8	<15
	10	05/22/14	µg/kg	<0.75	<0.75	<1.5	<7.5	<0.75	<0.75	<0.75	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.75	<0.75	<0.75	<0.75	<1.5	<0.75	<0.75	<0.75	<3.7	<15
	15	05/22/14	µg/kg	<0.83	<0.83	<1.7	<8.3	<0.83	<0.83	<0.83	<1.7	<1.7	<1.7	<1.7	<1.7	<4.2	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83	<0.83	<0.83	<4.2	<17
REC 2 - Corroded Floor and Drain Lines																										
SB-3	2	05/22/14	µg/kg	<0.83	<0.83	<1.7	<8.3	<0.83	<0.83	<0.83	<1.7	<1.7	<1.7	<1.7	<1.7	<4.1	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83	<0.83	<0.83	<4.1	<17
	5	05/22/14	µg/kg	<1.1	<1.1	<2.1	<11	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<1.1	<1.1	<1.1	<1.1	<2.1	<1.1	<1.1	<1.1	<5.3	<21
	10	05/22/14	µg/kg	<0.68	<0.68	<1.4	<6.8	<0.68	<0.68	<0.68	<1.4	<1.4	<1.4	<1.4	<1.4	<3.4	<0.68	<0.68	<0.68	<0.68	<1.4	<0.68	<0.68	<0.68	<3.4	<14
	15	05/22/14	µg/kg	<0.89	<0.89	<1.8	<8.9	<0.89	<0.89	<0.89	<1.8	<1.8	<1.8	<1.8	<1.8	<4.5	<0.89	<0.89	<0.89	<0.89	<1.8	<0.89	<0.89	<0.89	<4.5	<18
SB-8	2	07/01/14	µg/kg	<0.94	<0.94	<1.9	<9.4	<0.94	<0.94	<0.94	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<0.94	<0.94	<0.94	<0.94	<1.9	<0.94	<0.94	<0.94	<4.7	<19
	5	07/01/14	µg/kg	<0.84	<0.84	<1.7	<8.4	<0.84	<0.84	<0.84	<1.7	<1.7	<1.7	<1.7	<1.7	<4.2	<0.84	<0.84	<0.84	<0.84	<1.7	<0.84	<0.84	<0.84	<4.2	<17
	10	07/01/14	µg/kg	<0.79	<0.79	<1.6	<7.9	<0.79	<0.79	<0.79	<1.6	<1.6	<1.6	<1.6	<1.6	<3.9	<0.79	<0.79	<0.79	<0.79	<1.6	<0.79	<0.79	<0.79	<3.9	<16
	15	07/01/14	µg/kg	<0.92	<0.92	<1.8	<9.2	<0.92	<0.92	<0.92	<1.8	<1.8	<1.8	<1.8	<1.8	<4.6	<0.92	<0.92	<0.92	<0.92	<1.8	<0.92	<0.92	<0.92	<4.6	<18
SV-3	2	05/22/14	µg/kg	<0.81	<0.81	<1.6	<8.1	<0.81	<0.81	<0.81	<1.6	<1.6	<1.6	<1.6	<1.6	<4.1	<0.81	<0.81	<0.81	<0.81	<1.6	<0.81	<0.81	<0.81	<4.1	<16
	5	05/22/14	µg/kg	<0.67	<0.67	<1.3	<6.7	<0.67	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3	<1.3	<3.3	<0.67	<0.67	<0.67	<0.67	<1.3	<0.67	<0.67	<0.67	<3.3	<13
	10	05/22/14	µg/kg	<0.73	<0.73	<1.5	<7.3	<0.73	<0.73	<0.73	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<3.7	<15
	15	05/22/14	µg/kg	<0.72	<0.72	<1.4	<7.2	<0.72	<0.72	<0.72	<1.4	<1.4	<1.4	<1.4	<1.4	<3.6	<0.72	<0.72	<0.72	<0.72	<1.4	<0.72	<0.72	<0.72	<3.6	<14
REC 3- Former Hydraulic Vehicle Lifts																										
SB-1	2	05/22/14	µg/kg	<0.86	<0.86	<1.7	<8.6	<0.86	<0.86	<0.86	<1.7	<1.7	<1.7	<1.7	<1.7	<4.3	<0.86	<0.86	<0.86	<0.86	<1.7	<0.86	<0.86	<0.86	<4.3	<17
	5	05/22/14	µg/kg	<0.83	<0.83	<1.7	<8.3	<0.83	<0.83	<0.83	<1.7	<1.7	<1.7	<1.7	<1.7	<4.1	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83	<0.83	<0.83	<4.1	<17
	10	05/22/14	µg/kg	<0.67	<0.67	<1.3	<6.7	<0.67	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3	<1.3	<3.3	<0.67	<0.67	<0.67	<0.67	<1.3	<0.67	<0.67	<0.67	<3.3	<13
	15	05/22/14	µg/kg	<0.76	<0.76	<1.5	<7.6	<0.76	<0.76	<0.76	<1.5	<1.5	<1.5	<1.5	<1.5	<3.8	<0.76	<0.76	<0.76	<0.76	<1.5	<0.76	<0.76	<0.76	<3.8	<15
SB-2	2	05/22/14	µg/kg	<0.82	<0.82	<1.6	<8.2	<0.82	<0.82	<0.82	<1.6	<1.6	<1.6	<1.6	**2.3**	<4.1	<0.82	<0.82	<0.82	<0.82	<1.6	<0.82	<0.82	<0.82	<4.1	<16
	5	05/22/14	µg/kg	<0.84	<0.84	<1.7	<8.4	<0.84	<0.84	<0.84	<1.7	<1.7	<1.7	<1.7	<1.7	<4.2	<0.84	<0.84	<0.84	<0.84	<1.7	<0.84	<0.84	<0.84	<4.2	<17
	10	05/22/14	µg/kg	<0.74	<0.74	<1.5	<7.4	<0.74	<0.74	<0.74	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	<0.74	<3.7	<15
	15	05/22/14	µg/kg	<0.92	<0.92	<1.8	<9.2	<0.92	<0.92	<0.92	<1.8	<1.8	<1.8	<1.8	<1.8	<4.6	<0.92	<0.92	<0.92	<0.92	<1.8	<0.92	<0.92	<0.92	<4.6	<18
OEF 5 - Diesel Surface Spill																										
SB-5	2	05/22/14	µg/kg	<0.74	<0.74	<1.5	<7.4	<0.74	<0.74	<0.74	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	<0.74	<3.7	<15
	5	05/22/14	µg/kg	<0.73	<0.73	<1.5	<7.3	<0.73	<0.73	<0.73	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<3.7	<15
	10	05/22/14	µg/kg	<0.74	<0.74	<1.5	<7.4	<0.74	<0.74	<0.74	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	<0.74	<3.7	<15
	15	05/22/14	µg/kg	<0.66	<0.66	<1.3	<6.6	<0.66	<0.66	<0.66	<1.3	<1.3	<1.3	<1.3	<1.3	<3.3	<0.66	<0.66	<0.66	<0.66	<1.3	<0.66	<0.66	<0.66	<3.3	<13
SB-6	2	05/22/14	µg/kg	<0.74	<0.74	<1.5	<7.4	<0.74	<0.74	<0.74	<1.5	<1.5	<1.5	<1.5	<1.5	<3.7	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	<0.74	<3.7	<15
	5	05/22/14	µg/kg	<0.76	<0.76	<1.5	<7.6	<0.76	<0.76	<0.76	<1.5	<1.5	<1.5	<1.5	<1.5	<3.8	<0.76	<0.76	<0.76	<0.76	<1.5	<0.76	<0.76	<0.76	<3.8	<15
	10	05/22/14	µg/kg	<0.73	<0.73	<1.5	<7.3	<0.73	<0.73	<0.73	<1.5	<1.5	<1.5	<1.5	<1.5	<3.6	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<3.6	<15
	15	05/22/14	µg/kg	<0.72	<0.72	<1.4	<7.2	<0.72	<0.72	<0.72	<1.4	<1.4	<1.4	<1.4	<1.4	<3.6	<0.72	<0.72	<0.72	<0.72	<1.4	<0.72	<0.72	<0.72	<3.6	<14
OEF 7 - Former Boiler Room																										
SB-4	2	05/22/14	µg/kg	<1.1	<1.1	<2.1	<11	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<1.1	<1.1	<1.1	<1.1	<2.1	<1.1	<1.1	<1.1	<5.3	<21
	5	05/22/14	µg/kg	<0.96	<0.96	<1.9	<9.6	<0.96	<0.96	<0.96	<1.9	<1.9	<1.9	<1.9	<1.9	<4.8	<0.96	<0.96	<0.96	<0.96	<1.9	<0.96	<0.96	<0.96	<4.8	<19
SB-4B	10	05/22/14	µg/kg	<0.7	<0.7	<1.4	<7	<0.7	<0.7	<0.7	<1.4	<1.4	<1.4	<1.4	<1.4	<3.5	<0.7	<0.7	<0.7	<0.7	<1.4	<0.7	<0.7	<0.7	<3.5	<14
	15	05/22/14	µg/kg	<0.82	<0.82	<1.6	<8.2	<0.82	<0.82	<0.82	<1.6	<1.6	<1.6	<1.6	<1.6	<4.1	<0.82	<0.82	<0.82	<0.82	<1.6	<0.82	<0.82	<0.82	<4.1	<16
OEF 8 - Former POL Building																										
SV-1	2	05/22/14	µg/kg	<0.97	<0.97	<1.9	<9.7	<0.97	<0.97	<0.97	<1.9	<1.9	<1.9	<1.9	<1.9	<4.8	<0.97	<0.97	<0.97	<0.97	<1.9	<0.97	<0.97	<0.97	<4.8	<19
	5	05/22/14	µg/kg	<0.72	<0.72	<1.4	<7.2	<0.72	<0.72	<0.72	<1.4	<1.4	<1.4	<1.4	<1.4	<3.6	<0.72	<0.72	<0.72	<0.72	<1.4	<0.72	<0.72	<0.72	<3.6	<14
	10	05/22/14	µg/kg	<0.91	<0.91	<1.8	<9.1	<0.91	<0.91	<0.91	<1.8	<1.8	<1.8	<1.8	<1.8	<4.6	<0.91	<0.91	<0.91	<0.91	<1.8	<0.91	<0.91	<0.91	<4.6	<18
	15	05/22/14	µg/kg	<0.99	<0.99	<2	<9.9	<0.99	<0.99	<0.99	<2	<2	<2	<2	<2	<4.9	<0.99	<0.99	<0.99	<0.99	<2	<0.99	<0.99	<0.99	<4.9	<20
Screening Criteria																										
RSLs (Residential)				2,000	8,100,000	600	40,000,000	1,100	3,600	230,000	- -	49,000	5.1	24,000	58,000	5.3	36	1,800,000	460	1,000	780,000	- -	1,600,000	2,600	- -	27,000,000
RSLs (Industrial)				8,800	36,000,000	2,700	170,000,000	5,000	16,000	1,000,000	- -	660,000	110	110,000	240,000	64	160	9,300,000	2,000	4,400	12,000,000	- -	23,000,000	11,000	- -	190,000,000

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8260B.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes not analyzed or screening level not available
RSLs = Regional Screening Levels after EPA, May 2014.

AVOCET ENVIRONMENTAL, INC.

Table 2
VOCs in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	c-1,2-Dichloroethene	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane
REC 1 - Former Wastewater Clarifier																									
SV-2	2	05/22/14	µg/kg	<1	<20	<1	<20	<51	**7.6**	<1	<2	<1	<5.1	<20	<1	<1	<10	<1	<1	<2	<1	<20	<2	<1	<2
	5	05/22/14	µg/kg	<0.77	<15	<0.77	<15	<38	<0.77	<0.77	<1.5	<0.77	<3.8	<15	<0.77	<0.77	<7.7	<0.77	<0.77	<1.5	<0.77	<15	<1.5	<0.77	<1.5
	10	05/22/14	µg/kg	<0.75	<15	<0.75	<15	<37	<0.75	<0.75	<1.5	<0.75	<3.7	<15	<0.75	<0.75	<7.5	<0.75	<0.75	<1.5	<0.75	<15	<1.5	<0.75	<1.5
	15	05/22/14	µg/kg	<0.83	<17	<0.83	<17	<42	<0.83	<0.83	<1.7	<0.83	<4.2	<17	<0.83	<0.83	<8.3	<0.83	<0.83	<1.7	<0.83	<17	<1.7	<0.83	<1.7
REC 2 - Corroded Floor and Drain Lines																									
SB-3	2	05/22/14	µg/kg	<0.83	<17	<0.83	<17	<41	**6.9**	<0.83	<1.7	<0.83	<4.1	<17	<0.83	<0.83	<8.3	<0.83	<0.83	<1.7	<0.83	<17	<1.7	<0.83	<1.7
	5	05/22/14	µg/kg	<1.1	<21	<1.1	<21	<53	**2.5**	<1.1	<2.1	<1.1	<5.3	<21	<1.1	<1.1	<11	<1.1	<1.1	<2.1	<1.1	<21	<2.1	<1.1	<2.1
	10	05/22/14	µg/kg	<0.68	<14	<0.68	<14	<34	<0.68	<0.68	<1.4	<0.68	<3.4	<14	<0.68	<0.68	<6.8	<0.68	<0.68	<1.4	<0.68	<14	<1.4	<0.68	<1.4
	15	05/22/14	µg/kg	<0.89	<18	<0.89	<18	<45	<0.89	<0.89	<1.8	<0.89	<4.5	<18	<0.89	<0.89	<8.9	<0.89	<0.89	<1.8	<0.89	<18	<1.8	<0.89	<1.8
SB-8	2	07/01/14	µg/kg	<0.94	<19	<0.94	<19	<47	**4.3**	<0.94	<1.9	<0.94	<4.7	<19	<0.94	<0.94	<9.4	<0.94	<0.94	<1.9	<0.94	<19	<1.9	<0.94	<1.9
	5	07/01/14	µg/kg	<0.84	<17	<0.84	<17	<42	<0.84	<0.84	<1.7	<0.84	<4.2	<17	<0.84	<0.84	<8.4	<0.84	<0.84	<1.7	<0.84	<17	<1.7	<0.84	<1.7
	10	07/01/14	µg/kg	<0.79	<16	<0.79	<16	<39	<0.79	<0.79	<1.6	<0.79	<3.9	<16	<0.79	<0.79	<7.9	<0.79	<0.79	<1.6	<0.79	<16	<1.6	<0.79	<1.6
	15	07/01/14	µg/kg	<0.92	<18	<0.92	<18	<46	<0.92	<0.92	<1.8	<0.92	<4.6	<18	<0.92	<0.92	<9.2	<0.92	<0.92	<1.8	<0.92	<18	<1.8	<0.92	<1.8
SV-3	2	05/22/14	µg/kg	<0.81	<16	<0.81	<16	**47**	**14**	<0.81	<1.6	<0.81	<4.1	<16	<0.81	<0.81	<8.1	<0.81	<0.81	<1.6	<0.81	<16	<1.6	<0.81	<1.6
	5	05/22/14	µg/kg	<0.67	<13	<0.67	<13	<33	<0.67	<0.67	<1.3	<0.67	<3.3	<13	<0.67	<0.67	<6.7	<0.67	<0.67	<1.3	<0.67	<13	<1.3	<0.67	<1.3
	10	05/22/14	µg/kg	<0.73	<15	<0.73	<15	**58**	**0.88**	<0.73	<1.5	<0.73	<3.7	<15	<0.73	<0.73	<7.3	<0.73	<0.73	<1.5	<0.73	<15	<1.5	<0.73	<1.5
	15	05/22/14	µg/kg	<0.72	<14	<0.72	<14	<36	<0.72	<0.72	<1.4	<0.72	<3.6	<14	<0.72	<0.72	<7.2	<0.72	<0.72	<1.4	<0.72	<14	<1.4	<0.72	<1.4
REC 3- Former Hydraulic Vehicle Lifts																									
SB-1	2	05/22/14	µg/kg	<0.86	<17	<0.86	<17	**48**	<0.86	<0.86	<1.7	<0.86	<4.3	<17	<0.86	<0.86	<8.6	<0.86	<0.86	<1.7	<0.86	<17	<1.7	<0.86	<1.7
	5	05/22/14	µg/kg	<0.83	<17	<0.83	<17	<41	<0.83	<0.83	<1.7	<0.83	<4.1	<17	<0.83	<0.83	<8.3	<0.83	<0.83	<1.7	<0.83	<17	<1.7	<0.83	<1.7
	10	05/22/14	µg/kg	<0.67	<13	<0.67	<13	<33	<0.67	<0.67	<1.3	<0.67	<3.3	<13	<0.67	<0.67	<6.7	<0.67	<0.67	<1.3	<0.67	<13	<1.3	<0.67	<1.3
	15	05/22/14	µg/kg	<0.76	<15	<0.76	<15	<38	<0.76	<0.76	<1.5	<0.76	<3.8	<15	<0.76	<0.76	<7.6	<0.76	<0.76	<1.5	<0.76	<15	<1.5	<0.76	<1.5
SB-2	2	05/22/14	µg/kg	<0.82	<16	<0.82	<16	**47**	**40**	<0.82	<1.6	<0.82	<4.1	<16	<0.82	<0.82	<8.2	<0.82	<0.82	<1.6	<0.82	<16	<1.6	<0.82	<1.6
	5	05/22/14	µg/kg	<0.84	<17	<0.84	<17	<42	<0.84	<0.84	<1.7	<0.84	<4.2	<17	<0.84	<0.84	<8.4	<0.84	<0.84	<1.7	<0.84	<17	<1.7	<0.84	<1.7
	10	05/22/14	µg/kg	<0.74	<15	<0.74	<15	<37	<0.74	<0.74	<1.5	<0.74	<3.7	<15	<0.74	<0.74	<7.4	<0.74	<0.74	<1.5	<0.74	<15	<1.5	<0.74	<1.5
	15	05/22/14	µg/kg	<0.92	<18	<0.92	<18	<46	<0.92	<0.92	<1.8	<0.92	<4.6	<18	<0.92	<0.92	<9.2	<0.92	<0.92	<1.8	<0.92	<18	<1.8	<0.92	<1.8
OEF 5 - Diesel Surface Spill																									
SB-5	2	05/22/14	µg/kg	<0.74	<15	<0.74	<15	<37	**18**	<0.74	<1.5	<0.74	<3.7	<15	<0.74	<0.74	<7.4	<0.74	<0.74	<1.5	<0.74	<15	<1.5	<0.74	<1.5
	5	05/22/14	µg/kg	<0.73	<15	<0.73	<15	<37	<0.73	<0.73	<1.5	<0.73	<3.7	<15	<0.73	<0.73	<7.3	<0.73	<0.73	<1.5	<0.73	<15	<1.5	<0.73	<1.5
	10	05/22/14	µg/kg	<0.74	<15	<0.74	<15	<37	**1.2**	<0.74	<1.5	<0.74	<3.7	<15	<0.74	<0.74	<7.4	<0.74	<0.74	<1.5	<0.74	<15	<1.5	<0.74	<1.5
	15	05/22/14	µg/kg	<0.66	<13	<0.66	<13	<33	<0.66	<0.66	<1.3	<0.66	<3.3	<13	<0.66	<0.66	<6.6	<0.66	<0.66	<1.3	<0.66	<13	<1.3	<0.66	<1.3
SB-6	2	05/22/14	µg/kg	<0.74	<15	<0.74	<15	<37	**2.5**	<0.74	<1.5	<0.74	<3.7	<15	<0.74	<0.74	<7.4	<0.74	<0.74	<1.5	<0.74	<15	<1.5	<0.74	<1.5
	5	05/22/14	µg/kg	<0.76	<15	<0.76	<15	<38	<0.76	<0.76	<1.5	<0.76	<3.8	<15	<0.76	<0.76	<7.6	<0.76	<0.76	<1.5	<0.76	<15	<1.5	<0.76	<1.5
	10	05/22/14	µg/kg	<0.73	<15	<0.73	<15	<36	<0.73	<0.73	<1.5	<0.73	<3.6	<15	<0.73	<0.73	<7.3	<0.73	<0.73	<1.5	<0.73	<15	<1.5	<0.73	<1.5
	15	05/22/14	µg/kg	<0.72	<14	<0.72	<14	<36	<0.72	<0.72	<1.4	<0.72	<3.6	<14	<0.72	<0.72	<7.2	<0.72	<0.72	<1.4	<0.72	<14	<1.4	<0.72	<1.4
OEF 7 - Former Boiler Room																									
SB-4	2	05/22/14	µg/kg	<1.1	<21	<1.1	<21	**90**	<1.1	<1.1	<2.1	<1.1	<5.3	<21	<1.1	<1.1	<11	<1.1	<1.1	<2.1	<1.1	<21	<2.1	<1.1	<2.1
	5	05/22/14	µg/kg	<0.96	<19	<0.96	<19	<48	**2.3**	<0.96	<1.9	<0.96	<4.8	<19	<0.96	<0.96	<9.6	<0.96	<0.96	<1.9	<0.96	<19	<1.9	<0.96	<1.9
SB-4B	10	05/22/14	µg/kg	<0.7	<14	<0.7	<14	<35	**1.2**	<0.7	<1.4	<0.7	<3.5	<14	<0.7	<0.7	<7	<0.7	<0.7	<1.4	<0.7	<14	<1.4	<0.7	<1.4
	15	05/22/14	µg/kg	<0.82	<16	<0.82	<16	<41	**1.2**	<0.82	<1.6	<0.82	<4.1	<16	<0.82	<0.82	<8.2	<0.82	<0.82	<1.6	<0.82	<16	<1.6	<0.82	<1.6
OEF 8 - Former POL Building																									
SV-1	2	05/22/14	µg/kg	<0.97	<19	<0.97	<19	<48	<0.97	<0.97	<1.9	<0.97	<4.8	<19	<0.97	<0.97	<9.7	<0.97	<0.97	<1.9	<0.97	<19	<1.9	<0.97	<1.9
	5	05/22/14	µg/kg	<0.72	<14	<0.72	<14	<36	<0.72	<0.72	<1.4	<0.72	<3.6	<14	<0.72	<0.72	<7.2	<0.72	<0.72	<1.4	<0.72	<14	<1.4	<0.72	<1.4
	10	05/22/14	µg/kg	<0.91	<18	<0.91	<18	<46	<0.91	<0.91	<1.8	<0.91	<4.6	<18	<0.91	<0.91	<9.1	<0.91	<0.91	<1.8	<0.91	<18	<1.8	<0.91	<1.8
	15	05/22/14	µg/kg	<0.99	<20	<0.99	<20	<49	<0.99	<0.99	<2	<0.99	<4.9	<20	<0.99	<0.99	<9.9	<0.99	<0.99	<2	<0.99	<20	<2	<0.99	<2
Screening Criteria																									
RSLs (Residential)				1,600,000	200,000	1,600,000	5,300,000	61,000,000	1,200	290,000	150,000	290	67,000	6,800	160,000	- -	770,000	650	280,000	14,000,000	320	110,000	730	23,000	87,000
RSLs (Industrial)				23,000,000	1,300,000	23,000,000	56,000,000	670,000,000	5,100	1,800,000	630,000	1,300	290,000	30,000	2,300,000	- -	3,500,000	2,900	1,300,000	57,000,000	1,400	460,000	3,200	98,000	370,000

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8260B.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes not analyzed or screening level not available
RSLs = Regional Screening Levels after EPA, May 2014.

AVOCET ENVIRONMENTAL, INC.

Object ID	Sample Depth (feet bgs)	Sample Date	Units	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methyl-t-Butyl Ether (MTBE)	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p/m-Xylene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	t-1,2-Dichloroethene	t-1,3-Dichloropropene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
REC 1 - Former Wastewater Clarifier																								
SV-2	2	05/22/14	µg/kg	**1.1**	<1	<10	<2	<10	<1	<2	<1	<2	<1	<1	<1	<1	<2	<1	<1	**7.1**	<2	<10	<10	<1
	5	05/22/14	µg/kg	<0.77	<0.77	<7.7	<1.5	<7.7	<0.77	<1.5	<0.77	<1.5	<0.77	<0.77	<0.77	<0.77	<1.5	<0.77	<0.77	<0.77	<1.5	<7.7	<7.7	<0.77
	10	05/22/14	µg/kg	<0.75	<0.75	<7.5	<1.5	<7.5	<0.75	<1.5	<0.75	<1.5	<0.75	<0.75	<0.75	<0.75	<1.5	<0.75	<0.75	<0.75	<1.5	<7.5	<7.5	<0.75
	15	05/22/14	µg/kg	<0.83	<0.83	<8.3	<1.7	<8.3	<0.83	<1.7	<0.83	<1.7	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83	<0.83	<0.83	<1.7	<8.3	<8.3	<0.83
REC 2 - Corroded Floor and Drain Lines																								
SB-3	2	05/22/14	µg/kg	**1.1**	<0.83	<8.3	<1.7	<8.3	<0.83	<1.7	<0.83	<1.7	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83	<0.83	**7.1**	<1.7	<8.3	<8.3	<0.83
	5	05/22/14	µg/kg	<1.1	<1.1	<11	<2.1	<11	<1.1	<2.1	<1.1	<2.1	<1.1	<1.1	<1.1	<1.1	<2.1	<1.1	<1.1	**3**	<2.1	<11	<11	<1.1
	10	05/22/14	µg/kg	<0.68	<0.68	<6.8	<1.4	<6.8	<0.68	<1.4	<0.68	<1.4	<0.68	<0.68	<0.68	<0.68	<1.4	<0.68	<0.68	<0.68	<1.4	<6.8	<6.8	<0.68
	15	05/22/14	µg/kg	<0.89	<0.89	<8.9	<1.8	<8.9	<0.89	<1.8	<0.89	<1.8	<0.89	<0.89	<0.89	<0.89	<1.8	<0.89	<0.89	<0.89	<1.8	<8.9	<8.9	<0.89
SB-8	2	07/01/14	µg/kg	<0.94	<0.94	<9.4	<1.9	<9.4	<0.94	<1.9	<0.94	<1.9	<0.94	<0.94	<0.94	<0.94	<1.9	<0.94	<0.94	**3.5**	<1.9	<9.4	<9.4	<0.94
	5	07/01/14	µg/kg	<0.84	<0.84	<8.4	<1.7	<8.4	<0.84	<1.7	<0.84	<1.7	<0.84	<0.84	<0.84	<0.84	<1.7	<0.84	<0.84	<0.84	<1.7	<8.4	<8.4	<0.84
	10	07/01/14	µg/kg	<0.79	<0.79	<7.9	<1.6	<7.9	<0.79	<1.6	<0.79	<1.6	<0.79	<0.79	<0.79	<0.79	<1.6	<0.79	<0.79	<0.79	<1.6	<7.9	<7.9	<0.79
	15	07/01/14	µg/kg	<0.92	<0.92	<9.2	<1.8	<9.2	<0.92	<1.8	<0.92	<1.8	<0.92	<0.92	<0.92	<0.92	<1.8	<0.92	<0.92	<0.92	<1.8	<9.2	<9.2	<0.92
SV-3	2	05/22/14	µg/kg	**3.4**	<0.81	<8.1	<1.6	<8.1	<0.81	<1.6	**2.2**	**6.5**	<0.81	<0.81	<0.81	<0.81	<1.6	<0.81	<0.81	**16**	<1.6	<8.1	<8.1	<0.81
	5	05/22/14	µg/kg	**1.5**	<0.67	<6.7	<1.3	<6.7	<0.67	<1.3	**2.7**	**7.5**	<0.67	<0.67	<0.67	<0.67	<1.3	<0.67	<0.67	<0.67	<1.3	<6.7	<6.7	<0.67
	10	05/22/14	µg/kg	**1.1**	<0.73	<7.3	<1.5	<7.3	<0.73	<1.5	**2.3**	**5.2**	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<1.5	<7.3	<7.3	<0.73
	15	05/22/14	µg/kg	<0.72	<0.72	<7.2	<1.4	<7.2	<0.72	<1.4	<0.72	<1.4	<0.72	<0.72	<0.72	<0.72	<1.4	<0.72	<0.72	<0.72	<1.4	<7.2	<7.2	<0.72
REC 3- Former Hydraulic Vehicle Lifts																								
SB-1	2	05/22/14	µg/kg	<0.86	<0.86	<8.6	<1.7	<8.6	<0.86	<1.7	<0.86	**2.4**	<0.86	<0.86	<0.86	<0.86	<1.7	<0.86	<0.86	<0.86	<1.7	<8.6	<8.6	<0.86
	5	05/22/14	µg/kg	<0.83	<0.83	<8.3	<1.7	<8.3	<0.83	<1.7	<0.83	<1.7	<0.83	<0.83	<0.83	<0.83	<1.7	<0.83	<0.83	<0.83	<1.7	<8.3	<8.3	<0.83
	10	05/22/14	µg/kg	<0.67	<0.67	<6.7	<1.3	<6.7	<0.67	<1.3	<0.67	<1.3	<0.67	<0.67	<0.67	<0.67	<1.3	<0.67	<0.67	<0.67	<1.3	<6.7	<6.7	<0.67
	15	05/22/14	µg/kg	<0.76	<0.76	<7.6	<1.5	<7.6	<0.76	<1.5	<0.76	<1.5	<0.76	<0.76	<0.76	<0.76	<1.5	<0.76	<0.76	<0.76	<1.5	<7.6	<7.6	<0.76
SB-2	2	05/22/14	µg/kg	**9.4**	<0.82	<8.2	<1.6	<8.2	<0.82	<1.6	**5.4**	**14**	<0.82	<0.82	<0.82	<0.82	<1.6	<0.82	<0.82	**49**	<1.6	<8.2	<8.2	<0.82
	5	05/22/14	µg/kg	<0.84	<0.84	<8.4	<1.7	<8.4	<0.84	<1.7	<0.84	<1.7	<0.84	<0.84	<0.84	<0.84	<1.7	<0.84	<0.84	<0.84	<1.7	<8.4	<8.4	<0.84
	10	05/22/14	µg/kg	<0.74	<0.74	<7.4	<1.5	<7.4	<0.74	<1.5	<0.74	<1.5	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	<0.74	<1.5	<7.4	<7.4	<0.74
	15	05/22/14	µg/kg	<0.92	<0.92	<9.2	<1.8	<9.2	<0.92	<1.8	<0.92	<1.8	<0.92	<0.92	<0.92	<0.92	<1.8	<0.92	<0.92	<0.92	<1.8	<9.2	<9.2	<0.92
OEF 5 - Diesel Surface Spill																								
SB-5	2	05/22/14	µg/kg	**2.1**	<0.74	<7.4	<1.5	<7.4	<0.74	<1.5	**1.1**	**2.4**	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	**14**	<1.5	<7.4	<7.4	<0.74
	5	05/22/14	µg/kg	<0.73	<0.73	<7.3	<1.5	<7.3	<0.73	<1.5	<0.73	<1.5	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<1.5	<7.3	<7.3	<0.73
	10	05/22/14	µg/kg	<0.74	<0.74	<7.4	<1.5	<7.4	<0.74	<1.5	<0.74	<1.5	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	**0.74**	<1.5	<7.4	<7.4	<0.74
	15	05/22/14	µg/kg	<0.66	<0.66	<6.6	<1.3	<6.6	<0.66	<1.3	<0.66	<1.3	<0.66	<0.66	<0.66	<0.66	<1.3	<0.66	<0.66	<0.66	<1.3	<6.6	<6.6	<0.66
SB-6	2	05/22/14	µg/kg	<0.74	<0.74	<7.4	<1.5	<7.4	<0.74	<1.5	<0.74	<1.5	<0.74	<0.74	<0.74	<0.74	<1.5	<0.74	<0.74	**2.2**	<1.5	<7.4	<7.4	<0.74
	5	05/22/14	µg/kg	<0.76	<0.76	<7.6	<1.5	<7.6	<0.76	<1.5	<0.76	<1.5	<0.76	<0.76	<0.76	<0.76	<1.5	<0.76	<0.76	<0.76	<1.5	<7.6	<7.6	<0.76
	10	05/22/14	µg/kg	<0.73	<0.73	<7.3	<1.5	<7.3	<0.73	<1.5	<0.73	<1.5	<0.73	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<1.5	<7.3	<7.3	<0.73
	15	05/22/14	µg/kg	<0.72	<0.72	<7.2	<1.4	<7.2	<0.72	<1.4	<0.72	<1.4	<0.72	<0.72	<0.72	<0.72	<1.4	<0.72	<0.72	<0.72	<1.4	<7.2	<7.2	<0.72
OEF 7 - Former Boiler Room																								
SB-4	2	05/22/14	µg/kg	<1.1	<1.1	<11	<2.1	<11	<1.1	<2.1	<1.1	<2.1	<1.1	<1.1	<1.1	<1.1	<2.1	<1.1	<1.1	<1.1	<2.1	<11	<11	<1.1
	5	05/22/14	µg/kg	<0.96	<0.96	<9.6	<1.9	<9.6	<0.96	<1.9	<0.96	<1.9	<0.96	<0.96	<0.96	<0.96	<1.9	<0.96	<0.96	**2**	<1.9	<9.6	<9.6	<0.96
SB-4B	10	05/22/14	µg/kg	<0.7	<0.7	<7	<1.4	<7	<0.7	<1.4	<0.7	<1.4	<0.7	<0.7	<0.7	<0.7	<1.4	<0.7	<0.7	<0.7	<1.4	<7	<7	<0.7
	15	05/22/14	µg/kg	<0.82	<0.82	<8.2	<1.6	<8.2	<0.82	<1.6	<0.82	<1.6	<0.82	<0.82	<0.82	<0.82	<1.6	<0.82	<0.82	**0.83**	<1.6	<8.2	<8.2	<0.82
OEF 8 - Former POL Building																								
SV-1	2	05/22/14	µg/kg	<0.97	<0.97	<9.7	<1.9	<9.7	<0.97	<1.9	<0.97	<1.9	<0.97	<0.97	<0.97	<0.97	<1.9	<0.97	<0.97	<0.97	<1.9	<9.7	<9.7	<0.97
	5	05/22/14	µg/kg	<0.72	<0.72	<7.2	<1.4	<7.2	<0.72	<1.4	<0.72	<1.4	<0.72	<0.72	<0.72	<0.72	<1.4	<0.72	<0.72	<0.72	<1.4	<7.2	<7.2	<0.72
	10	05/22/14	µg/kg	<0.91	<0.91	<9.1	<1.8	<9.1	<0.91	<1.8	<0.91	<1.8	<0.91	<0.91	<0.91	<0.91	<1.8	<0.91	<0.91	<0.91	<1.8	<9.1	<9.1	<0.91
	15	05/22/14	µg/kg	<0.99	<0.99	<9.9	<2	<9.9	<0.99	<2	<0.99	<2	<0.99	<0.99	<0.99	<0.99	<2	<0.99	<0.99	<0.99	<2	<9.9	<9.9	<0.99
Screening Criteria																								
RSLs (Residential)				5,800	1,900,000	57,000	47,000	3,800	3,900,000	3,300,000	650,000	560,000	- -	7,800,000	6,000,000	1,600,000	- -	7,800,000	24,000	4,900,000	940	730,000	910,000	59
RSLs (Industrial)				25,000	9,900,000	1,000,000	210,000	17,000	58,000,000	22,000,000	2,800,000	2,400,000	- -	120,000,000	35,000,000	23,000,000	- -	120,000,000	100,000	47,000,000	6,000	3,100,000	3,800,000	1,700

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8260B.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes not analyzed or screening level not available
RSLs = Regional Screening Levels after EPA, May 2014.

AVOCET ENVIRONMENTAL, INC.

Table 3
SVOCs in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1-Methylnaphthalene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3/4-Methylphenol	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl-Phenyl Ether	4-Chloro-3-Methylphenol
REC 1 - Former Wastewater Clarifier																											
SV-2	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
REC 3- Former Hydraulic Vehicle Lifts																											
SB-1	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
SB-2	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
OEF 7 - Former Boiler Room																											
SB-4	2	05/22/14	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<20	<1	<1	<5	<1	<1
	5	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
OEF 8 - Former POL Building																											
SV-1	2	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
	5	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<2.5	<0.5	<0.5
Screening Criteria																											
RSLs (Residential)				24	1,800	- -	2.6	17	6,200	48	180	1,200	120	1.7	0.36	6,300	390	230	3,100	610	- -	1.2	- -	- -	4.9	- -	6,200
RSLs (Industrial)				110	9,300	- -	11	73	82,000	210	2,500	16,000	1,600	7.4	1.5	93,000	5,800	3,000	41,000	8,000	- -	5.1	- -	- -	66	- -	82,000
CHHSLs (Residential)				- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
CHHSLs (Industrial)				- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8270C
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
RSLs = Regional Screening Levels after EPA, May 2014.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010

AVOCET ENVIRONMENTAL, INC.

Table 3
SVOCs in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	4-Chloroaniline	4-Chlorophenyl-Phenyl Ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Azobenzene	Benzidine	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoranthene	Benzo (g,h,i) Perylene	Benzo (k) Fluoranthene	Benzoic Acid	Benzyl Alcohol	Bis(2-Chloroethoxy) Methane	Bis(2-Chloroethyl) Ether	Bis(2-Chloroisopropyl) Ether	Bis(2-Ethylhexyl) Phthalate	Butyl Benzyl Phthalate	Chrysene
REC 1 - Former Wastewater Clarifier																										
SV-2	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
REC 3- Former Hydraulic Vehicle Lifts																										
SB-1	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
SB-2	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
OEF 7 - Former Boiler Room																										
SB-4	2	05/22/14	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<20	<1	<1	<1	<1	<1	<5	<1	<1	<5	<1	<1	<1	<1
	5	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
OEF 8 - Former POL Building																										
SV-1	2	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	5	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
Screening Criteria																										
RSLs (Residential)				2.7	- -	27	- -	3,500	- -	93	17,000	5.6	0.0005	0.15	0.015	0.15	- -	1.5	250,000	6,200	180	0.23	- -	38	280	15
RSLs (Industrial)				12	- -	120	- -	45,000	- -	410	230,000	26	0.01	2.9	0.29	2.9	- -	29	#########	82,000	2,500	1	- -	160	1,200	290
CHHSLs (Residential)				- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0.038	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
CHHSSLs (Industrial)				- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0.13	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8270C
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
RSLs = Regional Screening Levels after EPA, May 2014.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010

AVOCET ENVIRONMENTAL, INC.

Object ID	Sample Depth (feet bgs)	Sample Date	Units	Dibenz (a,h) Anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Di-n-Butyl Phthalate	Di-n-Octyl Phthalate	Fluoranthene	Fluorene	Hexachloro-1,3-Butadiene	Hexachlorobenzene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-c,d) Pyrene	Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
REC 1 - Former Wastewater Clarifier																											
SV-2	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
REC 3- Former Hydraulic Vehicle Lifts																											
SB-1	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
SB-2	10	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
OEF 7 - Former Boiler Room																											
SB-4	2	05/22/14	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	**1.1**	<1
	5	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
OEF 8 - Former POL Building																											
SV-1	2	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
	5	05/22/14	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5
Screening Criteria																											
RSLs (Residential)				0.015	72	49,000	- -	6,200	620	2,300	2,300	6.8	0.33	370	13	0.15	560	3.8	5.1	0.0023	0.076	110	0.99	- -	18,000	1,700	78
RSLs (Industrial)				0.29	1,000	660,000	- -	82,000	8,200	30,000	30,000	30	1.4	4,900	58	2.9	2,400	17	22	0.045	0.33	470	4.0	- -	250,000	23,000	1,200
CHHSLs (Residential)				- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	4.4	- -	- -	- -	- -
CHHSSLs (Industrial)				- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	13	- -	- -	- -	- -

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8270C
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
RSLs = Regional Screening Levels after EPA, May 2014.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010

AVOCET ENVIRONMENTAL, INC.

Table 4
Metals in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
REC 2 - Corroded Floor and Drain Lines																				
SB-3	2	05/22/14	mg/kg	<0.732	**1.11**	**161**	**0.469**	<0.488	**19.4**	**11.5**	**24.6**	**5.89**	<0.0769	<0.244	**13.9**	<0.732	<0.244	<0.732	**39.9**	**65.2**
	5	05/22/14	mg/kg	<0.732	<0.732	**87.2**	**0.267**	<0.488	**9.51**	**5.24**	**7.35**	**1.05**	<0.0862	<0.244	**5.62**	<0.732	<0.244	<0.732	**13.9**	**22.1**
SB-8	2	07/01/14	mg/kg	<0.735	**3.81**	**185**	**0.27**	**6.79**	**37.4**	**9.29**	**126**	**355**	**0.126**	**0.908**	**20.1**	<0.735	<0.245	<0.735	**22**	**581**
	5	07/01/14	mg/kg	<0.758	<0.758	**85**	**0.357**	<0.505	**11.9**	**8.12**	**7.13**	**2.9**	<0.0862	**0.774**	**10.7**	<0.758	<0.253	<0.758	**21.9**	**25.8**
SV-3	2	05/22/14	mg/kg	<0.754	**2.37**	**70.3**	<0.251	<0.503	**7.67**	**6.3**	**15.1**	**6.44**	<0.082	<0.251	**6.71**	<0.754	<0.251	<0.754	**18.3**	**39.2**
	5	05/22/14	mg/kg	<0.761	**1.79**	**67.9**	**0.344**	<0.508	**11.7**	**7.49**	**6.49**	**2.98**	<0.0794	**0.707**	**7.42**	<0.761	<0.254	<0.761	**32.3**	**28.3**
OEF 7 - Former Boiler Room																				
SB-4	2	05/22/14	mg/kg	<0.75	**4.81**	**93.8**	**0.271**	<0.5	**10.6**	**4.55**	**18.2**	**43.2**	**0.107**	**0.338**	**8.6**	<0.75	<0.25	<0.75	**18.3**	**98.7**
	5	05/22/14	mg/kg	<0.75	**2.19**	**136**	**0.346**	<0.5	**13.4**	**8.34**	**14.6**	**5.52**	<0.0833	**0.794**	**10.3**	<0.75	<0.25	<0.75	**33.7**	**44.6**
Screening Criteria																				
RSLs (Residential)				31	0.67	15,000	160	70	120,000	23	3,100	400	9	390	1,500	390	390	0.78	390	23,000
RSLs (Industrial)				470	3.0	220,000	2,300	980	1,800,000	350	47,000	800	40	5,800	22,000	5,800	5,800	12	5,800	350,000
CHHSLs (Residential)				30	0.7	5,200	16	1.7	100,000	660	3,000	80	18	380	1,600	380	380	5	530	23,000
CHHSLs (Industrial)				380	2.4	63,000	190	7.5	100,000	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700	100,000

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Methods 6010B/7471A.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
RSLs = Regional Screening Levels after EPA, May 2014.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010
Yellow shading denotes concentration exceeds residential CHHSL
Orange shading denotes concentration exceeds industrial CHHSL

AVOCET ENVIRONMENTAL, INC.

Table 5
PCBs in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262
REC 3- Former Hydraulic Vehicle Lifts											
SB-1	10	05/22/14	µg/kg	<50	<50	<50	<50	<50	<50	<50	<50
	15	05/22/14	µg/kg	<50	<50	<50	<50	<50	<50	<50	<50
SB-2	10	05/22/14	µg/kg	<50	<50	<50	<50	<50	<50	<50	<50
	15	05/22/14	µg/kg	<50	<50	<50	<50	<50	<50	<50	<50
OEF 6 - Transformer Oil Spill											
SB-7	2	05/22/14	µg/kg	<50	<50	<50	<50	<50	<50	<50	<50
Screening Criteria											
RSLs (Residential)				4,000	150	150	240	240	240	240	- -
RSLs (Industrial)				30,000	660	660	1,000	1,000	1,000	1,000	- -
CHHSLs (Residential)				89	89	89	89	89	89	89	89
CHHSLs (Industrial)				300	300	300	300	300	300	300	300

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Method 8082.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
- - Denotes screening level not available.
RSLs = Regional Screening Levels after EPA, May 2014.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23,

Table 6
Organochlorine Pesticides in Soil Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Alpha-BHC	Beta-BHC	Chlordane	Delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Gamma-BHC	Heptachlor	Heptachlor Epoxide	Methoxy-chlor	Toxaphene
SB-3	2	05/22/14	µg/kg	<5	<5	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100
SB-4	2	05/22/14	µg/kg	<5	**370**	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100
SB-5	2	05/22/14	µg/kg	<5	<5	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100
Screening Criteria																							
RSLs (Residential)				2,200	1,600	1,900	31	85	300	- -	- -	33	- -	- -	- -	18,000	- -	- -	560	120	59	310,000	480
RSLs (Industrial)				9,600	6,800	8,600	140	370	1,300	- -	- -	140	- -	- -	- -	250,000	- -	- -	2,500	510	250	4,100,000	2,100
CHHSLs (Residential)				2,300	1,600	1,600	33	- -	- -	430	- -	35	- -	- -	- -	21,000	- -	- -	500	130	- -	340,000	460
CHHSLs (Industrial)				9,000	6,300	6,300	130	- -	- -	1,700	- -	130	- -	- -	- -	230,000	- -	- -	2,000	520	- -	3,800,000	1,800

Notes:
Analyses conducted by Calscience/Eurofins Calscience using EPA Methods 8081A.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
RSLs = Regional Screening Levels after EPA, May 2014.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010

AVOCET ENVIRONMENTAL, INC.

Table 7
VOCs in Soil Vapor Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2 Trichlorotrifluoroethane (F113)	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,1-Difluoroethane (LDC)	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane (EDC)	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
REC 1 - Former Wastewater Clarifier																								
SV-2	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
(Dup.)	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
REC 2 - Corroded Floor and Drain Lines																								
SV-3	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
OEF 8 - Former POL Building																								
SV-1	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
Screening Criteria																								
CHHSLs (Residential)				- -	990	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0.05	- -	- -	- -	- -
CHHSLs (Industrial)				- -	2,800	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0.17	- -	- -	- -	- -

Notes:
Analyses conducted by H&P Mobile Geochemistry, Inc. using EPA Method 8260.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010
Orange shading indicates reported concentration exceeds industrial CHHSL

AVOCET ENVIRONMENTAL, INC.

Table 7
VOCs in Soil Vapor Samples
Former Compton-Parmelee Armory
2320 North Parmelee Ave, Compton, California

Object ID	Sample Depth (feet bgs)	Sample Date	Units	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Chlorotoluene	4-Chlorotoluene	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane (F12)	Ethylbenzene
REC 1 - Former Wastewater Clarifier																								
SV-2	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	**0.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
(Dup.)	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	**0.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
REC 2 - Corroded Floor and Drain Lines																								
SV-3	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**6.5**
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.2**
OEF 8 - Former POL Building																								
SV-1	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Screening Criteria																								
CHHSLs (Residential)				- -	- -	- -	- -	0.036	- -	- -	- -	- -	- -	0.025	- -	- -	- -	- -	16	- -	- -	- -	- -	0.42
CHHSLs (Industrial)				- -	- -	- -	- -	0.12	- -	- -	- -	- -	- -	0.085	- -	- -	- -	- -	44	- -	- -	- -	- -	1.4

Notes:
Analyses conducted by H&P Mobile Geochemistry, Inc. using EPA Method 8260.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010
Orange shading indicates reported concentration exceeds industrial CHHSL

AVOCET ENVIRONMENTAL, INC.

Object ID	Sample Depth (feet bgs)	Sample Date	Units	Hexachlorobutadiene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl tertiary-butyl ether (MTBE)	Methylene chloride (Dichloromethane)	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (F11)	Vinyl chloride
REC 1 - Former Wastewater Clarifier																							
SV-2	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
	15	05/22/14	µg/L	<0.5	<0.5	**0.91**	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
(Dup.)	15	05/22/14	µg/L	<0.5	<0.5	**1.2**	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
REC 2 - Corroded Floor and Drain Lines																							
SV-3	5	05/22/14	µg/L	<0.5	<0.5	**25**	<0.5	<0.5	<0.1	<0.5	<0.5	**7**	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
	15	05/22/14	µg/L	<0.5	<0.5	**8.5**	<0.5	<0.5	<0.1	<0.5	<0.5	**2.4**	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
OEF 8 - Former POL Building																							
SV-1	5	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
	15	05/22/14	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<0.5	<0.5	<0.1	<0.5	<0.05
Screening Criteria																							
CHHSLs (Residential)				- -	- -	320	4	- -	0.032	- -	- -	320	- -	- -	- -	- -	0.18	140	32	- -	0.53	- -	0.013
CHHSLs (Industrial)				- -	- -	890	13	- -	0.11	- -	- -	880	- -	- -	- -	- -	0.6	380	89	- -	1.8	- -	0.045

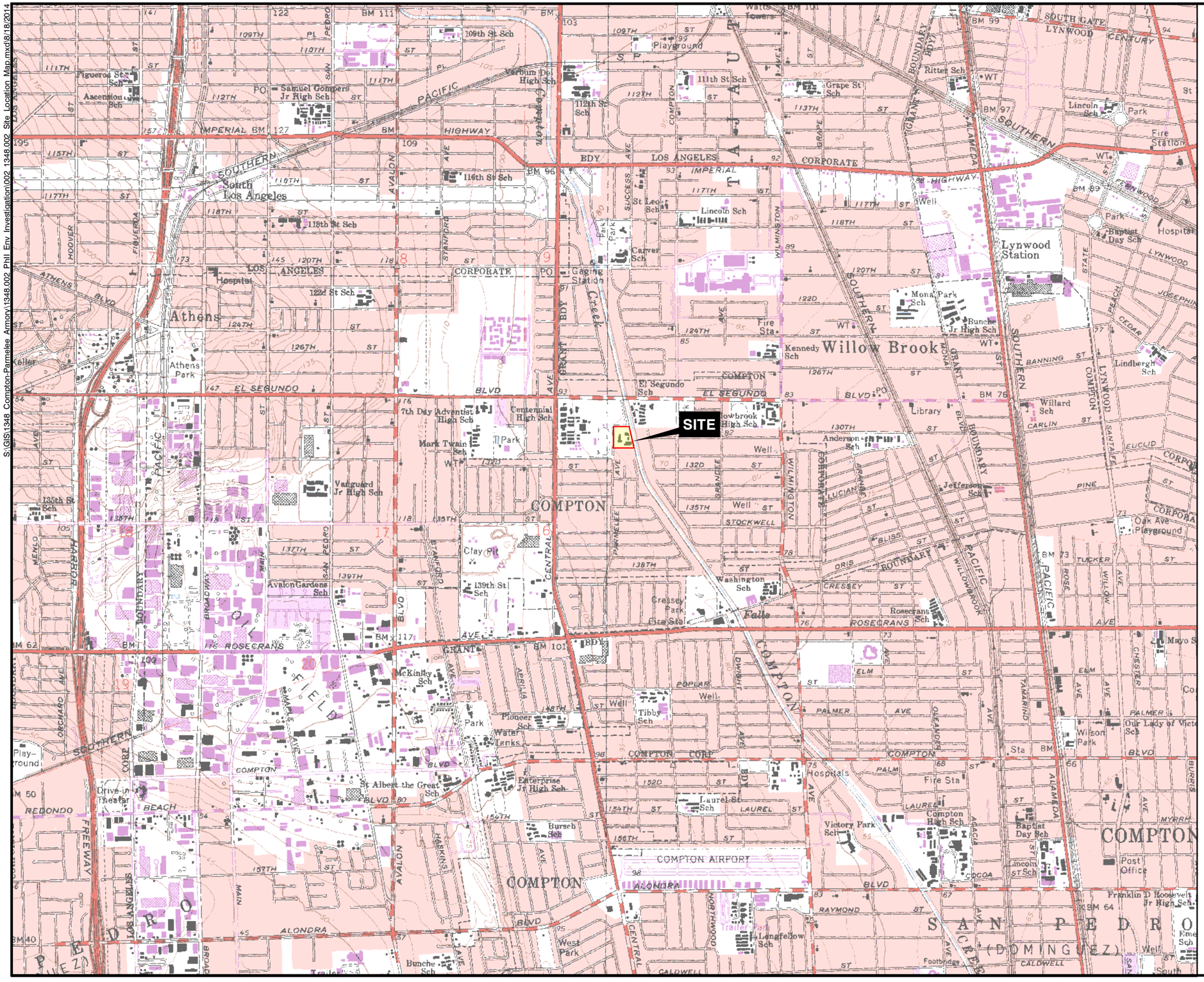
Notes:
Analyses conducted by H&P Mobile Geochemistry, Inc. using EPA Method 8260.
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated.
Bold type indicates reported at detectable concentration.
- - Denotes screening level not available.
CHHSLs = California Human Health Screening Levels after Office of Environmental Health Hazard Assessment (OEHHA), September 23, 2010
Orange shading indicates reported concentration exceeds industrial CHHSL

AVOCET ENVIRONMENTAL, INC.

Figures

AVOCET
ENVIRONMENTAL, INC.

S:\GIS\1348 Compton-Parmelee Armory\1348.002 PhII Env Investigation\002 1348.002 Site Location Map.mxd\8/18/2014



REFERENCE:
7.5 MINUTE U.S.G.S. TOPOGRAPHIC MAPS
OF INGLEWOOD, AND SOUTHGATE, CALIFORNIA
DATED: 1964
PHOTOREVISED: 1981

0 1,000 2,000 4,000
Feet

FIGURE 1

SITE LOCATION MAP

FORMER COMPTON - PARMELEE ARMORY
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

S:\GIS\1348_Compton-Parmelee_Armory\1348.002_PhII_Env_Investigation\001_1348.002_Site_Plan.mxd\8/18/2014

N

EXPLANATION

- SOIL BORING (AVOCET, 2014)
- SOIL VAPOR SAMPLE (AVOCET, 2014)
- PREVIOUS BORING LOCATION (AMEC, 2004)
- APPROXIMATE LOCATION OF FORMER BUILDING

REFERENCE:
IMAGERY ©2014 DIGITALGLOBE, U.S. GEOLOGICAL SURVEY, MAP DATA ©2014 GOOGLE

NOTE:
ALL SITE FEATURES ARE APPROXIMATE

0 30 60 120 Feet

FIGURE 2

SITE PLAN

FORMER COMPTON - PARMELEE ARMORY
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

V:\1348_Compton-Parmelee_Armory\1348.002_PhII_Env_Investigation\001_1348.002_OMS_Building_Plan.dwg\08/18/14

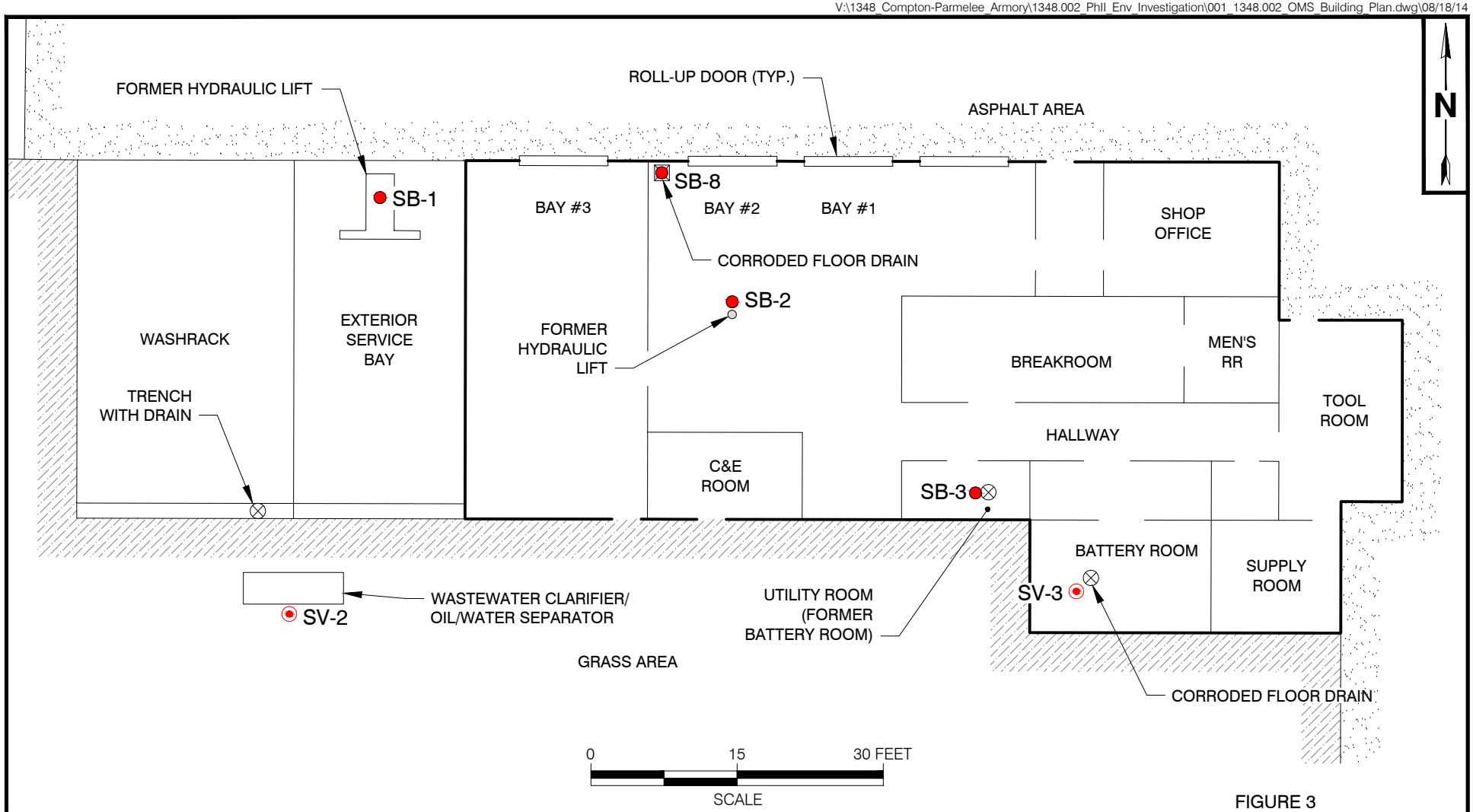


FIGURE 3

FORMER OMS BUILDING

FORMER COMPTON PARMELEE ARMORY
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

EXPLANATION

- SOIL BORING LOCATION (AVOCET, 2014)
- SOIL GAS SAMPLE LOCATION (AVOCET, 2014)

SOURCE:
CALIFORNIA ARMY NATIONAL GUARD.
NATL GUARD COMPOMS.DGN SAC LJB
9/20/99

AVOCET ENVIRONMENTAL, INC.

Appendix A

Boring Logs

AVOCET
ENVIRONMENTAL, INC.

Key to Soil Symbols and Terms

Major Divisions		Graphic Log	USCS Symbols	Typical Names
Coarse-Grained Soils (More than half of material is larger than No. 200 sieve)				
GRAVELS (More than half of coarse fraction is larger than No. 4 sieve.)	Clean Gravel (little or no fines)		GW	Well graded gravels, gravel-sand mixtures
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
	Gravels with Fines (appreciable amounts of fines)		GM	Silty gravels, gravel-sand silt mixtures
			GC	Clayey gravels, gravel-sand, clay mixture
SANDS (More than half of coarse fraction is smaller than No. 4 sieve)	Clean Sands (little or no fines)		SW	Well graded sands, gravelly sand, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
	Sands and Fines (appreciable amounts of fines)		SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils (More than half of material is smaller than No. 200 Sieve)				
SILTS AND CLAYS (Liquid limit less than 50)			ML	Silts and very fine sands, rock-flour, silty or clayey fine sands, or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
SILTS AND CLAYS (Liquid limit greater than 50)			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils

Terms used in this report for describing soils according to their texture or grain size distributions are generally in accordance with the Unified Soil Classification System

Terms Describing Density and Consistency

COARSE-GRAINED SOILS (major portion retained on No. 200 sieve) include (1) clean gravels, (2) silty or clayey gravels, and (3) silty, clayey or gravelly sand. Relative density is related to SPT blow count corrected for overburden pressure or drive energy.

Relative Density	SPT "N" Value (Blows/ft)	Relative Density %	Characteristic
Very Loose	0 - 4	0 - 15	Easily penetrated with 1/2-inch reinforcing rod pushed by hand
Loose	4 - 10	15 - 40	Easily penetrated with 1/2-inch reinforcing rod pushed by hand
Medium Dense	10 - 30	40 - 70	Penetrated a foot with 1/2-inch reinforcing rod driven with a 5-lb hammer
Dense	30 - 50	70 - 85	Penetrated a foot with 1/2-inch reinforcing rod driven with a 5-lb hammer
Very Dense	>50	85 - 100	Penetrated only a few inches with 1/2-inch reinforcing rod driven with a 5-lb hammer

FINE-GRAINED SOILS (major portion retained on No. 200 sieve) include (1) inorganic and organic silts and clays, (2) gravelly, sandy or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength, as indicated by penetrometer readings, direct shear, or SPT blow count.

Consistency	SPT "N" Value (Blows/ft)	Characteristic
Very Soft	0 - 2	Easily penetrated a few inches by fist
Soft	2 - 4	Easily penetrated a few inches by thumb
Firm	4 - 8	Penetrated a few inches by thumb with effort
Stiff	8 - 16	Readily indented by thumb, but penetrated only with great effort
Very Stiff	16 - 32	Readily indented by thumbnail
Hard	>32	Indented with difficulty

Note: Characteristics and blow counts considered uncemented deposits only. Blow count (blow/foot) is by Standard Penetration Test (SPT): 2-inch diameter sampler driven by 140-pound hammer free falling 30-inches.

Terms Characterizing Soil Structure

SLICKENSIDED	Having inclined planes of weakness that are slick and glossy in appearance
FISSURED	Having shrinkage cracks, frequently filled with fine sand or silt, usually vertical
LAMINATED	Composed of thin layers of varying color and texture
INTERBEDDED	Composed of alternate layers of different soil types
CALCAREOUS	Containing appreciable quantities of calcium carbonate
WELL GRADED	Wide range in grain sizes and substantial amounts of intermediate particle sizes
POORLY GRADED	Mostly one grain size, or having a range of sizes without some intermediate sizes
POROUS	Having visibly apparent void spaces through which water, air, or light may pass

Soil Moisture

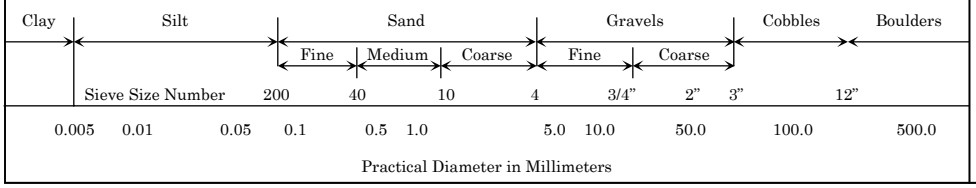
From low to high, soil moisture is indicated by:

DRY	No apparent moisture
SLIGHTLY MOIST	Slight moisture content (well below optimum)
MOIST	Near optimum moisture content for compaction
VERY MOIST	Over optimum moisture content
WET	Water completely fills soil voids (e.g. below water table)

Size Proportions

DESIGNATION	PERCENT BY WEIGHT
TRACE	1 to 10
LITTLE	10 to 20
SOME	20 to 30

Grain Size Distribution



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-1

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791289.30
Easting: 6485912.11
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								**Artificial Fill (Af)**
2	SB-1-2			90	0		SM	Light yellowish brown (2.5Y 6/4), SILTY SAND, dry, loose, approximately 80% fine- to medium-grained sand, 20% fines, no stain, no odor.
4	SB-1-5			80	0			-as above
6								
8								**Alluvium**
10	SB-1-10			70	0		SM	Light olive brown (2.5Y 5/4), SILTY SAND, moist, dense, approximately 80% medium-grained sand, 20% fines, no staining, no odor.
12								
14	SB-1-15			70	0			-as above
16								
18								
20								

Total depth 16 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-2

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791298.15
Easting: 6485876.13
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Concrete floor slab (12")
2	SB-2-2			80	0		ML	**Artificial Fill (Af)** Very dark grayish brown, SANDY SILT, most, firm, approximately 70% fines, 30% fine-grained sand, no plasticity, no staining, no odor.
4								**Alluvium**
6	SB-2-5			80	0		SM	Olive brown (2.5Y 4/4), SILTY SAND, moist, dense, approximately 60% fine- to medium-grained sand, 40% fines, no staining, no odor.
8								
10	SB-2-10			70	0			-as above
12								
14								
16	SB-2-15			70	0		SP	Olive brown (2.5Y 4/4), poorly graded SAND, dry, dense, approximately 95% medium-grained sand, 5% fines, friable no staining, no odor.
18								
20								

Total depth 16 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-3

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791270.25
Easting: 6485937.58
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Concrete floor slab (3")
							SM	**Artificial Fill (Af)** Gray (2.5Y 6/1), SILTY SAND, dry, loose, approximately 80% fine- to medium-grained sand, 20% fines, no staining, no odor.
2	SB-3-2			60	0			
								Alluvium
4	SB-3-5			90	0		ML	Dark grayish brown (2.5Y 4/2), SILT, moist, firm, approximately 90% fines, 10% fine-grained sand, low plasticity, no staining, no odor.
6								
8								
10	SB-3-10			75	0		SM	Dark grayish brown (2.5Y 4/2), SILTY SAND, moist, dense, approximately 75% fine- to medium-grained sand, 25% fines, no staining, no odor.
12								
14	SB-3-15			70	0			-as above
16								
18								
20								

Total depth 16 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-4

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791125.91
Easting: 6485820.40
Elevation: -
Boring Depth: 6 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								
								Artificial Fill (Af)
2	SB-4-2			60	0		SP	Gray (2.5Y 6/1), poorly graded SAND, dry, loose, approximately 65% fine- to medium-grained sand, 30% subangular gravel to 1/2-inch, 5% fines, no staining, no odor.
4								
	SB-4-5			60	0			Refusal (concrete?)
6								
8								
10								
12								
14								
16								
18								
20								

Total depth 6 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-4B

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791110.96
Easting: 6485818.65
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Concrete slab (3")
							SM	**Artificial Fill (Af)** Olive brown (2.5Y 4/4), SILTY SAND, dry, medium dense, approximately 75% fine- to medium-grained sand, 25% fines, no staining, no odor.
2								
4								
6								**Alluvium**
8								
10	SB-4B-10			70	0		ML	Olive brown (2.5Y 4/4), SANDY SILT, moist, firm, approximately 70% fines, 30% fine- to medium-grained sand, no plasticity, no staining, no odor.
12								
14								
16	SB-4B-15			60	0			-as above
18								
20								

Total depth 16 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-5

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791379.13
Easting: 6485909.52
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Asphalt (3")
								Alluvium
2	SB-5-2			100	0		ML	Very dark gray (2.5Y 3/1), SILT with SAND, moist, firm, approximately 70% fines, 30% fine-grained sand, no plasticity, no staining, no odor.
4	SB-5-5			90	0		SM	Olive brown (2.5Y 4/4), SILTY SAND, moist, dense, approximately 75% fine- to medium-grained sand, 25% fines, no staining, no odor.
6								
8								
10	SB-5-10			70	0			-as above
12								
14	SB-5-15			80	0			Light olive brown (2.5Y 5/6), SILTY SAND, moist, dense, approximately 80% fine- to medium-grained sand, 20% fines, no staining, no odor.
16								
18								
20								

Total depth 16 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-6

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791378.75
Easting: 6485888.19
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Asphalt (3")
								Alluvium
2	SB-6-2			80	0		ML	Very dark gray (2.5Y 3/1), SILT with SAND, moist, firm, approximately 70% fines, 30% fine-grained sand, no plasticity, no staining, no odor.
4	SB-6-5			60	0		SM	Light olive brown (2.5Y 5/6), SILTY SAND, moist, dense, approximately 70% fine- to medium-grained sand, 30% fines, no staining no odor.
6								
8								
10	SB-6-10			60	0			-as above
12								
14	SB-6-15			60	0			-as above
16								
18								
20								

Total depth 16 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-7

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791102.95
Easting: 6485829.34
Elevation: -
Boring Depth: 6 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Asphalt (3")
								Artificial Fill (Af)
2	SB-7-2			60	0		SM	Olive brown (2.5Y 4/4), SILTY SAND, moist, medium dense, approximately 75% fine- to medium-grained sand, 25% fines, no staining, no odor.
								Alluvium
4	SB-7-5			60	0		ML	Olive brown (2.5Y 4/4), SANDY SILT, moist firm, 60% fines, 40% fine-grained sand, no plasticity, no odor.
6								
8								
10								
12								
14								
16								
18								
20								

Total depth 6 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SB-8

Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: Avocet Environmental, Inc.
Drilling Method: Hand Auger
Sampling Method: 6" Solid-Spoon
Sampling Interval: Continuous

Date Started: 7/1/2014
Date Completed: 7/1/2014
Northing: 1791303.66
Easting: 6485905.75
Elevation: -
Boring Depth: 15.5 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								
							CL	**Artificial Fill (Af)** Very dark gray (2.5Y 3/1), lean CLAY, moist, firm, approximately 90% fines, 10% fine-grained sand, medium plasticity, no staining, no odor.
2	SB-8-2				0			
4							SM	**Alluvium** Light olive brown (2.5Y 5/6), SILTY SAND, moist, medium dense, approximately 80% fine- to medium-grained sand, 20% fines, no staining, no odor.
	SB-8-5				0			
6								
8								
10	SB-8-10				0			-as above
12							SP	Gray (2.5Y 6/1), poorly graded SAND, dry, dense, approximately 95% fine- to medium-grained sand, 5% fines, friable, no staining, no odor.
14								
	SB-8-15				0		ML	Dark olive brown (2.5Y 4/4), SILT, moist, firm, approximately 90% fines, 10% fine-grained sand, low plastiicity, no staining, no odor.
16								
18								
20								

Total depth 15.5 feet bgs. Groundwater not encountered. Boring backfilled with bentonite grout.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SV-1

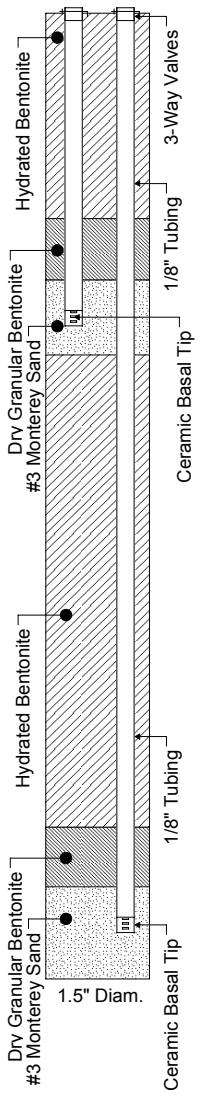
Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791316.69
Easting: 6485822.29
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Asphalt (4")
								Artificial Fill (Af)
2	SV-1-2			100	0		SM	Olive brown (2.5Y 4/4), SILTY SAND, dry, medium dense, approximately 75% fine- to medium-grained sand, 25% fines, no staining, no odor.
4								
	SV-1-5			100	0			**Alluvium**
6							SM	Light olive brown (2.5Y 5/6), SILTY SAND, moist, medium dense, approximately 75% fine-grained sand, 25% fines, no stain , no odor.
8								
10	SV-1-10			90	0			-as above
12								
14								
	SV-1-15			90	0			-as above
16								
18								
20								

Well Completion Details



Total depth 16 feet bgs. Groundwater not encountered. Boring completed with vapor probes set at 5 and 15 feet bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SV-2

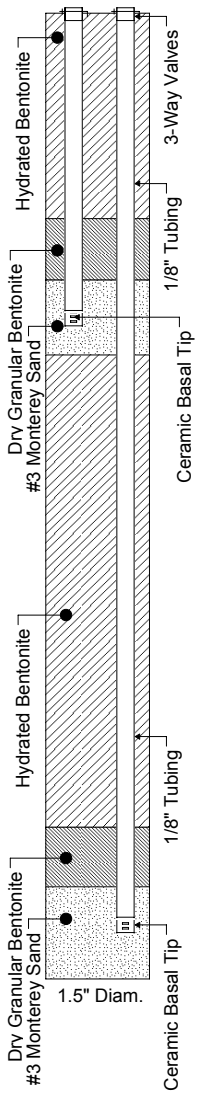
Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791257.60
Easting: 6485862.95
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								**Artificial Fill (Af)**
2	SV-2-2			90	0		SM	Grayish brown (2.5Y 5/2), SILTY SAND, dry, loose, approximately 80% fine-grained sand, 20 fines, no staining, no odor.
4								**Alluvium**
5	SV-2-5			90	0		SM	Light olive brown (2.5Y 5/6), SILTY SAND, moist, dense, approximately 60% fine-grained sand, 40% fines, no staining, no odor.
6								
8								
10	SV-2-10			80	0			Light olive brown (2.5Y 5/6), SILTY SAND, moist, dense, approximately 75% fine- to medium grained sand, 25% fines, no staining, no odor.
12								
14								
15	SV-2-15			80	0			
16							ML	Light olive brown (2.5Y 5/6), SILT, moist, firm 70% fines, 30% fine-grained sand, low plasticity, no staining, no odor.
18								
20								

Well Completion Details



Total depth 16 feet bgs. Groundwater not encountered. Boring completed with vapor probes set at 5 and 15 feet bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. SV-3

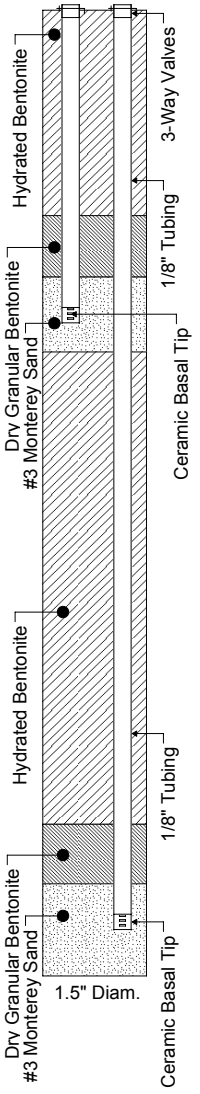
Logged By: Dan Gifford, C.E.G.
Checked By: Deke Siren, P.G.
Driller: H&P Mobile Geochemistry/Mike Scherer
Drilling Method: 1.5" Geoprobe
Sampling Method: Direct Push
Sampling Interval: Varies

Date Started: 5/22/2014
Date Completed: 5/22/2014
Northing: 1791261.69
Easting: 6485948.90
Elevation: -
Boring Depth: 16 feet

Client: CA Department General Services
Site: Former CA Army National Guard Armory
Location: Compton, California
Project No.: 1348.002

Depth (ft)	Sample Interval	Sample Depth	Drive Interval	Recovery (%)	PID (ppm)	Graphic Log	Soil Classification	DESCRIPTION
0								Concrete floor (6")
							ML	**Artificial Fill (Af)** Dark olive brown (2.5Y 3/3), SILT, moist, firm, approximately 60% fines, 40% fine-grained sand, no plasticity, no staining, no odor.
2	SV-3-2			70	0		SP	**Alluvium** Light brownish gray (2.5Y 6/2), poorly graded SAND, dry, medium dense, approximately 95% medium-grained sand, 5% fines, friable, no staining, no odor.
4	SV-3-5			60	0		SM	Light olive brown (2.5Y 5/6), SILTY SAND, moist, dense, approximately 70% fine- to medium-grained sand, 20% fines, no staining, no odor.
8								
10	SV-3-10			50	0		ML	Olive brown (2.5Y 4/4), SANDY SILT, moist, firm, approximately 60% fines, 40% fine-grained sand, no plasticity, no odor.
14	SV-3-15			70	0			-as above
16								
18								
20								

Well Completion Details



Total depth 16 feet bgs. Groundwater not encountered. Boring completed with vapor probes set at 5 and 15 feet bgs.

AVOCET ENVIRONMENTAL, INC.

Appendix B

Eurofins Calscience Analytical Reports

AVOCET
ENVIRONMENTAL, INC.

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-05-1745

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Avocet Environmental, Inc.

Client Project Name: Former CA ARNG Armory / 1348.002

Attention: Deke Siren
1 Technology Drive, Suite C515
Irvine, CA 92618-5302

Approved for release on 06/04/2014 by:
Virendra Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: Former CA ARNG Armory / 1348.002
Work Order Number: 14-05-1745

1 Work Order Narrative. 3

2 Sample Summary. 4

3 Detections Summary. 5

4 Client Sample Data. 10
4.1 EPA 8015B DRO (Solid). 10
4.2 EPA 8015B (M) TPH Motor Oil (Solid). 18
4.3 EPA 8015B GRO Prep 5035 (Solid). 26
4.4 EPA 6010B/7471A CAC Title 22 Metals (Solid). 34
4.5 EPA 7471A Mercury (Solid). 41
4.6 EPA 8081A Organochlorine Pesticides (Solid). 42
4.7 EPA 8082 PCB Aroclors (Solid). 46
4.8 EPA 8270C Semi-Volatile Organics (Solid). 49
4.9 EPA 8260B Volatile Organics Prep 5035 (Solid). 82

5 Quality Control Sample Data. 158
5.1 MS/MSD. 158
5.2 LCS/LCSD. 167

6 Sample Analysis Summary. 181

7 Glossary of Terms and Qualifiers. 182

8 Chain of Custody/Sample Receipt Form. 183

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 05/22/14. They were assigned to Work Order 14-05-1745.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Return to Contents

Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order:	14-05-1745
		Project Name:	Former CA ARNG Armory / 1348.002
		PO Number:	
		Date/Time Received:	05/22/14 16:45
		Number of Containers:	218
Attn:	Deke Siren		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SB-1-2	14-05-1745-1	05/22/14 09:38	6	Solid
SB-1-5	14-05-1745-2	05/22/14 09:43	6	Solid
SB-1-10	14-05-1745-3	05/22/14 09:49	6	Solid
SB-1-15	14-05-1745-4	05/22/14 09:57	6	Solid
SB-2-2	14-05-1745-5	05/22/14 14:40	6	Solid
SB-2-5	14-05-1745-6	05/22/14 14:43	6	Solid
SB-2-10	14-05-1745-7	05/22/14 14:48	6	Solid
SB-2-15	14-05-1745-8	05/22/14 14:54	6	Solid
SB-3-2	14-05-1745-9	05/22/14 11:03	6	Solid
SB-3-5	14-05-1745-10	05/22/14 11:09	6	Solid
SB-3-10	14-05-1745-11	05/22/14 11:14	6	Solid
SB-3-15	14-05-1745-12	05/22/14 11:21	6	Solid
SB-7-2	14-05-1745-13	05/22/14 14:02	1	Solid
SB-7-5	14-05-1745-14	05/22/14 14:06	1	Solid
SB-4-2	14-05-1745-15	05/22/14 13:33	6	Solid
SB-4-5	14-05-1745-16	05/22/14 13:50	6	Solid
SB-4B-10	14-05-1745-17	05/22/14 14:22	6	Solid
SB-4B-15	14-05-1745-18	05/22/14 14:29	6	Solid
SB-5-2	14-05-1745-19	05/22/14 11:35	6	Solid
SB-5-5	14-05-1745-20	05/22/14 11:40	6	Solid
SB-5-10	14-05-1745-21	05/22/14 11:47	6	Solid
SB-5-15	14-05-1745-22	05/22/14 11:53	6	Solid
SB-6-2	14-05-1745-23	05/22/14 12:10	6	Solid
SB-6-5	14-05-1745-24	05/22/14 12:15	6	Solid
SB-6-10	14-05-1745-25	05/22/14 12:20	6	Solid
SB-6-15	14-05-1745-26	05/22/14 12:25	6	Solid
SV-1-2	14-05-1745-27	05/22/14 07:23	6	Solid
SV-1-5	14-05-1745-28	05/22/14 07:38	6	Solid
SV-1-10	14-05-1745-29	05/22/14 07:45	6	Solid
SV-1-15	14-05-1745-30	05/22/14 07:56	6	Solid
SV-2-2	14-05-1745-31	05/22/14 08:25	6	Solid
SV-2-5	14-05-1745-32	05/22/14 08:29	6	Solid
SV-2-10	14-05-1745-33	05/22/14 08:34	6	Solid
SV-2-15	14-05-1745-34	05/22/14 08:41	6	Solid
SV-3-2	14-05-1745-35	05/22/14 08:56	6	Solid
SV-3-5	14-05-1745-36	05/22/14 09:01	6	Solid
SV-3-10	14-05-1745-37	05/22/14 09:08	6	Solid
SV-3-15	14-05-1745-38	05/22/14 09:17	6	Solid

Return to Contents

Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order:	14-05-1745
		Project Name:	Former CA ARNG Armory / 1348.002
		Received:	05/22/14
Attn:	Deke Siren		

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SB-1-2 (14-05-1745-1)						
Acetone	48		43	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	2.4		1.7	ug/kg	EPA 8260B	EPA 5035
SB-2-2 (14-05-1745-5)						
Diesel Range Organics	23	HD	5.0	mg/kg	EPA 8015B	EPA 3550B
TPH as Motor Oil	42	HD	25	mg/kg	EPA 8015B (M)	EPA 3550B
Acetone	47		41	ug/kg	EPA 8260B	EPA 5035
Benzene	40		0.82	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	9.4		0.82	ug/kg	EPA 8260B	EPA 5035
Toluene	49		0.82	ug/kg	EPA 8260B	EPA 5035
1,2,4-Trimethylbenzene	2.3		1.6	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	14		1.6	ug/kg	EPA 8260B	EPA 5035
o-Xylene	5.4		0.82	ug/kg	EPA 8260B	EPA 5035
SB-3-2 (14-05-1745-9)						
Arsenic	1.11		0.732	mg/kg	EPA 6010B	EPA 3050B
Barium	161		0.488	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.469		0.244	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.4		0.244	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.5		0.244	mg/kg	EPA 6010B	EPA 3050B
Copper	24.6		0.488	mg/kg	EPA 6010B	EPA 3050B
Lead	5.89		0.488	mg/kg	EPA 6010B	EPA 3050B
Nickel	13.9		0.244	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.9		0.244	mg/kg	EPA 6010B	EPA 3050B
Zinc	65.2		0.976	mg/kg	EPA 6010B	EPA 3050B
Diesel Range Organics	5.7	HD	5.0	mg/kg	EPA 8015B	EPA 3550B
Benzene	6.9		0.83	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	1.1		0.83	ug/kg	EPA 8260B	EPA 5035
Toluene	7.1		0.83	ug/kg	EPA 8260B	EPA 5035

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order:	14-05-1745
		Project Name:	Former CA ARNG Armory / 1348.002
		Received:	05/22/14
Attn:	Deke Siren		Page 2 of 5

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SB-3-5 (14-05-1745-10)						
Barium	87.2		0.488	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.267		0.244	mg/kg	EPA 6010B	EPA 3050B
Chromium	9.51		0.244	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.24		0.244	mg/kg	EPA 6010B	EPA 3050B
Copper	7.35		0.488	mg/kg	EPA 6010B	EPA 3050B
Lead	1.05		0.488	mg/kg	EPA 6010B	EPA 3050B
Nickel	5.62		0.244	mg/kg	EPA 6010B	EPA 3050B
Vanadium	13.9		0.244	mg/kg	EPA 6010B	EPA 3050B
Zinc	22.1		0.976	mg/kg	EPA 6010B	EPA 3050B
Benzene	2.5		1.1	ug/kg	EPA 8260B	EPA 5035
Toluene	3.0		1.1	ug/kg	EPA 8260B	EPA 5035
SB-4-2 (14-05-1745-15)						
Arsenic	4.81		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	93.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.271		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	10.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	4.55		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	18.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	43.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.338		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	8.60		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	18.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	98.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.107		0.0769	mg/kg	EPA 7471A	EPA 7471A Total
Diesel Range Organics	160	HD	4.9	mg/kg	EPA 8015B	EPA 3550B
TPH as Motor Oil	440	HD	25	mg/kg	EPA 8015B (M)	EPA 3550B
4,4'-DDE	370		100	ug/kg	EPA 8081A	EPA 3545
Acetone	90		53	ug/kg	EPA 8260B	EPA 5035
Pyrene	1.1		1.0	mg/kg	EPA 8270C	EPA 3545

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order: Project Name: Received:	14-05-1745 Former CA ARNG Armory / 1348.002 05/22/14
Attn:	Deke Siren		

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SB-4-5 (14-05-1745-16)						
Arsenic	2.19		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	136		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.346		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	13.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.34		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	14.6		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.52		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.794		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	10.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	44.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Diesel Range Organics	14	HD	5.0	mg/kg	EPA 8015B	EPA 3550B
TPH as Motor Oil	26	HD	25	mg/kg	EPA 8015B (M)	EPA 3550B
Benzene	2.3		0.96	ug/kg	EPA 8260B	EPA 5035
Toluene	2.0		0.96	ug/kg	EPA 8260B	EPA 5035
SB-4B-10 (14-05-1745-17)						
Benzene	1.2		0.70	ug/kg	EPA 8260B	EPA 5035
SB-4B-15 (14-05-1745-18)						
Benzene	1.2		0.82	ug/kg	EPA 8260B	EPA 5035
Toluene	0.83		0.82	ug/kg	EPA 8260B	EPA 5035
SB-5-2 (14-05-1745-19)						
Diesel Range Organics	6.2	HD	5.1	mg/kg	EPA 8015B	EPA 3550B
Benzene	18		0.74	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	2.1		0.74	ug/kg	EPA 8260B	EPA 5035
Toluene	14		0.74	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	2.4		1.5	ug/kg	EPA 8260B	EPA 5035
o-Xylene	1.1		0.74	ug/kg	EPA 8260B	EPA 5035
SB-5-10 (14-05-1745-21)						
Benzene	1.2		0.74	ug/kg	EPA 8260B	EPA 5035
Toluene	0.74		0.74	ug/kg	EPA 8260B	EPA 5035
SB-6-2 (14-05-1745-23)						
Benzene	2.5		0.74	ug/kg	EPA 8260B	EPA 5035
Toluene	2.2		0.74	ug/kg	EPA 8260B	EPA 5035
SV-1-2 (14-05-1745-27)						
Diesel Range Organics	25	HD	5.0	mg/kg	EPA 8015B	EPA 3550B
TPH as Motor Oil	130	HD	25	mg/kg	EPA 8015B (M)	EPA 3550B

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order:	14-05-1745
		Project Name:	Former CA ARNG Armory / 1348.002
		Received:	05/22/14
Attn:	Deke Siren		Page 4 of 5

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SV-2-2 (14-05-1745-31)						
Benzene	7.6		1.0	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	1.1		1.0	ug/kg	EPA 8260B	EPA 5035
Toluene	7.1		1.0	ug/kg	EPA 8260B	EPA 5035
SV-3-2 (14-05-1745-35)						
Arsenic	2.37		0.754	mg/kg	EPA 6010B	EPA 3050B
Barium	70.3		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	7.67		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.30		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	15.1		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	6.44		0.503	mg/kg	EPA 6010B	EPA 3050B
Nickel	6.71		0.251	mg/kg	EPA 6010B	EPA 3050B
Vanadium	18.3		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	39.2		1.01	mg/kg	EPA 6010B	EPA 3050B
Acetone	47		41	ug/kg	EPA 8260B	EPA 5035
Benzene	14		0.81	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	3.4		0.81	ug/kg	EPA 8260B	EPA 5035
Toluene	16		0.81	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	6.5		1.6	ug/kg	EPA 8260B	EPA 5035
o-Xylene	2.2		0.81	ug/kg	EPA 8260B	EPA 5035
SV-3-5 (14-05-1745-36)						
Arsenic	1.79		0.761	mg/kg	EPA 6010B	EPA 3050B
Barium	67.9		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.344		0.254	mg/kg	EPA 6010B	EPA 3050B
Chromium	11.7		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.49		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	6.49		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	2.98		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.707		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	7.42		0.254	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.3		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	28.3		1.02	mg/kg	EPA 6010B	EPA 3050B
Ethylbenzene	1.5		0.67	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	7.5		1.3	ug/kg	EPA 8260B	EPA 5035
o-Xylene	2.7		0.67	ug/kg	EPA 8260B	EPA 5035

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order: Project Name: Received:	14-05-1745 Former CA ARNG Armory / 1348.002 05/22/14
Attn:	Deke Siren		

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SV-3-10 (14-05-1745-37)						
Acetone	58		37	ug/kg	EPA 8260B	EPA 5035
Benzene	0.88		0.73	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	1.1		0.73	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	5.2		1.5	ug/kg	EPA 8260B	EPA 5035
o-Xylene	2.3		0.73	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-2	**14-05-1745-1-A**	**05/22/14 09:38**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:35**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-5	**14-05-1745-2-A**	**05/22/14 09:43**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:52**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-10	**14-05-1745-3-A**	**05/22/14 09:49**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 19:10**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-15	**14-05-1745-4-A**	**05/22/14 09:57**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 19:28**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-2	**14-05-1745-5-A**	**05/22/14 14:40**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 19:45**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	23	5.0	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 2 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-5	**14-05-1745-6-A**	**05/22/14 14:43**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:02**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-10	**14-05-1745-7-A**	**05/22/14 14:48**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:20**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-15	**14-05-1745-8-A**	**05/22/14 14:54**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:37**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-A**	**05/22/14 11:03**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:55**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	5.7	5.0	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	75	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-5	**14-05-1745-10-A**	**05/22/14 11:09**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 21:13**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-10	**14-05-1745-11-A**	**05/22/14 11:14**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:04**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-15	**14-05-1745-12-A**	**05/22/14 11:21**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:23**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:41**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	160	4.9	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-5	**14-05-1745-16-A**	**05/22/14 13:50**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:58**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	14	5.0	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	67	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-10	**14-05-1745-17-A**	**05/22/14 14:22**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 23:15**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 4 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-15	**14-05-1745-18-A**	**05/22/14 14:29**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 23:32**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	106	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-2	**14-05-1745-19-A**	**05/22/14 11:35**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 23:49**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	6.2	5.1	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-5	**14-05-1745-20-A**	**05/22/14 11:40**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 00:06**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-10	**14-05-1745-21-A**	**05/22/14 11:47**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 00:24**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-15	**14-05-1745-22-A**	**05/22/14 11:53**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 00:41**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-2	**14-05-1745-23-A**	**05/22/14 12:10**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 03:35**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-5	**14-05-1745-24-A**	**05/22/14 12:15**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 03:52**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-10	**14-05-1745-25-A**	**05/22/14 12:20**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 04:09**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-15	**14-05-1745-26-A**	**05/22/14 12:25**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 04:26**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-2	**14-05-1745-27-A**	**05/22/14 07:23**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 04:43**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	25	5.0	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 6 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-5	**14-05-1745-28-A**	**05/22/14 07:38**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 05:00**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-10	**14-05-1745-29-A**	**05/22/14 07:45**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 05:18**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-15	**14-05-1745-30-A**	**05/22/14 07:56**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 12:00**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-2	**14-05-1745-31-A**	**05/22/14 08:25**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 12:17**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-5	**14-05-1745-32-A**	**05/22/14 08:29**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 12:34**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-10	**14-05-1745-33-A**	**05/22/14 08:34**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 13:27**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-15	**14-05-1745-34-A**	**05/22/14 08:41**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 13:45**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-2	**14-05-1745-35-A**	**05/22/14 08:56**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:03**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-5	**14-05-1745-36-A**	**05/22/14 09:01**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:20**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-10	**14-05-1745-37-A**	**05/22/14 09:08**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:37**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 8 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-15	**14-05-1745-38-A**	**05/22/14 09:17**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:54**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-414-381**	**N/A**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 16:33**	**140523B08**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-414-382**	**N/A**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 01:35**	**140523B10**

Parameter	Result	RL	DF	Qualifiers
Diesel Range Organics	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-2	**14-05-1745-1-A**	**05/22/14 09:38**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:35**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	61-145	

SB-1-5	**14-05-1745-2-A**	**05/22/14 09:43**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:52**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

SB-1-10	**14-05-1745-3-A**	**05/22/14 09:49**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 19:10**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

SB-1-15	**14-05-1745-4-A**	**05/22/14 09:57**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 19:28**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

SB-2-2	**14-05-1745-5-A**	**05/22/14 14:40**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 19:45**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	42	25	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 2 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-5	**14-05-1745-6-A**	**05/22/14 14:43**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:02**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-10	**14-05-1745-7-A**	**05/22/14 14:48**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:20**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-15	**14-05-1745-8-A**	**05/22/14 14:54**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:37**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-A**	**05/22/14 11:03**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 20:55**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	75	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-5	**14-05-1745-10-A**	**05/22/14 11:09**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 21:13**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-10	**14-05-1745-11-A**	**05/22/14 11:14**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:04**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-15	**14-05-1745-12-A**	**05/22/14 11:21**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:23**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:41**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	440	25	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-5	**14-05-1745-16-A**	**05/22/14 13:50**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 22:58**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	26	25	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	67	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-10	**14-05-1745-17-A**	**05/22/14 14:22**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 23:15**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 4 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-15	**14-05-1745-18-A**	**05/22/14 14:29**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 23:32**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	106	61-145	

SB-5-2	**14-05-1745-19-A**	**05/22/14 11:35**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 23:49**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

SB-5-5	**14-05-1745-20-A**	**05/22/14 11:40**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 00:06**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

SB-5-10	**14-05-1745-21-A**	**05/22/14 11:47**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 00:24**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

SB-5-15	**14-05-1745-22-A**	**05/22/14 11:53**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 00:41**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-2	**14-05-1745-23-A**	**05/22/14 12:10**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 03:35**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-5	**14-05-1745-24-A**	**05/22/14 12:15**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 03:52**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-10	**14-05-1745-25-A**	**05/22/14 12:20**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 04:09**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-15	**14-05-1745-26-A**	**05/22/14 12:25**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 04:26**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-2	**14-05-1745-27-A**	**05/22/14 07:23**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 04:43**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	130	25	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 6 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-5	**14-05-1745-28-A**	**05/22/14 07:38**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 05:00**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-10	**14-05-1745-29-A**	**05/22/14 07:45**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 05:18**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-15	**14-05-1745-30-A**	**05/22/14 07:56**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 12:00**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-2	**14-05-1745-31-A**	**05/22/14 08:25**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 12:17**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-5	**14-05-1745-32-A**	**05/22/14 08:29**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 12:34**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-10	**14-05-1745-33-A**	**05/22/14 08:34**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 13:27**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-15	**14-05-1745-34-A**	**05/22/14 08:41**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 13:45**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-2	**14-05-1745-35-A**	**05/22/14 08:56**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:03**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-5	**14-05-1745-36-A**	**05/22/14 09:01**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:20**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-10	**14-05-1745-37-A**	**05/22/14 09:08**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:37**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 8 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-15	**14-05-1745-38-A**	**05/22/14 09:17**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 14:54**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-420-929**	**N/A**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 16:33**	**140523B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-420-930**	**N/A**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 01:35**	**140523B11**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-2	**14-05-1745-1-F**	**05/22/14 09:38**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 12:59**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-5	**14-05-1745-2-F**	**05/22/14 09:43**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 13:32**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.24	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-10	**14-05-1745-3-F**	**05/22/14 09:49**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 14:04**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-15	**14-05-1745-4-F**	**05/22/14 09:57**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 14:37**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-2	**14-05-1745-5-F**	**05/22/14 14:40**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 15:10**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	68	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 2 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-5	**14-05-1745-6-F**	**05/22/14 14:43**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 15:43**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-10	**14-05-1745-7-F**	**05/22/14 14:48**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 16:15**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-15	**14-05-1745-8-F**	**05/22/14 14:54**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 16:48**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-F**	**05/22/14 11:03**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 17:21**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-5	**14-05-1745-10-F**	**05/22/14 11:09**	**Solid**	**GC 4**	**05/22/14**	**05/24/14 17:54**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-10	**14-05-1745-11-G**	**05/22/14 11:14**	**Solid**	**GC 4**	**05/22/14**	**05/27/14 18:49**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-15	**14-05-1745-12-G**	**05/22/14 11:21**	**Solid**	**GC 4**	**05/22/14**	**05/27/14 19:21**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.22	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-G**	**05/22/14 13:33**	**Solid**	**GC 4**	**05/22/14**	**05/27/14 19:54**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.27	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-5	**14-05-1745-16-D**	**05/22/14 13:50**	**Solid**	**GC 4**	**05/22/14**	**05/27/14 20:27**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-10	**14-05-1745-17-G**	**05/22/14 14:22**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 08:49**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 4 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-15	**14-05-1745-18-H**	**05/22/14 14:29**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 09:22**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.30	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-2	**14-05-1745-19-G**	**05/22/14 11:35**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 09:55**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	67	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-5	**14-05-1745-20-E**	**05/22/14 11:40**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 10:27**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-10	**14-05-1745-21-G**	**05/22/14 11:47**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 11:01**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-15	**14-05-1745-22-G**	**05/22/14 11:53**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 11:34**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-2	**14-05-1745-23-F**	**05/22/14 12:10**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 16:28**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-5	**14-05-1745-24-F**	**05/22/14 12:15**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 17:01**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.17	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-10	**14-05-1745-25-F**	**05/22/14 12:20**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 17:34**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-15	**14-05-1745-26-F**	**05/22/14 12:25**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 18:07**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-2	**14-05-1745-27-F**	**05/22/14 07:23**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 18:39**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.33	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 6 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-5	**14-05-1745-28-F**	**05/22/14 07:38**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 19:12**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-10	**14-05-1745-29-F**	**05/22/14 07:45**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 19:45**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-15	**14-05-1745-30-F**	**05/22/14 07:56**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 20:18**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-2	**14-05-1745-31-F**	**05/22/14 08:25**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 20:51**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-5	**14-05-1745-32-F**	**05/22/14 08:29**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 21:23**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-10	**14-05-1745-33-F**	**05/22/14 08:34**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 22:29**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-15	**14-05-1745-34-F**	**05/22/14 08:41**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 23:02**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-2	**14-05-1745-35-F**	**05/22/14 08:56**	**Solid**	**GC 4**	**05/22/14**	**05/28/14 23:34**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	75	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-5	**14-05-1745-36-F**	**05/22/14 09:01**	**Solid**	**GC 4**	**05/22/14**	**05/29/14 00:07**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-10	**14-05-1745-37-F**	**05/22/14 09:08**	**Solid**	**GC 4**	**05/22/14**	**05/29/14 00:40**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 8 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-15	**14-05-1745-38-F**	**05/22/14 09:17**	**Solid**	**GC 4**	**05/22/14**	**05/29/14 01:13**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-425-309**	**N/A**	**Solid**	**GC 4**	**05/24/14**	**05/24/14 11:21**	**140524L015**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	73	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-425-310**	**N/A**	**Solid**	**GC 4**	**05/27/14**	**05/27/14 16:38**	**140527L032**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-425-311**	**N/A**	**Solid**	**GC 4**	**05/28/14**	**05/28/14 14:17**	**140528L050**

Parameter	Result	RL	DF	Qualifiers
Gasoline Range Organics	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	81	60-126	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-A**	**05/22/14 11:03**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:47**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	1.11	0.732	0.976	
Barium	161	0.488	0.976	
Beryllium	0.469	0.244	0.976	
Cadmium	ND	0.488	0.976	
Chromium	19.4	0.244	0.976	
Cobalt	11.5	0.244	0.976	
Copper	24.6	0.488	0.976	
Lead	5.89	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	13.9	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	39.9	0.244	0.976	
Zinc	65.2	0.976	0.976	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-5	**14-05-1745-10-A**	**05/22/14 11:09**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:48**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	ND	0.732	0.976	
Barium	87.2	0.488	0.976	
Beryllium	0.267	0.244	0.976	
Cadmium	ND	0.488	0.976	
Chromium	9.51	0.244	0.976	
Cobalt	5.24	0.244	0.976	
Copper	7.35	0.488	0.976	
Lead	1.05	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	5.62	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	13.9	0.244	0.976	
Zinc	22.1	0.976	0.976	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:49**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	4.81	0.750	1.00	
Barium	93.8	0.500	1.00	
Beryllium	0.271	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	10.6	0.250	1.00	
Cobalt	4.55	0.250	1.00	
Copper	18.2	0.500	1.00	
Lead	43.2	0.500	1.00	
Molybdenum	0.338	0.250	1.00	
Nickel	8.60	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	18.3	0.250	1.00	
Zinc	98.7	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-5	**14-05-1745-16-A**	**05/22/14 13:50**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:51**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	2.19	0.750	1.00	
Barium	136	0.500	1.00	
Beryllium	0.346	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	13.4	0.250	1.00	
Cobalt	8.34	0.250	1.00	
Copper	14.6	0.500	1.00	
Lead	5.52	0.500	1.00	
Molybdenum	0.794	0.250	1.00	
Nickel	10.3	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	33.7	0.250	1.00	
Zinc	44.6	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-2	**14-05-1745-35-A**	**05/22/14 08:56**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:52**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.754	1.01	
Arsenic	2.37	0.754	1.01	
Barium	70.3	0.503	1.01	
Beryllium	ND	0.251	1.01	
Cadmium	ND	0.503	1.01	
Chromium	7.67	0.251	1.01	
Cobalt	6.30	0.251	1.01	
Copper	15.1	0.503	1.01	
Lead	6.44	0.503	1.01	
Molybdenum	ND	0.251	1.01	
Nickel	6.71	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	18.3	0.251	1.01	
Zinc	39.2	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-5	**14-05-1745-36-A**	**05/22/14 09:01**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:53**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.761	1.02	
Arsenic	1.79	0.761	1.02	
Barium	67.9	0.508	1.02	
Beryllium	0.344	0.254	1.02	
Cadmium	ND	0.508	1.02	
Chromium	11.7	0.254	1.02	
Cobalt	7.49	0.254	1.02	
Copper	6.49	0.508	1.02	
Lead	2.98	0.508	1.02	
Molybdenum	0.707	0.254	1.02	
Nickel	7.42	0.254	1.02	
Selenium	ND	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	32.3	0.254	1.02	
Zinc	28.3	1.02	1.02	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-18414**	**N/A**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 18:08**	**140528L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-A**	**05/22/14 11:03**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:35**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0769	1.00	

SB-3-5	**14-05-1745-10-A**	**05/22/14 11:09**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:37**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:40**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.107	0.0769	1.00	

SB-4-5	**14-05-1745-16-A**	**05/22/14 13:50**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:29**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

SV-3-2	**14-05-1745-35-A**	**05/22/14 08:56**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:42**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

SV-3-5	**14-05-1745-36-A**	**05/22/14 09:01**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:44**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0794	1.00	

Method Blank	**099-16-272-266**	**N/A**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:24**	**140528L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-A**	**05/22/14 11:03**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 12:17**	**140529L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 12:31**	**140529L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	122	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 14:10**	**140529L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	370	100	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	149	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-2	**14-05-1745-19-A**	**05/22/14 11:35**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 12:45**	**140529L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	43	24-168	
2,4,5,6-Tetrachloro-m-Xylene	46	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1707**	**N/A**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 11:49**	**140529L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-10	**14-05-1745-3-A**	**05/22/14 09:49**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 17:26**	**140529L11**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

SB-1-15	**14-05-1745-4-A**	**05/22/14 09:57**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 17:44**	**140529L11**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-10	**14-05-1745-7-A**	**05/22/14 14:48**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 18:02**	**140529L11**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

SB-2-15	**14-05-1745-8-A**	**05/22/14 14:54**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 18:20**	**140529L11**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-7-2	**14-05-1745-13-A**	**05/22/14 14:02**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 18:38**	**140529L11**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Method Blank	**099-12-535-2648**	**N/A**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 16:32**	**140529L11**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-10	**14-05-1745-3-A**	**05/22/14 09:49**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 16:11**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002		Page 2 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	51	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	54	25-120	
Nitrobenzene-d5	55	33-123	
p-Terphenyl-d14	60	27-159	
Phenol-d6	58	26-122	
2,4,6-Tribromophenol	55	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 4 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-15	**14-05-1745-4-A**	**05/22/14 09:57**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 20:52**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002		Page 5 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	59	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 6 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	41	25-120	
Nitrobenzene-d5	59	33-123	
p-Terphenyl-d14	86	27-159	
Phenol-d6	52	26-122	
2,4,6-Tribromophenol	50	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 7 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-10	**14-05-1745-7-A**	**05/22/14 14:48**	**Solid**	**GC/MS TT**	**05/30/14**	**06/03/14 11:22**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 8 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	46	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 9 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	49	25-120	
Nitrobenzene-d5	50	33-123	
p-Terphenyl-d14	52	27-159	
Phenol-d6	52	26-122	
2,4,6-Tribromophenol	42	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 10 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-15	**14-05-1745-8-A**	**05/22/14 14:54**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 11:49**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 11 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	60	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 12 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	48	25-120	
Nitrobenzene-d5	57	33-123	
p-Terphenyl-d14	75	27-159	
Phenol-d6	56	26-122	
2,4,6-Tribromophenol	50	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 13 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-A**	**05/22/14 13:33**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 17:09**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	1.0	2.00	
Acenaphthylene	ND	1.0	2.00	
Aniline	ND	1.0	2.00	
Anthracene	ND	1.0	2.00	
Azobenzene	ND	1.0	2.00	
Benzidine	ND	20	2.00	
Benzo (a) Anthracene	ND	1.0	2.00	
Benzo (a) Pyrene	ND	1.0	2.00	
Benzo (b) Fluoranthene	ND	1.0	2.00	
Benzo (g,h,i) Perylene	ND	1.0	2.00	
Benzo (k) Fluoranthene	ND	1.0	2.00	
Benzoic Acid	ND	5.0	2.00	
Benzyl Alcohol	ND	1.0	2.00	
Bis(2-Chloroethoxy) Methane	ND	1.0	2.00	
Bis(2-Chloroethyl) Ether	ND	5.0	2.00	
Bis(2-Chloroisopropyl) Ether	ND	1.0	2.00	
Bis(2-Ethylhexyl) Phthalate	ND	1.0	2.00	
4-Bromophenyl-Phenyl Ether	ND	1.0	2.00	
Butyl Benzyl Phthalate	ND	1.0	2.00	
4-Chloro-3-Methylphenol	ND	1.0	2.00	
4-Chloroaniline	ND	1.0	2.00	
2-Chloronaphthalene	ND	1.0	2.00	
2-Chlorophenol	ND	1.0	2.00	
4-Chlorophenyl-Phenyl Ether	ND	1.0	2.00	
Chrysene	ND	1.0	2.00	
Di-n-Butyl Phthalate	ND	1.0	2.00	
Di-n-Octyl Phthalate	ND	1.0	2.00	
Dibenz (a,h) Anthracene	ND	1.0	2.00	
Dibenzofuran	ND	1.0	2.00	
1,2-Dichlorobenzene	ND	1.0	2.00	
1,3-Dichlorobenzene	ND	1.0	2.00	
1,4-Dichlorobenzene	ND	1.0	2.00	
3,3'-Dichlorobenzidine	ND	20	2.00	
2,4-Dichlorophenol	ND	1.0	2.00	
Diethyl Phthalate	ND	1.0	2.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002		Page 14 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	1.0	2.00	
2,4-Dimethylphenol	ND	1.0	2.00	
4,6-Dinitro-2-Methylphenol	ND	5.0	2.00	
2,4-Dinitrophenol	ND	5.0	2.00	
2,4-Dinitrotoluene	ND	1.0	2.00	
2,6-Dinitrotoluene	ND	1.0	2.00	
Fluoranthene	ND	1.0	2.00	
Fluorene	ND	1.0	2.00	
Hexachloro-1,3-Butadiene	ND	1.0	2.00	
Hexachlorobenzene	ND	1.0	2.00	
Hexachlorocyclopentadiene	ND	5.0	2.00	
Hexachloroethane	ND	1.0	2.00	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	2.00	
Isophorone	ND	1.0	2.00	
2-Methylnaphthalene	ND	1.0	2.00	
1-Methylnaphthalene	ND	1.0	2.00	
2-Methylphenol	ND	1.0	2.00	
3/4-Methylphenol	ND	1.0	2.00	
N-Nitroso-di-n-propylamine	ND	1.0	2.00	
N-Nitrosodimethylamine	ND	1.0	2.00	
N-Nitrosodiphenylamine	ND	1.0	2.00	
Naphthalene	ND	1.0	2.00	
4-Nitroaniline	ND	1.0	2.00	
3-Nitroaniline	ND	1.0	2.00	
2-Nitroaniline	ND	1.0	2.00	
Nitrobenzene	ND	5.0	2.00	
4-Nitrophenol	ND	1.0	2.00	
2-Nitrophenol	ND	1.0	2.00	
Pentachlorophenol	ND	5.0	2.00	
Phenanthrene	ND	1.0	2.00	
Phenol	ND	1.0	2.00	
Pyrene	1.1	1.0	2.00	
Pyridine	ND	1.0	2.00	
1,2,4-Trichlorobenzene	ND	1.0	2.00	
2,4,6-Trichlorophenol	ND	1.0	2.00	
2,4,5-Trichlorophenol	ND	1.0	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	94	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 15 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	54	25-120	
Nitrobenzene-d5	96	33-123	
p-Terphenyl-d14	118	27-159	
Phenol-d6	94	26-122	
2,4,6-Tribromophenol	0	18-138	1,2,6

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 16 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-5	**14-05-1745-16-A**	**05/22/14 13:50**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 17:27**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 17 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	79	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 18 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	69	25-120	
Nitrobenzene-d5	82	33-123	
p-Terphenyl-d14	107	27-159	
Phenol-d6	71	26-122	
2,4,6-Tribromophenol	80	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 19 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-2	**14-05-1745-27-A**	**05/22/14 07:23**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 17:46**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002		Page 20 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	71	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 21 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	57	25-120	
Nitrobenzene-d5	72	33-123	
p-Terphenyl-d14	102	27-159	
Phenol-d6	65	26-122	
2,4,6-Tribromophenol	71	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 22 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-5	**14-05-1745-28-A**	**05/22/14 07:38**	**Solid**	**GC/MS TT**	**05/30/14**	**06/03/14 11:41**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 23 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	55	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 24 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	33	25-120	
Nitrobenzene-d5	58	33-123	
p-Terphenyl-d14	55	27-159	
Phenol-d6	46	26-122	
2,4,6-Tribromophenol	35	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 25 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-10	**14-05-1745-33-A**	**05/22/14 08:34**	**Solid**	**GC/MS TT**	**05/30/14**	**06/03/14 12:00**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002		Page 26 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	50	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 27 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	52	25-120	
Nitrobenzene-d5	55	33-123	
p-Terphenyl-d14	55	27-159	
Phenol-d6	53	26-122	
2,4,6-Tribromophenol	46	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 28 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-15	**14-05-1745-34-A**	**05/22/14 08:41**	**Solid**	**GC/MS TT**	**05/30/14**	**06/03/14 12:18**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 29 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	61	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 30 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	35	25-120	
Nitrobenzene-d5	62	33-123	
p-Terphenyl-d14	62	27-159	
Phenol-d6	51	26-122	
2,4,6-Tribromophenol	25	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 31 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-2942**	**N/A**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 11:12**	**140530L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002		Page 32 of 33

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	85	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Former CA ARNG Armory / 1348.002			Page 33 of 33

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	90	25-120	
Nitrobenzene-d5	97	33-123	
p-Terphenyl-d14	87	27-159	
Phenol-d6	87	26-122	
2,4,6-Tribromophenol	81	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 1 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-2	**14-05-1745-1-C**	**05/22/14 09:38**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 16:45**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	48	43	1.00	
Benzene	ND	0.86	1.00	
Bromobenzene	ND	0.86	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.86	1.00	
Bromoform	ND	4.3	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.86	1.00	
sec-Butylbenzene	ND	0.86	1.00	
tert-Butylbenzene	ND	0.86	1.00	
Carbon Disulfide	ND	8.6	1.00	
Carbon Tetrachloride	ND	0.86	1.00	
Chlorobenzene	ND	0.86	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.86	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.86	1.00	
4-Chlorotoluene	ND	0.86	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.00	
1,2-Dibromoethane	ND	0.86	1.00	
Dibromomethane	ND	0.86	1.00	
1,2-Dichlorobenzene	ND	0.86	1.00	
1,3-Dichlorobenzene	ND	0.86	1.00	
1,4-Dichlorobenzene	ND	0.86	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.86	1.00	
1,2-Dichloroethane	ND	0.86	1.00	
1,1-Dichloroethene	ND	0.86	1.00	
c-1,2-Dichloroethene	ND	0.86	1.00	
t-1,2-Dichloroethene	ND	0.86	1.00	
1,2-Dichloropropane	ND	0.86	1.00	
1,3-Dichloropropane	ND	0.86	1.00	
2,2-Dichloropropane	ND	4.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 2 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.86	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.86	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.86	1.00	
p-Isopropyltoluene	ND	0.86	1.00	
Methylene Chloride	ND	8.6	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.6	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.86	1.00	
1,1,1,2-Tetrachloroethane	ND	0.86	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.86	1.00	
Toluene	ND	0.86	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.6	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.6	1.00	
Vinyl Chloride	ND	0.86	1.00	
p/m-Xylene	2.4	1.7	1.00	
o-Xylene	ND	0.86	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 3 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-5	**14-05-1745-2-C**	**05/22/14 09:43**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 17:12**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	41	1.00	
Benzene	ND	0.83	1.00	
Bromobenzene	ND	0.83	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.83	1.00	
Bromoform	ND	4.1	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.83	1.00	
sec-Butylbenzene	ND	0.83	1.00	
tert-Butylbenzene	ND	0.83	1.00	
Carbon Disulfide	ND	8.3	1.00	
Carbon Tetrachloride	ND	0.83	1.00	
Chlorobenzene	ND	0.83	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.83	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.83	1.00	
4-Chlorotoluene	ND	0.83	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.00	
1,2-Dibromoethane	ND	0.83	1.00	
Dibromomethane	ND	0.83	1.00	
1,2-Dichlorobenzene	ND	0.83	1.00	
1,3-Dichlorobenzene	ND	0.83	1.00	
1,4-Dichlorobenzene	ND	0.83	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.83	1.00	
1,2-Dichloroethane	ND	0.83	1.00	
1,1-Dichloroethene	ND	0.83	1.00	
c-1,2-Dichloroethene	ND	0.83	1.00	
t-1,2-Dichloroethene	ND	0.83	1.00	
1,2-Dichloropropane	ND	0.83	1.00	
1,3-Dichloropropane	ND	0.83	1.00	
2,2-Dichloropropane	ND	4.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 4 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.83	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.83	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.83	1.00	
p-Isopropyltoluene	ND	0.83	1.00	
Methylene Chloride	ND	8.3	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.3	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.83	1.00	
1,1,1,2-Tetrachloroethane	ND	0.83	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.83	1.00	
Toluene	ND	0.83	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.3	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.3	1.00	
Vinyl Chloride	ND	0.83	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.83	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 5 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-10	**14-05-1745-3-C**	**05/22/14 09:49**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 17:38**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	33	1.00	
Benzene	ND	0.67	1.00	
Bromobenzene	ND	0.67	1.00	
Bromochloromethane	ND	1.3	1.00	
Bromodichloromethane	ND	0.67	1.00	
Bromoform	ND	3.3	1.00	
Bromomethane	ND	13	1.00	
2-Butanone	ND	13	1.00	
n-Butylbenzene	ND	0.67	1.00	
sec-Butylbenzene	ND	0.67	1.00	
tert-Butylbenzene	ND	0.67	1.00	
Carbon Disulfide	ND	6.7	1.00	
Carbon Tetrachloride	ND	0.67	1.00	
Chlorobenzene	ND	0.67	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	0.67	1.00	
Chloromethane	ND	13	1.00	
2-Chlorotoluene	ND	0.67	1.00	
4-Chlorotoluene	ND	0.67	1.00	
Dibromochloromethane	ND	1.3	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.3	1.00	
1,2-Dibromoethane	ND	0.67	1.00	
Dibromomethane	ND	0.67	1.00	
1,2-Dichlorobenzene	ND	0.67	1.00	
1,3-Dichlorobenzene	ND	0.67	1.00	
1,4-Dichlorobenzene	ND	0.67	1.00	
Dichlorodifluoromethane	ND	1.3	1.00	
1,1-Dichloroethane	ND	0.67	1.00	
1,2-Dichloroethane	ND	0.67	1.00	
1,1-Dichloroethene	ND	0.67	1.00	
c-1,2-Dichloroethene	ND	0.67	1.00	
t-1,2-Dichloroethene	ND	0.67	1.00	
1,2-Dichloropropane	ND	0.67	1.00	
1,3-Dichloropropane	ND	0.67	1.00	
2,2-Dichloropropane	ND	3.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 6 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.3	1.00	
c-1,3-Dichloropropene	ND	0.67	1.00	
t-1,3-Dichloropropene	ND	1.3	1.00	
Ethylbenzene	ND	0.67	1.00	
2-Hexanone	ND	13	1.00	
Isopropylbenzene	ND	0.67	1.00	
p-Isopropyltoluene	ND	0.67	1.00	
Methylene Chloride	ND	6.7	1.00	
4-Methyl-2-Pentanone	ND	13	1.00	
Naphthalene	ND	6.7	1.00	
n-Propylbenzene	ND	1.3	1.00	
Styrene	ND	0.67	1.00	
1,1,1,2-Tetrachloroethane	ND	0.67	1.00	
1,1,2,2-Tetrachloroethane	ND	1.3	1.00	
Tetrachloroethene	ND	0.67	1.00	
Toluene	ND	0.67	1.00	
1,2,3-Trichlorobenzene	ND	1.3	1.00	
1,2,4-Trichlorobenzene	ND	1.3	1.00	
1,1,1-Trichloroethane	ND	0.67	1.00	
1,1,2-Trichloroethane	ND	0.67	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	6.7	1.00	
Trichloroethene	ND	1.3	1.00	
Trichlorofluoromethane	ND	6.7	1.00	
1,2,3-Trichloropropane	ND	1.3	1.00	
1,2,4-Trimethylbenzene	ND	1.3	1.00	
1,3,5-Trimethylbenzene	ND	1.3	1.00	
Vinyl Acetate	ND	6.7	1.00	
Vinyl Chloride	ND	0.67	1.00	
p/m-Xylene	ND	1.3	1.00	
o-Xylene	ND	0.67	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.3	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 7 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-15	**14-05-1745-4-C**	**05/22/14 09:57**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 18:05**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	38	1.00	
Benzene	ND	0.76	1.00	
Bromobenzene	ND	0.76	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.76	1.00	
Bromoform	ND	3.8	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.76	1.00	
sec-Butylbenzene	ND	0.76	1.00	
tert-Butylbenzene	ND	0.76	1.00	
Carbon Disulfide	ND	7.6	1.00	
Carbon Tetrachloride	ND	0.76	1.00	
Chlorobenzene	ND	0.76	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.76	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.76	1.00	
4-Chlorotoluene	ND	0.76	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.8	1.00	
1,2-Dibromoethane	ND	0.76	1.00	
Dibromomethane	ND	0.76	1.00	
1,2-Dichlorobenzene	ND	0.76	1.00	
1,3-Dichlorobenzene	ND	0.76	1.00	
1,4-Dichlorobenzene	ND	0.76	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.76	1.00	
1,2-Dichloroethane	ND	0.76	1.00	
1,1-Dichloroethene	ND	0.76	1.00	
c-1,2-Dichloroethene	ND	0.76	1.00	
t-1,2-Dichloroethene	ND	0.76	1.00	
1,2-Dichloropropane	ND	0.76	1.00	
1,3-Dichloropropane	ND	0.76	1.00	
2,2-Dichloropropane	ND	3.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 8 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.76	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.76	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.76	1.00	
p-Isopropyltoluene	ND	0.76	1.00	
Methylene Chloride	ND	7.6	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.6	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.76	1.00	
1,1,1,2-Tetrachloroethane	ND	0.76	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.76	1.00	
Toluene	ND	0.76	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.76	1.00	
1,1,2-Trichloroethane	ND	0.76	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.6	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.6	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.6	1.00	
Vinyl Chloride	ND	0.76	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.76	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 9 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-2	**14-05-1745-5-D**	**05/22/14 14:40**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 18:32**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	47	41	1.00	
Benzene	40	0.82	1.00	
Bromobenzene	ND	0.82	1.00	
Bromochloromethane	ND	1.6	1.00	
Bromodichloromethane	ND	0.82	1.00	
Bromoform	ND	4.1	1.00	
Bromomethane	ND	16	1.00	
2-Butanone	ND	16	1.00	
n-Butylbenzene	ND	0.82	1.00	
sec-Butylbenzene	ND	0.82	1.00	
tert-Butylbenzene	ND	0.82	1.00	
Carbon Disulfide	ND	8.2	1.00	
Carbon Tetrachloride	ND	0.82	1.00	
Chlorobenzene	ND	0.82	1.00	
Chloroethane	ND	1.6	1.00	
Chloroform	ND	0.82	1.00	
Chloromethane	ND	16	1.00	
2-Chlorotoluene	ND	0.82	1.00	
4-Chlorotoluene	ND	0.82	1.00	
Dibromochloromethane	ND	1.6	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.00	
1,2-Dibromoethane	ND	0.82	1.00	
Dibromomethane	ND	0.82	1.00	
1,2-Dichlorobenzene	ND	0.82	1.00	
1,3-Dichlorobenzene	ND	0.82	1.00	
1,4-Dichlorobenzene	ND	0.82	1.00	
Dichlorodifluoromethane	ND	1.6	1.00	
1,1-Dichloroethane	ND	0.82	1.00	
1,2-Dichloroethane	ND	0.82	1.00	
1,1-Dichloroethene	ND	0.82	1.00	
c-1,2-Dichloroethene	ND	0.82	1.00	
t-1,2-Dichloroethene	ND	0.82	1.00	
1,2-Dichloropropane	ND	0.82	1.00	
1,3-Dichloropropane	ND	0.82	1.00	
2,2-Dichloropropane	ND	4.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 10 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.6	1.00	
c-1,3-Dichloropropene	ND	0.82	1.00	
t-1,3-Dichloropropene	ND	1.6	1.00	
Ethylbenzene	9.4	0.82	1.00	
2-Hexanone	ND	16	1.00	
Isopropylbenzene	ND	0.82	1.00	
p-Isopropyltoluene	ND	0.82	1.00	
Methylene Chloride	ND	8.2	1.00	
4-Methyl-2-Pentanone	ND	16	1.00	
Naphthalene	ND	8.2	1.00	
n-Propylbenzene	ND	1.6	1.00	
Styrene	ND	0.82	1.00	
1,1,1,2-Tetrachloroethane	ND	0.82	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	1.00	
Tetrachloroethene	ND	0.82	1.00	
Toluene	49	0.82	1.00	
1,2,3-Trichlorobenzene	ND	1.6	1.00	
1,2,4-Trichlorobenzene	ND	1.6	1.00	
1,1,1-Trichloroethane	ND	0.82	1.00	
1,1,2-Trichloroethane	ND	0.82	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	1.00	
Trichloroethene	ND	1.6	1.00	
Trichlorofluoromethane	ND	8.2	1.00	
1,2,3-Trichloropropane	ND	1.6	1.00	
1,2,4-Trimethylbenzene	2.3	1.6	1.00	
1,3,5-Trimethylbenzene	ND	1.6	1.00	
Vinyl Acetate	ND	8.2	1.00	
Vinyl Chloride	ND	0.82	1.00	
p/m-Xylene	14	1.6	1.00	
o-Xylene	5.4	0.82	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 11 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-5	**14-05-1745-6-C**	**05/22/14 14:43**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 18:59**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	42	1.00	
Benzene	ND	0.84	1.00	
Bromobenzene	ND	0.84	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.84	1.00	
Bromoform	ND	4.2	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.84	1.00	
sec-Butylbenzene	ND	0.84	1.00	
tert-Butylbenzene	ND	0.84	1.00	
Carbon Disulfide	ND	8.4	1.00	
Carbon Tetrachloride	ND	0.84	1.00	
Chlorobenzene	ND	0.84	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.84	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.84	1.00	
4-Chlorotoluene	ND	0.84	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.00	
1,2-Dibromoethane	ND	0.84	1.00	
Dibromomethane	ND	0.84	1.00	
1,2-Dichlorobenzene	ND	0.84	1.00	
1,3-Dichlorobenzene	ND	0.84	1.00	
1,4-Dichlorobenzene	ND	0.84	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.84	1.00	
1,2-Dichloroethane	ND	0.84	1.00	
1,1-Dichloroethene	ND	0.84	1.00	
c-1,2-Dichloroethene	ND	0.84	1.00	
t-1,2-Dichloroethene	ND	0.84	1.00	
1,2-Dichloropropane	ND	0.84	1.00	
1,3-Dichloropropane	ND	0.84	1.00	
2,2-Dichloropropane	ND	4.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 12 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.84	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.84	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.84	1.00	
p-Isopropyltoluene	ND	0.84	1.00	
Methylene Chloride	ND	8.4	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.4	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.84	1.00	
1,1,1,2-Tetrachloroethane	ND	0.84	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.84	1.00	
Toluene	ND	0.84	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.84	1.00	
1,1,2-Trichloroethane	ND	0.84	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.4	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.4	1.00	
Vinyl Chloride	ND	0.84	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.84	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 13 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-10	**14-05-1745-7-C**	**05/22/14 14:48**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 19:26**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	ND	0.74	1.00	
Bromobenzene	ND	0.74	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.74	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.74	1.00	
sec-Butylbenzene	ND	0.74	1.00	
tert-Butylbenzene	ND	0.74	1.00	
Carbon Disulfide	ND	7.4	1.00	
Carbon Tetrachloride	ND	0.74	1.00	
Chlorobenzene	ND	0.74	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.74	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.74	1.00	
4-Chlorotoluene	ND	0.74	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.74	1.00	
Dibromomethane	ND	0.74	1.00	
1,2-Dichlorobenzene	ND	0.74	1.00	
1,3-Dichlorobenzene	ND	0.74	1.00	
1,4-Dichlorobenzene	ND	0.74	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.74	1.00	
1,2-Dichloroethane	ND	0.74	1.00	
1,1-Dichloroethene	ND	0.74	1.00	
c-1,2-Dichloroethene	ND	0.74	1.00	
t-1,2-Dichloroethene	ND	0.74	1.00	
1,2-Dichloropropane	ND	0.74	1.00	
1,3-Dichloropropane	ND	0.74	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 14 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.74	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.74	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.74	1.00	
p-Isopropyltoluene	ND	0.74	1.00	
Methylene Chloride	ND	7.4	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.4	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.74	1.00	
1,1,1,2-Tetrachloroethane	ND	0.74	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.74	1.00	
Toluene	ND	0.74	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.4	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.4	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.4	1.00	
Vinyl Chloride	ND	0.74	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.74	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 15 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-15	**14-05-1745-8-C**	**05/22/14 14:54**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 19:53**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	46	1.00	
Benzene	ND	0.92	1.00	
Bromobenzene	ND	0.92	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.92	1.00	
Bromoform	ND	4.6	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.92	1.00	
sec-Butylbenzene	ND	0.92	1.00	
tert-Butylbenzene	ND	0.92	1.00	
Carbon Disulfide	ND	9.2	1.00	
Carbon Tetrachloride	ND	0.92	1.00	
Chlorobenzene	ND	0.92	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.92	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.92	1.00	
4-Chlorotoluene	ND	0.92	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.00	
1,2-Dibromoethane	ND	0.92	1.00	
Dibromomethane	ND	0.92	1.00	
1,2-Dichlorobenzene	ND	0.92	1.00	
1,3-Dichlorobenzene	ND	0.92	1.00	
1,4-Dichlorobenzene	ND	0.92	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.92	1.00	
1,2-Dichloroethane	ND	0.92	1.00	
1,1-Dichloroethene	ND	0.92	1.00	
c-1,2-Dichloroethene	ND	0.92	1.00	
t-1,2-Dichloroethene	ND	0.92	1.00	
1,2-Dichloropropane	ND	0.92	1.00	
1,3-Dichloropropane	ND	0.92	1.00	
2,2-Dichloropropane	ND	4.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 16 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.92	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.92	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.92	1.00	
p-Isopropyltoluene	ND	0.92	1.00	
Methylene Chloride	ND	9.2	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	9.2	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.92	1.00	
1,1,1,2-Tetrachloroethane	ND	0.92	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.92	1.00	
Toluene	ND	0.92	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.92	1.00	
1,1,2-Trichloroethane	ND	0.92	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	9.2	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	9.2	1.00	
Vinyl Chloride	ND	0.92	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.92	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 17 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-2	**14-05-1745-9-C**	**05/22/14 11:03**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 20:20**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	41	1.00	
Benzene	6.9	0.83	1.00	
Bromobenzene	ND	0.83	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.83	1.00	
Bromoform	ND	4.1	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.83	1.00	
sec-Butylbenzene	ND	0.83	1.00	
tert-Butylbenzene	ND	0.83	1.00	
Carbon Disulfide	ND	8.3	1.00	
Carbon Tetrachloride	ND	0.83	1.00	
Chlorobenzene	ND	0.83	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.83	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.83	1.00	
4-Chlorotoluene	ND	0.83	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.00	
1,2-Dibromoethane	ND	0.83	1.00	
Dibromomethane	ND	0.83	1.00	
1,2-Dichlorobenzene	ND	0.83	1.00	
1,3-Dichlorobenzene	ND	0.83	1.00	
1,4-Dichlorobenzene	ND	0.83	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.83	1.00	
1,2-Dichloroethane	ND	0.83	1.00	
1,1-Dichloroethene	ND	0.83	1.00	
c-1,2-Dichloroethene	ND	0.83	1.00	
t-1,2-Dichloroethene	ND	0.83	1.00	
1,2-Dichloropropane	ND	0.83	1.00	
1,3-Dichloropropane	ND	0.83	1.00	
2,2-Dichloropropane	ND	4.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 18 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.83	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	1.1	0.83	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.83	1.00	
p-Isopropyltoluene	ND	0.83	1.00	
Methylene Chloride	ND	8.3	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.3	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.83	1.00	
1,1,1,2-Tetrachloroethane	ND	0.83	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.83	1.00	
Toluene	7.1	0.83	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.3	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.3	1.00	
Vinyl Chloride	ND	0.83	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.83	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 19 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-5	**14-05-1745-10-C**	**05/22/14 11:09**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 20:47**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	53	1.00	
Benzene	2.5	1.1	1.00	
Bromobenzene	ND	1.1	1.00	
Bromochloromethane	ND	2.1	1.00	
Bromodichloromethane	ND	1.1	1.00	
Bromoform	ND	5.3	1.00	
Bromomethane	ND	21	1.00	
2-Butanone	ND	21	1.00	
n-Butylbenzene	ND	1.1	1.00	
sec-Butylbenzene	ND	1.1	1.00	
tert-Butylbenzene	ND	1.1	1.00	
Carbon Disulfide	ND	11	1.00	
Carbon Tetrachloride	ND	1.1	1.00	
Chlorobenzene	ND	1.1	1.00	
Chloroethane	ND	2.1	1.00	
Chloroform	ND	1.1	1.00	
Chloromethane	ND	21	1.00	
2-Chlorotoluene	ND	1.1	1.00	
4-Chlorotoluene	ND	1.1	1.00	
Dibromochloromethane	ND	2.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.3	1.00	
1,2-Dibromoethane	ND	1.1	1.00	
Dibromomethane	ND	1.1	1.00	
1,2-Dichlorobenzene	ND	1.1	1.00	
1,3-Dichlorobenzene	ND	1.1	1.00	
1,4-Dichlorobenzene	ND	1.1	1.00	
Dichlorodifluoromethane	ND	2.1	1.00	
1,1-Dichloroethane	ND	1.1	1.00	
1,2-Dichloroethane	ND	1.1	1.00	
1,1-Dichloroethene	ND	1.1	1.00	
c-1,2-Dichloroethene	ND	1.1	1.00	
t-1,2-Dichloroethene	ND	1.1	1.00	
1,2-Dichloropropane	ND	1.1	1.00	
1,3-Dichloropropane	ND	1.1	1.00	
2,2-Dichloropropane	ND	5.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 20 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.1	1.00	
c-1,3-Dichloropropene	ND	1.1	1.00	
t-1,3-Dichloropropene	ND	2.1	1.00	
Ethylbenzene	ND	1.1	1.00	
2-Hexanone	ND	21	1.00	
Isopropylbenzene	ND	1.1	1.00	
p-Isopropyltoluene	ND	1.1	1.00	
Methylene Chloride	ND	11	1.00	
4-Methyl-2-Pentanone	ND	21	1.00	
Naphthalene	ND	11	1.00	
n-Propylbenzene	ND	2.1	1.00	
Styrene	ND	1.1	1.00	
1,1,1,2-Tetrachloroethane	ND	1.1	1.00	
1,1,2,2-Tetrachloroethane	ND	2.1	1.00	
Tetrachloroethene	ND	1.1	1.00	
Toluene	3.0	1.1	1.00	
1,2,3-Trichlorobenzene	ND	2.1	1.00	
1,2,4-Trichlorobenzene	ND	2.1	1.00	
1,1,1-Trichloroethane	ND	1.1	1.00	
1,1,2-Trichloroethane	ND	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
Trichloroethene	ND	2.1	1.00	
Trichlorofluoromethane	ND	11	1.00	
1,2,3-Trichloropropane	ND	2.1	1.00	
1,2,4-Trimethylbenzene	ND	2.1	1.00	
1,3,5-Trimethylbenzene	ND	2.1	1.00	
Vinyl Acetate	ND	11	1.00	
Vinyl Chloride	ND	1.1	1.00	
p/m-Xylene	ND	2.1	1.00	
o-Xylene	ND	1.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 21 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-10	**14-05-1745-11-C**	**05/22/14 11:14**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 21:14**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	34	1.00	
Benzene	ND	0.68	1.00	
Bromobenzene	ND	0.68	1.00	
Bromochloromethane	ND	1.4	1.00	
Bromodichloromethane	ND	0.68	1.00	
Bromoform	ND	3.4	1.00	
Bromomethane	ND	14	1.00	
2-Butanone	ND	14	1.00	
n-Butylbenzene	ND	0.68	1.00	
sec-Butylbenzene	ND	0.68	1.00	
tert-Butylbenzene	ND	0.68	1.00	
Carbon Disulfide	ND	6.8	1.00	
Carbon Tetrachloride	ND	0.68	1.00	
Chlorobenzene	ND	0.68	1.00	
Chloroethane	ND	1.4	1.00	
Chloroform	ND	0.68	1.00	
Chloromethane	ND	14	1.00	
2-Chlorotoluene	ND	0.68	1.00	
4-Chlorotoluene	ND	0.68	1.00	
Dibromochloromethane	ND	1.4	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.4	1.00	
1,2-Dibromoethane	ND	0.68	1.00	
Dibromomethane	ND	0.68	1.00	
1,2-Dichlorobenzene	ND	0.68	1.00	
1,3-Dichlorobenzene	ND	0.68	1.00	
1,4-Dichlorobenzene	ND	0.68	1.00	
Dichlorodifluoromethane	ND	1.4	1.00	
1,1-Dichloroethane	ND	0.68	1.00	
1,2-Dichloroethane	ND	0.68	1.00	
1,1-Dichloroethene	ND	0.68	1.00	
c-1,2-Dichloroethene	ND	0.68	1.00	
t-1,2-Dichloroethene	ND	0.68	1.00	
1,2-Dichloropropane	ND	0.68	1.00	
1,3-Dichloropropane	ND	0.68	1.00	
2,2-Dichloropropane	ND	3.4	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 22 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.4	1.00	
c-1,3-Dichloropropene	ND	0.68	1.00	
t-1,3-Dichloropropene	ND	1.4	1.00	
Ethylbenzene	ND	0.68	1.00	
2-Hexanone	ND	14	1.00	
Isopropylbenzene	ND	0.68	1.00	
p-Isopropyltoluene	ND	0.68	1.00	
Methylene Chloride	ND	6.8	1.00	
4-Methyl-2-Pentanone	ND	14	1.00	
Naphthalene	ND	6.8	1.00	
n-Propylbenzene	ND	1.4	1.00	
Styrene	ND	0.68	1.00	
1,1,1,2-Tetrachloroethane	ND	0.68	1.00	
1,1,2,2-Tetrachloroethane	ND	1.4	1.00	
Tetrachloroethene	ND	0.68	1.00	
Toluene	ND	0.68	1.00	
1,2,3-Trichlorobenzene	ND	1.4	1.00	
1,2,4-Trichlorobenzene	ND	1.4	1.00	
1,1,1-Trichloroethane	ND	0.68	1.00	
1,1,2-Trichloroethane	ND	0.68	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	6.8	1.00	
Trichloroethene	ND	1.4	1.00	
Trichlorofluoromethane	ND	6.8	1.00	
1,2,3-Trichloropropane	ND	1.4	1.00	
1,2,4-Trimethylbenzene	ND	1.4	1.00	
1,3,5-Trimethylbenzene	ND	1.4	1.00	
Vinyl Acetate	ND	6.8	1.00	
Vinyl Chloride	ND	0.68	1.00	
p/m-Xylene	ND	1.4	1.00	
o-Xylene	ND	0.68	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 23 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-15	**14-05-1745-12-C**	**05/22/14 11:21**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 21:41**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	45	1.00	
Benzene	ND	0.89	1.00	
Bromobenzene	ND	0.89	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.89	1.00	
Bromoform	ND	4.5	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.89	1.00	
sec-Butylbenzene	ND	0.89	1.00	
tert-Butylbenzene	ND	0.89	1.00	
Carbon Disulfide	ND	8.9	1.00	
Carbon Tetrachloride	ND	0.89	1.00	
Chlorobenzene	ND	0.89	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.89	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.89	1.00	
4-Chlorotoluene	ND	0.89	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.00	
1,2-Dibromoethane	ND	0.89	1.00	
Dibromomethane	ND	0.89	1.00	
1,2-Dichlorobenzene	ND	0.89	1.00	
1,3-Dichlorobenzene	ND	0.89	1.00	
1,4-Dichlorobenzene	ND	0.89	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.89	1.00	
1,2-Dichloroethane	ND	0.89	1.00	
1,1-Dichloroethene	ND	0.89	1.00	
c-1,2-Dichloroethene	ND	0.89	1.00	
t-1,2-Dichloroethene	ND	0.89	1.00	
1,2-Dichloropropane	ND	0.89	1.00	
1,3-Dichloropropane	ND	0.89	1.00	
2,2-Dichloropropane	ND	4.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 24 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.89	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.89	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.89	1.00	
p-Isopropyltoluene	ND	0.89	1.00	
Methylene Chloride	ND	8.9	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	8.9	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.89	1.00	
1,1,1,2-Tetrachloroethane	ND	0.89	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.89	1.00	
Toluene	ND	0.89	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.89	1.00	
1,1,2-Trichloroethane	ND	0.89	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	8.9	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	8.9	1.00	
Vinyl Chloride	ND	0.89	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.89	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 25 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-2	**14-05-1745-15-C**	**05/22/14 13:33**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 22:07**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	90	53	1.00	
Benzene	ND	1.1	1.00	
Bromobenzene	ND	1.1	1.00	
Bromochloromethane	ND	2.1	1.00	
Bromodichloromethane	ND	1.1	1.00	
Bromoform	ND	5.3	1.00	
Bromomethane	ND	21	1.00	
2-Butanone	ND	21	1.00	
n-Butylbenzene	ND	1.1	1.00	
sec-Butylbenzene	ND	1.1	1.00	
tert-Butylbenzene	ND	1.1	1.00	
Carbon Disulfide	ND	11	1.00	
Carbon Tetrachloride	ND	1.1	1.00	
Chlorobenzene	ND	1.1	1.00	
Chloroethane	ND	2.1	1.00	
Chloroform	ND	1.1	1.00	
Chloromethane	ND	21	1.00	
2-Chlorotoluene	ND	1.1	1.00	
4-Chlorotoluene	ND	1.1	1.00	
Dibromochloromethane	ND	2.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.3	1.00	
1,2-Dibromoethane	ND	1.1	1.00	
Dibromomethane	ND	1.1	1.00	
1,2-Dichlorobenzene	ND	1.1	1.00	
1,3-Dichlorobenzene	ND	1.1	1.00	
1,4-Dichlorobenzene	ND	1.1	1.00	
Dichlorodifluoromethane	ND	2.1	1.00	
1,1-Dichloroethane	ND	1.1	1.00	
1,2-Dichloroethane	ND	1.1	1.00	
1,1-Dichloroethene	ND	1.1	1.00	
c-1,2-Dichloroethene	ND	1.1	1.00	
t-1,2-Dichloroethene	ND	1.1	1.00	
1,2-Dichloropropane	ND	1.1	1.00	
1,3-Dichloropropane	ND	1.1	1.00	
2,2-Dichloropropane	ND	5.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 26 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.1	1.00	
c-1,3-Dichloropropene	ND	1.1	1.00	
t-1,3-Dichloropropene	ND	2.1	1.00	
Ethylbenzene	ND	1.1	1.00	
2-Hexanone	ND	21	1.00	
Isopropylbenzene	ND	1.1	1.00	
p-Isopropyltoluene	ND	1.1	1.00	
Methylene Chloride	ND	11	1.00	
4-Methyl-2-Pentanone	ND	21	1.00	
Naphthalene	ND	11	1.00	
n-Propylbenzene	ND	2.1	1.00	
Styrene	ND	1.1	1.00	
1,1,1,2-Tetrachloroethane	ND	1.1	1.00	
1,1,2,2-Tetrachloroethane	ND	2.1	1.00	
Tetrachloroethene	ND	1.1	1.00	
Toluene	ND	1.1	1.00	
1,2,3-Trichlorobenzene	ND	2.1	1.00	
1,2,4-Trichlorobenzene	ND	2.1	1.00	
1,1,1-Trichloroethane	ND	1.1	1.00	
1,1,2-Trichloroethane	ND	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
Trichloroethene	ND	2.1	1.00	
Trichlorofluoromethane	ND	11	1.00	
1,2,3-Trichloropropane	ND	2.1	1.00	
1,2,4-Trimethylbenzene	ND	2.1	1.00	
1,3,5-Trimethylbenzene	ND	2.1	1.00	
Vinyl Acetate	ND	11	1.00	
Vinyl Chloride	ND	1.1	1.00	
p/m-Xylene	ND	2.1	1.00	
o-Xylene	ND	1.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 27 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-5	**14-05-1745-16-C**	**05/22/14 13:50**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 22:34**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	48	1.00	
Benzene	2.3	0.96	1.00	
Bromobenzene	ND	0.96	1.00	
Bromochloromethane	ND	1.9	1.00	
Bromodichloromethane	ND	0.96	1.00	
Bromoform	ND	4.8	1.00	
Bromomethane	ND	19	1.00	
2-Butanone	ND	19	1.00	
n-Butylbenzene	ND	0.96	1.00	
sec-Butylbenzene	ND	0.96	1.00	
tert-Butylbenzene	ND	0.96	1.00	
Carbon Disulfide	ND	9.6	1.00	
Carbon Tetrachloride	ND	0.96	1.00	
Chlorobenzene	ND	0.96	1.00	
Chloroethane	ND	1.9	1.00	
Chloroform	ND	0.96	1.00	
Chloromethane	ND	19	1.00	
2-Chlorotoluene	ND	0.96	1.00	
4-Chlorotoluene	ND	0.96	1.00	
Dibromochloromethane	ND	1.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.00	
1,2-Dibromoethane	ND	0.96	1.00	
Dibromomethane	ND	0.96	1.00	
1,2-Dichlorobenzene	ND	0.96	1.00	
1,3-Dichlorobenzene	ND	0.96	1.00	
1,4-Dichlorobenzene	ND	0.96	1.00	
Dichlorodifluoromethane	ND	1.9	1.00	
1,1-Dichloroethane	ND	0.96	1.00	
1,2-Dichloroethane	ND	0.96	1.00	
1,1-Dichloroethene	ND	0.96	1.00	
c-1,2-Dichloroethene	ND	0.96	1.00	
t-1,2-Dichloroethene	ND	0.96	1.00	
1,2-Dichloropropane	ND	0.96	1.00	
1,3-Dichloropropane	ND	0.96	1.00	
2,2-Dichloropropane	ND	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 28 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	
c-1,3-Dichloropropene	ND	0.96	1.00	
t-1,3-Dichloropropene	ND	1.9	1.00	
Ethylbenzene	ND	0.96	1.00	
2-Hexanone	ND	19	1.00	
Isopropylbenzene	ND	0.96	1.00	
p-Isopropyltoluene	ND	0.96	1.00	
Methylene Chloride	ND	9.6	1.00	
4-Methyl-2-Pentanone	ND	19	1.00	
Naphthalene	ND	9.6	1.00	
n-Propylbenzene	ND	1.9	1.00	
Styrene	ND	0.96	1.00	
1,1,1,2-Tetrachloroethane	ND	0.96	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	
Tetrachloroethene	ND	0.96	1.00	
Toluene	2.0	0.96	1.00	
1,2,3-Trichlorobenzene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	1.9	1.00	
1,1,1-Trichloroethane	ND	0.96	1.00	
1,1,2-Trichloroethane	ND	0.96	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.6	1.00	
Trichloroethene	ND	1.9	1.00	
Trichlorofluoromethane	ND	9.6	1.00	
1,2,3-Trichloropropane	ND	1.9	1.00	
1,2,4-Trimethylbenzene	ND	1.9	1.00	
1,3,5-Trimethylbenzene	ND	1.9	1.00	
Vinyl Acetate	ND	9.6	1.00	
Vinyl Chloride	ND	0.96	1.00	
p/m-Xylene	ND	1.9	1.00	
o-Xylene	ND	0.96	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 29 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-10	**14-05-1745-17-C**	**05/22/14 14:22**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 23:01**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	35	1.00	
Benzene	1.2	0.70	1.00	
Bromobenzene	ND	0.70	1.00	
Bromochloromethane	ND	1.4	1.00	
Bromodichloromethane	ND	0.70	1.00	
Bromoform	ND	3.5	1.00	
Bromomethane	ND	14	1.00	
2-Butanone	ND	14	1.00	
n-Butylbenzene	ND	0.70	1.00	
sec-Butylbenzene	ND	0.70	1.00	
tert-Butylbenzene	ND	0.70	1.00	
Carbon Disulfide	ND	7.0	1.00	
Carbon Tetrachloride	ND	0.70	1.00	
Chlorobenzene	ND	0.70	1.00	
Chloroethane	ND	1.4	1.00	
Chloroform	ND	0.70	1.00	
Chloromethane	ND	14	1.00	
2-Chlorotoluene	ND	0.70	1.00	
4-Chlorotoluene	ND	0.70	1.00	
Dibromochloromethane	ND	1.4	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.5	1.00	
1,2-Dibromoethane	ND	0.70	1.00	
Dibromomethane	ND	0.70	1.00	
1,2-Dichlorobenzene	ND	0.70	1.00	
1,3-Dichlorobenzene	ND	0.70	1.00	
1,4-Dichlorobenzene	ND	0.70	1.00	
Dichlorodifluoromethane	ND	1.4	1.00	
1,1-Dichloroethane	ND	0.70	1.00	
1,2-Dichloroethane	ND	0.70	1.00	
1,1-Dichloroethene	ND	0.70	1.00	
c-1,2-Dichloroethene	ND	0.70	1.00	
t-1,2-Dichloroethene	ND	0.70	1.00	
1,2-Dichloropropane	ND	0.70	1.00	
1,3-Dichloropropane	ND	0.70	1.00	
2,2-Dichloropropane	ND	3.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 30 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.4	1.00	
c-1,3-Dichloropropene	ND	0.70	1.00	
t-1,3-Dichloropropene	ND	1.4	1.00	
Ethylbenzene	ND	0.70	1.00	
2-Hexanone	ND	14	1.00	
Isopropylbenzene	ND	0.70	1.00	
p-Isopropyltoluene	ND	0.70	1.00	
Methylene Chloride	ND	7.0	1.00	
4-Methyl-2-Pentanone	ND	14	1.00	
Naphthalene	ND	7.0	1.00	
n-Propylbenzene	ND	1.4	1.00	
Styrene	ND	0.70	1.00	
1,1,1,2-Tetrachloroethane	ND	0.70	1.00	
1,1,2,2-Tetrachloroethane	ND	1.4	1.00	
Tetrachloroethene	ND	0.70	1.00	
Toluene	ND	0.70	1.00	
1,2,3-Trichlorobenzene	ND	1.4	1.00	
1,2,4-Trichlorobenzene	ND	1.4	1.00	
1,1,1-Trichloroethane	ND	0.70	1.00	
1,1,2-Trichloroethane	ND	0.70	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.0	1.00	
Trichloroethene	ND	1.4	1.00	
Trichlorofluoromethane	ND	7.0	1.00	
1,2,3-Trichloropropane	ND	1.4	1.00	
1,2,4-Trimethylbenzene	ND	1.4	1.00	
1,3,5-Trimethylbenzene	ND	1.4	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	0.70	1.00	
p/m-Xylene	ND	1.4	1.00	
o-Xylene	ND	0.70	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 31 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4B-15	**14-05-1745-18-D**	**05/22/14 14:29**	**Solid**	**GC/MS BB**	**05/22/14**	**05/23/14 23:28**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	41	1.00	
Benzene	1.2	0.82	1.00	
Bromobenzene	ND	0.82	1.00	
Bromochloromethane	ND	1.6	1.00	
Bromodichloromethane	ND	0.82	1.00	
Bromoform	ND	4.1	1.00	
Bromomethane	ND	16	1.00	
2-Butanone	ND	16	1.00	
n-Butylbenzene	ND	0.82	1.00	
sec-Butylbenzene	ND	0.82	1.00	
tert-Butylbenzene	ND	0.82	1.00	
Carbon Disulfide	ND	8.2	1.00	
Carbon Tetrachloride	ND	0.82	1.00	
Chlorobenzene	ND	0.82	1.00	
Chloroethane	ND	1.6	1.00	
Chloroform	ND	0.82	1.00	
Chloromethane	ND	16	1.00	
2-Chlorotoluene	ND	0.82	1.00	
4-Chlorotoluene	ND	0.82	1.00	
Dibromochloromethane	ND	1.6	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.00	
1,2-Dibromoethane	ND	0.82	1.00	
Dibromomethane	ND	0.82	1.00	
1,2-Dichlorobenzene	ND	0.82	1.00	
1,3-Dichlorobenzene	ND	0.82	1.00	
1,4-Dichlorobenzene	ND	0.82	1.00	
Dichlorodifluoromethane	ND	1.6	1.00	
1,1-Dichloroethane	ND	0.82	1.00	
1,2-Dichloroethane	ND	0.82	1.00	
1,1-Dichloroethene	ND	0.82	1.00	
c-1,2-Dichloroethene	ND	0.82	1.00	
t-1,2-Dichloroethene	ND	0.82	1.00	
1,2-Dichloropropane	ND	0.82	1.00	
1,3-Dichloropropane	ND	0.82	1.00	
2,2-Dichloropropane	ND	4.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 32 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.6	1.00	
c-1,3-Dichloropropene	ND	0.82	1.00	
t-1,3-Dichloropropene	ND	1.6	1.00	
Ethylbenzene	ND	0.82	1.00	
2-Hexanone	ND	16	1.00	
Isopropylbenzene	ND	0.82	1.00	
p-Isopropyltoluene	ND	0.82	1.00	
Methylene Chloride	ND	8.2	1.00	
4-Methyl-2-Pentanone	ND	16	1.00	
Naphthalene	ND	8.2	1.00	
n-Propylbenzene	ND	1.6	1.00	
Styrene	ND	0.82	1.00	
1,1,1,2-Tetrachloroethane	ND	0.82	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	1.00	
Tetrachloroethene	ND	0.82	1.00	
Toluene	0.83	0.82	1.00	
1,2,3-Trichlorobenzene	ND	1.6	1.00	
1,2,4-Trichlorobenzene	ND	1.6	1.00	
1,1,1-Trichloroethane	ND	0.82	1.00	
1,1,2-Trichloroethane	ND	0.82	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	1.00	
Trichloroethene	ND	1.6	1.00	
Trichlorofluoromethane	ND	8.2	1.00	
1,2,3-Trichloropropane	ND	1.6	1.00	
1,2,4-Trimethylbenzene	ND	1.6	1.00	
1,3,5-Trimethylbenzene	ND	1.6	1.00	
Vinyl Acetate	ND	8.2	1.00	
Vinyl Chloride	ND	0.82	1.00	
p/m-Xylene	ND	1.6	1.00	
o-Xylene	ND	0.82	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 33 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-2	**14-05-1745-19-D**	**05/22/14 11:35**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 12:51**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	18	0.74	1.00	
Bromobenzene	ND	0.74	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.74	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.74	1.00	
sec-Butylbenzene	ND	0.74	1.00	
tert-Butylbenzene	ND	0.74	1.00	
Carbon Disulfide	ND	7.4	1.00	
Carbon Tetrachloride	ND	0.74	1.00	
Chlorobenzene	ND	0.74	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.74	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.74	1.00	
4-Chlorotoluene	ND	0.74	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.74	1.00	
Dibromomethane	ND	0.74	1.00	
1,2-Dichlorobenzene	ND	0.74	1.00	
1,3-Dichlorobenzene	ND	0.74	1.00	
1,4-Dichlorobenzene	ND	0.74	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.74	1.00	
1,2-Dichloroethane	ND	0.74	1.00	
1,1-Dichloroethene	ND	0.74	1.00	
c-1,2-Dichloroethene	ND	0.74	1.00	
t-1,2-Dichloroethene	ND	0.74	1.00	
1,2-Dichloropropane	ND	0.74	1.00	
1,3-Dichloropropane	ND	0.74	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 34 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.74	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	2.1	0.74	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.74	1.00	
p-Isopropyltoluene	ND	0.74	1.00	
Methylene Chloride	ND	7.4	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.4	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.74	1.00	
1,1,1,2-Tetrachloroethane	ND	0.74	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.74	1.00	
Toluene	14	0.74	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.4	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.4	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.4	1.00	
Vinyl Chloride	ND	0.74	1.00	
p/m-Xylene	2.4	1.5	1.00	
o-Xylene	1.1	0.74	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	80-120	2,6
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	100	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 35 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-5	**14-05-1745-20-D**	**05/22/14 11:40**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 00:21**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	ND	0.73	1.00	
Bromobenzene	ND	0.73	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.73	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.73	1.00	
sec-Butylbenzene	ND	0.73	1.00	
tert-Butylbenzene	ND	0.73	1.00	
Carbon Disulfide	ND	7.3	1.00	
Carbon Tetrachloride	ND	0.73	1.00	
Chlorobenzene	ND	0.73	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.73	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.73	1.00	
4-Chlorotoluene	ND	0.73	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.73	1.00	
Dibromomethane	ND	0.73	1.00	
1,2-Dichlorobenzene	ND	0.73	1.00	
1,3-Dichlorobenzene	ND	0.73	1.00	
1,4-Dichlorobenzene	ND	0.73	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.73	1.00	
1,2-Dichloroethane	ND	0.73	1.00	
1,1-Dichloroethene	ND	0.73	1.00	
c-1,2-Dichloroethene	ND	0.73	1.00	
t-1,2-Dichloroethene	ND	0.73	1.00	
1,2-Dichloropropane	ND	0.73	1.00	
1,3-Dichloropropane	ND	0.73	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 36 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.73	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.73	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.73	1.00	
p-Isopropyltoluene	ND	0.73	1.00	
Methylene Chloride	ND	7.3	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.3	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.73	1.00	
1,1,1,2-Tetrachloroethane	ND	0.73	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.73	1.00	
Toluene	ND	0.73	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.73	1.00	
1,1,2-Trichloroethane	ND	0.73	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.3	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.3	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.3	1.00	
Vinyl Chloride	ND	0.73	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.73	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 37 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-10	**14-05-1745-21-C**	**05/22/14 11:47**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 00:48**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	1.2	0.74	1.00	
Bromobenzene	ND	0.74	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.74	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.74	1.00	
sec-Butylbenzene	ND	0.74	1.00	
tert-Butylbenzene	ND	0.74	1.00	
Carbon Disulfide	ND	7.4	1.00	
Carbon Tetrachloride	ND	0.74	1.00	
Chlorobenzene	ND	0.74	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.74	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.74	1.00	
4-Chlorotoluene	ND	0.74	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.74	1.00	
Dibromomethane	ND	0.74	1.00	
1,2-Dichlorobenzene	ND	0.74	1.00	
1,3-Dichlorobenzene	ND	0.74	1.00	
1,4-Dichlorobenzene	ND	0.74	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.74	1.00	
1,2-Dichloroethane	ND	0.74	1.00	
1,1-Dichloroethene	ND	0.74	1.00	
c-1,2-Dichloroethene	ND	0.74	1.00	
t-1,2-Dichloroethene	ND	0.74	1.00	
1,2-Dichloropropane	ND	0.74	1.00	
1,3-Dichloropropane	ND	0.74	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 38 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.74	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.74	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.74	1.00	
p-Isopropyltoluene	ND	0.74	1.00	
Methylene Chloride	ND	7.4	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.4	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.74	1.00	
1,1,1,2-Tetrachloroethane	ND	0.74	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.74	1.00	
Toluene	0.74	0.74	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.4	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.4	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.4	1.00	
Vinyl Chloride	ND	0.74	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.74	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 39 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-5-15	**14-05-1745-22-C**	**05/22/14 11:53**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 13:18**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	33	1.00	
Benzene	ND	0.66	1.00	
Bromobenzene	ND	0.66	1.00	
Bromochloromethane	ND	1.3	1.00	
Bromodichloromethane	ND	0.66	1.00	
Bromoform	ND	3.3	1.00	
Bromomethane	ND	13	1.00	
2-Butanone	ND	13	1.00	
n-Butylbenzene	ND	0.66	1.00	
sec-Butylbenzene	ND	0.66	1.00	
tert-Butylbenzene	ND	0.66	1.00	
Carbon Disulfide	ND	6.6	1.00	
Carbon Tetrachloride	ND	0.66	1.00	
Chlorobenzene	ND	0.66	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	0.66	1.00	
Chloromethane	ND	13	1.00	
2-Chlorotoluene	ND	0.66	1.00	
4-Chlorotoluene	ND	0.66	1.00	
Dibromochloromethane	ND	1.3	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.3	1.00	
1,2-Dibromoethane	ND	0.66	1.00	
Dibromomethane	ND	0.66	1.00	
1,2-Dichlorobenzene	ND	0.66	1.00	
1,3-Dichlorobenzene	ND	0.66	1.00	
1,4-Dichlorobenzene	ND	0.66	1.00	
Dichlorodifluoromethane	ND	1.3	1.00	
1,1-Dichloroethane	ND	0.66	1.00	
1,2-Dichloroethane	ND	0.66	1.00	
1,1-Dichloroethene	ND	0.66	1.00	
c-1,2-Dichloroethene	ND	0.66	1.00	
t-1,2-Dichloroethene	ND	0.66	1.00	
1,2-Dichloropropane	ND	0.66	1.00	
1,3-Dichloropropane	ND	0.66	1.00	
2,2-Dichloropropane	ND	3.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 40 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.3	1.00	
c-1,3-Dichloropropene	ND	0.66	1.00	
t-1,3-Dichloropropene	ND	1.3	1.00	
Ethylbenzene	ND	0.66	1.00	
2-Hexanone	ND	13	1.00	
Isopropylbenzene	ND	0.66	1.00	
p-Isopropyltoluene	ND	0.66	1.00	
Methylene Chloride	ND	6.6	1.00	
4-Methyl-2-Pentanone	ND	13	1.00	
Naphthalene	ND	6.6	1.00	
n-Propylbenzene	ND	1.3	1.00	
Styrene	ND	0.66	1.00	
1,1,1,2-Tetrachloroethane	ND	0.66	1.00	
1,1,2,2-Tetrachloroethane	ND	1.3	1.00	
Tetrachloroethene	ND	0.66	1.00	
Toluene	ND	0.66	1.00	
1,2,3-Trichlorobenzene	ND	1.3	1.00	
1,2,4-Trichlorobenzene	ND	1.3	1.00	
1,1,1-Trichloroethane	ND	0.66	1.00	
1,1,2-Trichloroethane	ND	0.66	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	6.6	1.00	
Trichloroethene	ND	1.3	1.00	
Trichlorofluoromethane	ND	6.6	1.00	
1,2,3-Trichloropropane	ND	1.3	1.00	
1,2,4-Trimethylbenzene	ND	1.3	1.00	
1,3,5-Trimethylbenzene	ND	1.3	1.00	
Vinyl Acetate	ND	6.6	1.00	
Vinyl Chloride	ND	0.66	1.00	
p/m-Xylene	ND	1.3	1.00	
o-Xylene	ND	0.66	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.3	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 41 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-2	**14-05-1745-23-C**	**05/22/14 12:10**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 13:45**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	2.5	0.74	1.00	
Bromobenzene	ND	0.74	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.74	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.74	1.00	
sec-Butylbenzene	ND	0.74	1.00	
tert-Butylbenzene	ND	0.74	1.00	
Carbon Disulfide	ND	7.4	1.00	
Carbon Tetrachloride	ND	0.74	1.00	
Chlorobenzene	ND	0.74	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.74	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.74	1.00	
4-Chlorotoluene	ND	0.74	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.74	1.00	
Dibromomethane	ND	0.74	1.00	
1,2-Dichlorobenzene	ND	0.74	1.00	
1,3-Dichlorobenzene	ND	0.74	1.00	
1,4-Dichlorobenzene	ND	0.74	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.74	1.00	
1,2-Dichloroethane	ND	0.74	1.00	
1,1-Dichloroethene	ND	0.74	1.00	
c-1,2-Dichloroethene	ND	0.74	1.00	
t-1,2-Dichloroethene	ND	0.74	1.00	
1,2-Dichloropropane	ND	0.74	1.00	
1,3-Dichloropropane	ND	0.74	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 42 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.74	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.74	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.74	1.00	
p-Isopropyltoluene	ND	0.74	1.00	
Methylene Chloride	ND	7.4	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.4	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.74	1.00	
1,1,1,2-Tetrachloroethane	ND	0.74	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.74	1.00	
Toluene	2.2	0.74	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloroethane	ND	0.74	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.4	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.4	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.4	1.00	
Vinyl Chloride	ND	0.74	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.74	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 43 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-5	**14-05-1745-24-C**	**05/22/14 12:15**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 14:12**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	38	1.00	
Benzene	ND	0.76	1.00	
Bromobenzene	ND	0.76	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.76	1.00	
Bromoform	ND	3.8	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.76	1.00	
sec-Butylbenzene	ND	0.76	1.00	
tert-Butylbenzene	ND	0.76	1.00	
Carbon Disulfide	ND	7.6	1.00	
Carbon Tetrachloride	ND	0.76	1.00	
Chlorobenzene	ND	0.76	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.76	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.76	1.00	
4-Chlorotoluene	ND	0.76	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.8	1.00	
1,2-Dibromoethane	ND	0.76	1.00	
Dibromomethane	ND	0.76	1.00	
1,2-Dichlorobenzene	ND	0.76	1.00	
1,3-Dichlorobenzene	ND	0.76	1.00	
1,4-Dichlorobenzene	ND	0.76	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.76	1.00	
1,2-Dichloroethane	ND	0.76	1.00	
1,1-Dichloroethene	ND	0.76	1.00	
c-1,2-Dichloroethene	ND	0.76	1.00	
t-1,2-Dichloroethene	ND	0.76	1.00	
1,2-Dichloropropane	ND	0.76	1.00	
1,3-Dichloropropane	ND	0.76	1.00	
2,2-Dichloropropane	ND	3.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 44 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.76	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.76	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.76	1.00	
p-Isopropyltoluene	ND	0.76	1.00	
Methylene Chloride	ND	7.6	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.6	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.76	1.00	
1,1,1,2-Tetrachloroethane	ND	0.76	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.76	1.00	
Toluene	ND	0.76	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.76	1.00	
1,1,2-Trichloroethane	ND	0.76	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.6	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.6	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.6	1.00	
Vinyl Chloride	ND	0.76	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.76	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 45 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-10	**14-05-1745-25-C**	**05/22/14 12:20**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 14:38**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	36	1.00	
Benzene	ND	0.73	1.00	
Bromobenzene	ND	0.73	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.73	1.00	
Bromoform	ND	3.6	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.73	1.00	
sec-Butylbenzene	ND	0.73	1.00	
tert-Butylbenzene	ND	0.73	1.00	
Carbon Disulfide	ND	7.3	1.00	
Carbon Tetrachloride	ND	0.73	1.00	
Chlorobenzene	ND	0.73	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.73	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.73	1.00	
4-Chlorotoluene	ND	0.73	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.6	1.00	
1,2-Dibromoethane	ND	0.73	1.00	
Dibromomethane	ND	0.73	1.00	
1,2-Dichlorobenzene	ND	0.73	1.00	
1,3-Dichlorobenzene	ND	0.73	1.00	
1,4-Dichlorobenzene	ND	0.73	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.73	1.00	
1,2-Dichloroethane	ND	0.73	1.00	
1,1-Dichloroethene	ND	0.73	1.00	
c-1,2-Dichloroethene	ND	0.73	1.00	
t-1,2-Dichloroethene	ND	0.73	1.00	
1,2-Dichloropropane	ND	0.73	1.00	
1,3-Dichloropropane	ND	0.73	1.00	
2,2-Dichloropropane	ND	3.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 46 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.73	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.73	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.73	1.00	
p-Isopropyltoluene	ND	0.73	1.00	
Methylene Chloride	ND	7.3	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.3	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.73	1.00	
1,1,1,2-Tetrachloroethane	ND	0.73	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.73	1.00	
Toluene	ND	0.73	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.73	1.00	
1,1,2-Trichloroethane	ND	0.73	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.3	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.3	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.3	1.00	
Vinyl Chloride	ND	0.73	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.73	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 47 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-6-15	**14-05-1745-26-C**	**05/22/14 12:25**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 15:05**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	36	1.00	
Benzene	ND	0.72	1.00	
Bromobenzene	ND	0.72	1.00	
Bromochloromethane	ND	1.4	1.00	
Bromodichloromethane	ND	0.72	1.00	
Bromoform	ND	3.6	1.00	
Bromomethane	ND	14	1.00	
2-Butanone	ND	14	1.00	
n-Butylbenzene	ND	0.72	1.00	
sec-Butylbenzene	ND	0.72	1.00	
tert-Butylbenzene	ND	0.72	1.00	
Carbon Disulfide	ND	7.2	1.00	
Carbon Tetrachloride	ND	0.72	1.00	
Chlorobenzene	ND	0.72	1.00	
Chloroethane	ND	1.4	1.00	
Chloroform	ND	0.72	1.00	
Chloromethane	ND	14	1.00	
2-Chlorotoluene	ND	0.72	1.00	
4-Chlorotoluene	ND	0.72	1.00	
Dibromochloromethane	ND	1.4	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.6	1.00	
1,2-Dibromoethane	ND	0.72	1.00	
Dibromomethane	ND	0.72	1.00	
1,2-Dichlorobenzene	ND	0.72	1.00	
1,3-Dichlorobenzene	ND	0.72	1.00	
1,4-Dichlorobenzene	ND	0.72	1.00	
Dichlorodifluoromethane	ND	1.4	1.00	
1,1-Dichloroethane	ND	0.72	1.00	
1,2-Dichloroethane	ND	0.72	1.00	
1,1-Dichloroethene	ND	0.72	1.00	
c-1,2-Dichloroethene	ND	0.72	1.00	
t-1,2-Dichloroethene	ND	0.72	1.00	
1,2-Dichloropropane	ND	0.72	1.00	
1,3-Dichloropropane	ND	0.72	1.00	
2,2-Dichloropropane	ND	3.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 48 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.4	1.00	
c-1,3-Dichloropropene	ND	0.72	1.00	
t-1,3-Dichloropropene	ND	1.4	1.00	
Ethylbenzene	ND	0.72	1.00	
2-Hexanone	ND	14	1.00	
Isopropylbenzene	ND	0.72	1.00	
p-Isopropyltoluene	ND	0.72	1.00	
Methylene Chloride	ND	7.2	1.00	
4-Methyl-2-Pentanone	ND	14	1.00	
Naphthalene	ND	7.2	1.00	
n-Propylbenzene	ND	1.4	1.00	
Styrene	ND	0.72	1.00	
1,1,1,2-Tetrachloroethane	ND	0.72	1.00	
1,1,2,2-Tetrachloroethane	ND	1.4	1.00	
Tetrachloroethene	ND	0.72	1.00	
Toluene	ND	0.72	1.00	
1,2,3-Trichlorobenzene	ND	1.4	1.00	
1,2,4-Trichlorobenzene	ND	1.4	1.00	
1,1,1-Trichloroethane	ND	0.72	1.00	
1,1,2-Trichloroethane	ND	0.72	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.2	1.00	
Trichloroethene	ND	1.4	1.00	
Trichlorofluoromethane	ND	7.2	1.00	
1,2,3-Trichloropropane	ND	1.4	1.00	
1,2,4-Trimethylbenzene	ND	1.4	1.00	
1,3,5-Trimethylbenzene	ND	1.4	1.00	
Vinyl Acetate	ND	7.2	1.00	
Vinyl Chloride	ND	0.72	1.00	
p/m-Xylene	ND	1.4	1.00	
o-Xylene	ND	0.72	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 49 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-2	**14-05-1745-27-C**	**05/22/14 07:23**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 15:32**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	48	1.00	
Benzene	ND	0.97	1.00	
Bromobenzene	ND	0.97	1.00	
Bromochloromethane	ND	1.9	1.00	
Bromodichloromethane	ND	0.97	1.00	
Bromoform	ND	4.8	1.00	
Bromomethane	ND	19	1.00	
2-Butanone	ND	19	1.00	
n-Butylbenzene	ND	0.97	1.00	
sec-Butylbenzene	ND	0.97	1.00	
tert-Butylbenzene	ND	0.97	1.00	
Carbon Disulfide	ND	9.7	1.00	
Carbon Tetrachloride	ND	0.97	1.00	
Chlorobenzene	ND	0.97	1.00	
Chloroethane	ND	1.9	1.00	
Chloroform	ND	0.97	1.00	
Chloromethane	ND	19	1.00	
2-Chlorotoluene	ND	0.97	1.00	
4-Chlorotoluene	ND	0.97	1.00	
Dibromochloromethane	ND	1.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.00	
1,2-Dibromoethane	ND	0.97	1.00	
Dibromomethane	ND	0.97	1.00	
1,2-Dichlorobenzene	ND	0.97	1.00	
1,3-Dichlorobenzene	ND	0.97	1.00	
1,4-Dichlorobenzene	ND	0.97	1.00	
Dichlorodifluoromethane	ND	1.9	1.00	
1,1-Dichloroethane	ND	0.97	1.00	
1,2-Dichloroethane	ND	0.97	1.00	
1,1-Dichloroethene	ND	0.97	1.00	
c-1,2-Dichloroethene	ND	0.97	1.00	
t-1,2-Dichloroethene	ND	0.97	1.00	
1,2-Dichloropropane	ND	0.97	1.00	
1,3-Dichloropropane	ND	0.97	1.00	
2,2-Dichloropropane	ND	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 50 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	
c-1,3-Dichloropropene	ND	0.97	1.00	
t-1,3-Dichloropropene	ND	1.9	1.00	
Ethylbenzene	ND	0.97	1.00	
2-Hexanone	ND	19	1.00	
Isopropylbenzene	ND	0.97	1.00	
p-Isopropyltoluene	ND	0.97	1.00	
Methylene Chloride	ND	9.7	1.00	
4-Methyl-2-Pentanone	ND	19	1.00	
Naphthalene	ND	9.7	1.00	
n-Propylbenzene	ND	1.9	1.00	
Styrene	ND	0.97	1.00	
1,1,1,2-Tetrachloroethane	ND	0.97	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	
Tetrachloroethene	ND	0.97	1.00	
Toluene	ND	0.97	1.00	
1,2,3-Trichlorobenzene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	1.9	1.00	
1,1,1-Trichloroethane	ND	0.97	1.00	
1,1,2-Trichloroethane	ND	0.97	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.7	1.00	
Trichloroethene	ND	1.9	1.00	
Trichlorofluoromethane	ND	9.7	1.00	
1,2,3-Trichloropropane	ND	1.9	1.00	
1,2,4-Trimethylbenzene	ND	1.9	1.00	
1,3,5-Trimethylbenzene	ND	1.9	1.00	
Vinyl Acetate	ND	9.7	1.00	
Vinyl Chloride	ND	0.97	1.00	
p/m-Xylene	ND	1.9	1.00	
o-Xylene	ND	0.97	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 51 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-5	**14-05-1745-28-C**	**05/22/14 07:38**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 15:59**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	36	1.00	
Benzene	ND	0.72	1.00	
Bromobenzene	ND	0.72	1.00	
Bromochloromethane	ND	1.4	1.00	
Bromodichloromethane	ND	0.72	1.00	
Bromoform	ND	3.6	1.00	
Bromomethane	ND	14	1.00	
2-Butanone	ND	14	1.00	
n-Butylbenzene	ND	0.72	1.00	
sec-Butylbenzene	ND	0.72	1.00	
tert-Butylbenzene	ND	0.72	1.00	
Carbon Disulfide	ND	7.2	1.00	
Carbon Tetrachloride	ND	0.72	1.00	
Chlorobenzene	ND	0.72	1.00	
Chloroethane	ND	1.4	1.00	
Chloroform	ND	0.72	1.00	
Chloromethane	ND	14	1.00	
2-Chlorotoluene	ND	0.72	1.00	
4-Chlorotoluene	ND	0.72	1.00	
Dibromochloromethane	ND	1.4	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.6	1.00	
1,2-Dibromoethane	ND	0.72	1.00	
Dibromomethane	ND	0.72	1.00	
1,2-Dichlorobenzene	ND	0.72	1.00	
1,3-Dichlorobenzene	ND	0.72	1.00	
1,4-Dichlorobenzene	ND	0.72	1.00	
Dichlorodifluoromethane	ND	1.4	1.00	
1,1-Dichloroethane	ND	0.72	1.00	
1,2-Dichloroethane	ND	0.72	1.00	
1,1-Dichloroethene	ND	0.72	1.00	
c-1,2-Dichloroethene	ND	0.72	1.00	
t-1,2-Dichloroethene	ND	0.72	1.00	
1,2-Dichloropropane	ND	0.72	1.00	
1,3-Dichloropropane	ND	0.72	1.00	
2,2-Dichloropropane	ND	3.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 52 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.4	1.00	
c-1,3-Dichloropropene	ND	0.72	1.00	
t-1,3-Dichloropropene	ND	1.4	1.00	
Ethylbenzene	ND	0.72	1.00	
2-Hexanone	ND	14	1.00	
Isopropylbenzene	ND	0.72	1.00	
p-Isopropyltoluene	ND	0.72	1.00	
Methylene Chloride	ND	7.2	1.00	
4-Methyl-2-Pentanone	ND	14	1.00	
Naphthalene	ND	7.2	1.00	
n-Propylbenzene	ND	1.4	1.00	
Styrene	ND	0.72	1.00	
1,1,1,2-Tetrachloroethane	ND	0.72	1.00	
1,1,2,2-Tetrachloroethane	ND	1.4	1.00	
Tetrachloroethene	ND	0.72	1.00	
Toluene	ND	0.72	1.00	
1,2,3-Trichlorobenzene	ND	1.4	1.00	
1,2,4-Trichlorobenzene	ND	1.4	1.00	
1,1,1-Trichloroethane	ND	0.72	1.00	
1,1,2-Trichloroethane	ND	0.72	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.2	1.00	
Trichloroethene	ND	1.4	1.00	
Trichlorofluoromethane	ND	7.2	1.00	
1,2,3-Trichloropropane	ND	1.4	1.00	
1,2,4-Trimethylbenzene	ND	1.4	1.00	
1,3,5-Trimethylbenzene	ND	1.4	1.00	
Vinyl Acetate	ND	7.2	1.00	
Vinyl Chloride	ND	0.72	1.00	
p/m-Xylene	ND	1.4	1.00	
o-Xylene	ND	0.72	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 53 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-10	**14-05-1745-29-C**	**05/22/14 07:45**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 16:26**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	46	1.00	
Benzene	ND	0.91	1.00	
Bromobenzene	ND	0.91	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.91	1.00	
Bromoform	ND	4.6	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.91	1.00	
sec-Butylbenzene	ND	0.91	1.00	
tert-Butylbenzene	ND	0.91	1.00	
Carbon Disulfide	ND	9.1	1.00	
Carbon Tetrachloride	ND	0.91	1.00	
Chlorobenzene	ND	0.91	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.91	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.91	1.00	
4-Chlorotoluene	ND	0.91	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.00	
1,2-Dibromoethane	ND	0.91	1.00	
Dibromomethane	ND	0.91	1.00	
1,2-Dichlorobenzene	ND	0.91	1.00	
1,3-Dichlorobenzene	ND	0.91	1.00	
1,4-Dichlorobenzene	ND	0.91	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.91	1.00	
1,2-Dichloroethane	ND	0.91	1.00	
1,1-Dichloroethene	ND	0.91	1.00	
c-1,2-Dichloroethene	ND	0.91	1.00	
t-1,2-Dichloroethene	ND	0.91	1.00	
1,2-Dichloropropane	ND	0.91	1.00	
1,3-Dichloropropane	ND	0.91	1.00	
2,2-Dichloropropane	ND	4.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 54 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.91	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.91	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.91	1.00	
p-Isopropyltoluene	ND	0.91	1.00	
Methylene Chloride	ND	9.1	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	9.1	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.91	1.00	
1,1,1,2-Tetrachloroethane	ND	0.91	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.91	1.00	
Toluene	ND	0.91	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.91	1.00	
1,1,2-Trichloroethane	ND	0.91	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	9.1	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	9.1	1.00	
Vinyl Chloride	ND	0.91	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.91	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 55 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-1-15	**14-05-1745-30-C**	**05/22/14 07:56**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 16:53**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	49	1.00	
Benzene	ND	0.99	1.00	
Bromobenzene	ND	0.99	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	0.99	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	0.99	1.00	
sec-Butylbenzene	ND	0.99	1.00	
tert-Butylbenzene	ND	0.99	1.00	
Carbon Disulfide	ND	9.9	1.00	
Carbon Tetrachloride	ND	0.99	1.00	
Chlorobenzene	ND	0.99	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	0.99	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	0.99	1.00	
4-Chlorotoluene	ND	0.99	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.00	
1,2-Dibromoethane	ND	0.99	1.00	
Dibromomethane	ND	0.99	1.00	
1,2-Dichlorobenzene	ND	0.99	1.00	
1,3-Dichlorobenzene	ND	0.99	1.00	
1,4-Dichlorobenzene	ND	0.99	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	0.99	1.00	
1,2-Dichloroethane	ND	0.99	1.00	
1,1-Dichloroethene	ND	0.99	1.00	
c-1,2-Dichloroethene	ND	0.99	1.00	
t-1,2-Dichloroethene	ND	0.99	1.00	
1,2-Dichloropropane	ND	0.99	1.00	
1,3-Dichloropropane	ND	0.99	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 56 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	0.99	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	0.99	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	0.99	1.00	
p-Isopropyltoluene	ND	0.99	1.00	
Methylene Chloride	ND	9.9	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	9.9	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	0.99	1.00	
1,1,1,2-Tetrachloroethane	ND	0.99	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	0.99	1.00	
Toluene	ND	0.99	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	0.99	1.00	
1,1,2-Trichloroethane	ND	0.99	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.9	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	9.9	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	9.9	1.00	
Vinyl Chloride	ND	0.99	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	0.99	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	111	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 57 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-2	**14-05-1745-31-C**	**05/22/14 08:25**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 17:19**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	51	1.00	
Benzene	7.6	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.1	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 58 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	1.1	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	7.1	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 59 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-5	**14-05-1745-32-C**	**05/22/14 08:29**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 17:46**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	38	1.00	
Benzene	ND	0.77	1.00	
Bromobenzene	ND	0.77	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.77	1.00	
Bromoform	ND	3.8	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.77	1.00	
sec-Butylbenzene	ND	0.77	1.00	
tert-Butylbenzene	ND	0.77	1.00	
Carbon Disulfide	ND	7.7	1.00	
Carbon Tetrachloride	ND	0.77	1.00	
Chlorobenzene	ND	0.77	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.77	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.77	1.00	
4-Chlorotoluene	ND	0.77	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.8	1.00	
1,2-Dibromoethane	ND	0.77	1.00	
Dibromomethane	ND	0.77	1.00	
1,2-Dichlorobenzene	ND	0.77	1.00	
1,3-Dichlorobenzene	ND	0.77	1.00	
1,4-Dichlorobenzene	ND	0.77	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.77	1.00	
1,2-Dichloroethane	ND	0.77	1.00	
1,1-Dichloroethene	ND	0.77	1.00	
c-1,2-Dichloroethene	ND	0.77	1.00	
t-1,2-Dichloroethene	ND	0.77	1.00	
1,2-Dichloropropane	ND	0.77	1.00	
1,3-Dichloropropane	ND	0.77	1.00	
2,2-Dichloropropane	ND	3.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 60 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.77	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.77	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.77	1.00	
p-Isopropyltoluene	ND	0.77	1.00	
Methylene Chloride	ND	7.7	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.7	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.77	1.00	
1,1,1,2-Tetrachloroethane	ND	0.77	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.77	1.00	
Toluene	ND	0.77	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.77	1.00	
1,1,2-Trichloroethane	ND	0.77	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.7	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.7	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.7	1.00	
Vinyl Chloride	ND	0.77	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.77	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 61 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-10	**14-05-1745-33-C**	**05/22/14 08:34**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 18:13**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	ND	0.75	1.00	
Bromobenzene	ND	0.75	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.75	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.75	1.00	
sec-Butylbenzene	ND	0.75	1.00	
tert-Butylbenzene	ND	0.75	1.00	
Carbon Disulfide	ND	7.5	1.00	
Carbon Tetrachloride	ND	0.75	1.00	
Chlorobenzene	ND	0.75	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.75	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.75	1.00	
4-Chlorotoluene	ND	0.75	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.75	1.00	
Dibromomethane	ND	0.75	1.00	
1,2-Dichlorobenzene	ND	0.75	1.00	
1,3-Dichlorobenzene	ND	0.75	1.00	
1,4-Dichlorobenzene	ND	0.75	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.75	1.00	
1,2-Dichloroethane	ND	0.75	1.00	
1,1-Dichloroethene	ND	0.75	1.00	
c-1,2-Dichloroethene	ND	0.75	1.00	
t-1,2-Dichloroethene	ND	0.75	1.00	
1,2-Dichloropropane	ND	0.75	1.00	
1,3-Dichloropropane	ND	0.75	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 62 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.75	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.75	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.75	1.00	
p-Isopropyltoluene	ND	0.75	1.00	
Methylene Chloride	ND	7.5	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.5	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.75	1.00	
1,1,1,2-Tetrachloroethane	ND	0.75	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.75	1.00	
Toluene	ND	0.75	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.75	1.00	
1,1,2-Trichloroethane	ND	0.75	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.5	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.5	1.00	
Vinyl Chloride	ND	0.75	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.75	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 63 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-2-15	**14-05-1745-34-C**	**05/22/14 08:41**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 18:40**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	42	1.00	
Benzene	ND	0.83	1.00	
Bromobenzene	ND	0.83	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.83	1.00	
Bromoform	ND	4.2	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.83	1.00	
sec-Butylbenzene	ND	0.83	1.00	
tert-Butylbenzene	ND	0.83	1.00	
Carbon Disulfide	ND	8.3	1.00	
Carbon Tetrachloride	ND	0.83	1.00	
Chlorobenzene	ND	0.83	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.83	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.83	1.00	
4-Chlorotoluene	ND	0.83	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.00	
1,2-Dibromoethane	ND	0.83	1.00	
Dibromomethane	ND	0.83	1.00	
1,2-Dichlorobenzene	ND	0.83	1.00	
1,3-Dichlorobenzene	ND	0.83	1.00	
1,4-Dichlorobenzene	ND	0.83	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.83	1.00	
1,2-Dichloroethane	ND	0.83	1.00	
1,1-Dichloroethene	ND	0.83	1.00	
c-1,2-Dichloroethene	ND	0.83	1.00	
t-1,2-Dichloroethene	ND	0.83	1.00	
1,2-Dichloropropane	ND	0.83	1.00	
1,3-Dichloropropane	ND	0.83	1.00	
2,2-Dichloropropane	ND	4.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 64 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.83	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.83	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.83	1.00	
p-Isopropyltoluene	ND	0.83	1.00	
Methylene Chloride	ND	8.3	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.3	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.83	1.00	
1,1,1,2-Tetrachloroethane	ND	0.83	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.83	1.00	
Toluene	ND	0.83	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloroethane	ND	0.83	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.3	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.3	1.00	
Vinyl Chloride	ND	0.83	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.83	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 65 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-2	**14-05-1745-35-C**	**05/22/14 08:56**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 19:07**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	47	41	1.00	
Benzene	14	0.81	1.00	
Bromobenzene	ND	0.81	1.00	
Bromochloromethane	ND	1.6	1.00	
Bromodichloromethane	ND	0.81	1.00	
Bromoform	ND	4.1	1.00	
Bromomethane	ND	16	1.00	
2-Butanone	ND	16	1.00	
n-Butylbenzene	ND	0.81	1.00	
sec-Butylbenzene	ND	0.81	1.00	
tert-Butylbenzene	ND	0.81	1.00	
Carbon Disulfide	ND	8.1	1.00	
Carbon Tetrachloride	ND	0.81	1.00	
Chlorobenzene	ND	0.81	1.00	
Chloroethane	ND	1.6	1.00	
Chloroform	ND	0.81	1.00	
Chloromethane	ND	16	1.00	
2-Chlorotoluene	ND	0.81	1.00	
4-Chlorotoluene	ND	0.81	1.00	
Dibromochloromethane	ND	1.6	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.00	
1,2-Dibromoethane	ND	0.81	1.00	
Dibromomethane	ND	0.81	1.00	
1,2-Dichlorobenzene	ND	0.81	1.00	
1,3-Dichlorobenzene	ND	0.81	1.00	
1,4-Dichlorobenzene	ND	0.81	1.00	
Dichlorodifluoromethane	ND	1.6	1.00	
1,1-Dichloroethane	ND	0.81	1.00	
1,2-Dichloroethane	ND	0.81	1.00	
1,1-Dichloroethene	ND	0.81	1.00	
c-1,2-Dichloroethene	ND	0.81	1.00	
t-1,2-Dichloroethene	ND	0.81	1.00	
1,2-Dichloropropane	ND	0.81	1.00	
1,3-Dichloropropane	ND	0.81	1.00	
2,2-Dichloropropane	ND	4.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 66 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.6	1.00	
c-1,3-Dichloropropene	ND	0.81	1.00	
t-1,3-Dichloropropene	ND	1.6	1.00	
Ethylbenzene	3.4	0.81	1.00	
2-Hexanone	ND	16	1.00	
Isopropylbenzene	ND	0.81	1.00	
p-Isopropyltoluene	ND	0.81	1.00	
Methylene Chloride	ND	8.1	1.00	
4-Methyl-2-Pentanone	ND	16	1.00	
Naphthalene	ND	8.1	1.00	
n-Propylbenzene	ND	1.6	1.00	
Styrene	ND	0.81	1.00	
1,1,1,2-Tetrachloroethane	ND	0.81	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	1.00	
Tetrachloroethene	ND	0.81	1.00	
Toluene	16	0.81	1.00	
1,2,3-Trichlorobenzene	ND	1.6	1.00	
1,2,4-Trichlorobenzene	ND	1.6	1.00	
1,1,1-Trichloroethane	ND	0.81	1.00	
1,1,2-Trichloroethane	ND	0.81	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	1.00	
Trichloroethene	ND	1.6	1.00	
Trichlorofluoromethane	ND	8.1	1.00	
1,2,3-Trichloropropane	ND	1.6	1.00	
1,2,4-Trimethylbenzene	ND	1.6	1.00	
1,3,5-Trimethylbenzene	ND	1.6	1.00	
Vinyl Acetate	ND	8.1	1.00	
Vinyl Chloride	ND	0.81	1.00	
p/m-Xylene	6.5	1.6	1.00	
o-Xylene	2.2	0.81	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 67 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-5	**14-05-1745-36-C**	**05/22/14 09:01**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 19:34**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	33	1.00	
Benzene	ND	0.67	1.00	
Bromobenzene	ND	0.67	1.00	
Bromochloromethane	ND	1.3	1.00	
Bromodichloromethane	ND	0.67	1.00	
Bromoform	ND	3.3	1.00	
Bromomethane	ND	13	1.00	
2-Butanone	ND	13	1.00	
n-Butylbenzene	ND	0.67	1.00	
sec-Butylbenzene	ND	0.67	1.00	
tert-Butylbenzene	ND	0.67	1.00	
Carbon Disulfide	ND	6.7	1.00	
Carbon Tetrachloride	ND	0.67	1.00	
Chlorobenzene	ND	0.67	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	0.67	1.00	
Chloromethane	ND	13	1.00	
2-Chlorotoluene	ND	0.67	1.00	
4-Chlorotoluene	ND	0.67	1.00	
Dibromochloromethane	ND	1.3	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.3	1.00	
1,2-Dibromoethane	ND	0.67	1.00	
Dibromomethane	ND	0.67	1.00	
1,2-Dichlorobenzene	ND	0.67	1.00	
1,3-Dichlorobenzene	ND	0.67	1.00	
1,4-Dichlorobenzene	ND	0.67	1.00	
Dichlorodifluoromethane	ND	1.3	1.00	
1,1-Dichloroethane	ND	0.67	1.00	
1,2-Dichloroethane	ND	0.67	1.00	
1,1-Dichloroethene	ND	0.67	1.00	
c-1,2-Dichloroethene	ND	0.67	1.00	
t-1,2-Dichloroethene	ND	0.67	1.00	
1,2-Dichloropropane	ND	0.67	1.00	
1,3-Dichloropropane	ND	0.67	1.00	
2,2-Dichloropropane	ND	3.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 68 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.3	1.00	
c-1,3-Dichloropropene	ND	0.67	1.00	
t-1,3-Dichloropropene	ND	1.3	1.00	
Ethylbenzene	1.5	0.67	1.00	
2-Hexanone	ND	13	1.00	
Isopropylbenzene	ND	0.67	1.00	
p-Isopropyltoluene	ND	0.67	1.00	
Methylene Chloride	ND	6.7	1.00	
4-Methyl-2-Pentanone	ND	13	1.00	
Naphthalene	ND	6.7	1.00	
n-Propylbenzene	ND	1.3	1.00	
Styrene	ND	0.67	1.00	
1,1,1,2-Tetrachloroethane	ND	0.67	1.00	
1,1,2,2-Tetrachloroethane	ND	1.3	1.00	
Tetrachloroethene	ND	0.67	1.00	
Toluene	ND	0.67	1.00	
1,2,3-Trichlorobenzene	ND	1.3	1.00	
1,2,4-Trichlorobenzene	ND	1.3	1.00	
1,1,1-Trichloroethane	ND	0.67	1.00	
1,1,2-Trichloroethane	ND	0.67	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	6.7	1.00	
Trichloroethene	ND	1.3	1.00	
Trichlorofluoromethane	ND	6.7	1.00	
1,2,3-Trichloropropane	ND	1.3	1.00	
1,2,4-Trimethylbenzene	ND	1.3	1.00	
1,3,5-Trimethylbenzene	ND	1.3	1.00	
Vinyl Acetate	ND	6.7	1.00	
Vinyl Chloride	ND	0.67	1.00	
p/m-Xylene	7.5	1.3	1.00	
o-Xylene	2.7	0.67	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.3	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 69 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-10	**14-05-1745-37-C**	**05/22/14 09:08**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 20:00**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	58	37	1.00	
Benzene	0.88	0.73	1.00	
Bromobenzene	ND	0.73	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.73	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.73	1.00	
sec-Butylbenzene	ND	0.73	1.00	
tert-Butylbenzene	ND	0.73	1.00	
Carbon Disulfide	ND	7.3	1.00	
Carbon Tetrachloride	ND	0.73	1.00	
Chlorobenzene	ND	0.73	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.73	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.73	1.00	
4-Chlorotoluene	ND	0.73	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.73	1.00	
Dibromomethane	ND	0.73	1.00	
1,2-Dichlorobenzene	ND	0.73	1.00	
1,3-Dichlorobenzene	ND	0.73	1.00	
1,4-Dichlorobenzene	ND	0.73	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.73	1.00	
1,2-Dichloroethane	ND	0.73	1.00	
1,1-Dichloroethene	ND	0.73	1.00	
c-1,2-Dichloroethene	ND	0.73	1.00	
t-1,2-Dichloroethene	ND	0.73	1.00	
1,2-Dichloropropane	ND	0.73	1.00	
1,3-Dichloropropane	ND	0.73	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002		Page 70 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.73	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	1.1	0.73	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.73	1.00	
p-Isopropyltoluene	ND	0.73	1.00	
Methylene Chloride	ND	7.3	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.3	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.73	1.00	
1,1,1,2-Tetrachloroethane	ND	0.73	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.73	1.00	
Toluene	ND	0.73	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.73	1.00	
1,1,2-Trichloroethane	ND	0.73	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.3	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.3	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.3	1.00	
Vinyl Chloride	ND	0.73	1.00	
p/m-Xylene	5.2	1.5	1.00	
o-Xylene	2.3	0.73	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 71 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SV-3-15	**14-05-1745-38-C**	**05/22/14 09:17**	**Solid**	**GC/MS BB**	**05/22/14**	**05/24/14 20:27**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	36	1.00	
Benzene	ND	0.72	1.00	
Bromobenzene	ND	0.72	1.00	
Bromochloromethane	ND	1.4	1.00	
Bromodichloromethane	ND	0.72	1.00	
Bromoform	ND	3.6	1.00	
Bromomethane	ND	14	1.00	
2-Butanone	ND	14	1.00	
n-Butylbenzene	ND	0.72	1.00	
sec-Butylbenzene	ND	0.72	1.00	
tert-Butylbenzene	ND	0.72	1.00	
Carbon Disulfide	ND	7.2	1.00	
Carbon Tetrachloride	ND	0.72	1.00	
Chlorobenzene	ND	0.72	1.00	
Chloroethane	ND	1.4	1.00	
Chloroform	ND	0.72	1.00	
Chloromethane	ND	14	1.00	
2-Chlorotoluene	ND	0.72	1.00	
4-Chlorotoluene	ND	0.72	1.00	
Dibromochloromethane	ND	1.4	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.6	1.00	
1,2-Dibromoethane	ND	0.72	1.00	
Dibromomethane	ND	0.72	1.00	
1,2-Dichlorobenzene	ND	0.72	1.00	
1,3-Dichlorobenzene	ND	0.72	1.00	
1,4-Dichlorobenzene	ND	0.72	1.00	
Dichlorodifluoromethane	ND	1.4	1.00	
1,1-Dichloroethane	ND	0.72	1.00	
1,2-Dichloroethane	ND	0.72	1.00	
1,1-Dichloroethene	ND	0.72	1.00	
c-1,2-Dichloroethene	ND	0.72	1.00	
t-1,2-Dichloroethene	ND	0.72	1.00	
1,2-Dichloropropane	ND	0.72	1.00	
1,3-Dichloropropane	ND	0.72	1.00	
2,2-Dichloropropane	ND	3.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 72 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.4	1.00	
c-1,3-Dichloropropene	ND	0.72	1.00	
t-1,3-Dichloropropene	ND	1.4	1.00	
Ethylbenzene	ND	0.72	1.00	
2-Hexanone	ND	14	1.00	
Isopropylbenzene	ND	0.72	1.00	
p-Isopropyltoluene	ND	0.72	1.00	
Methylene Chloride	ND	7.2	1.00	
4-Methyl-2-Pentanone	ND	14	1.00	
Naphthalene	ND	7.2	1.00	
n-Propylbenzene	ND	1.4	1.00	
Styrene	ND	0.72	1.00	
1,1,1,2-Tetrachloroethane	ND	0.72	1.00	
1,1,2,2-Tetrachloroethane	ND	1.4	1.00	
Tetrachloroethene	ND	0.72	1.00	
Toluene	ND	0.72	1.00	
1,2,3-Trichlorobenzene	ND	1.4	1.00	
1,2,4-Trichlorobenzene	ND	1.4	1.00	
1,1,1-Trichloroethane	ND	0.72	1.00	
1,1,2-Trichloroethane	ND	0.72	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.2	1.00	
Trichloroethene	ND	1.4	1.00	
Trichlorofluoromethane	ND	7.2	1.00	
1,2,3-Trichloropropane	ND	1.4	1.00	
1,2,4-Trimethylbenzene	ND	1.4	1.00	
1,3,5-Trimethylbenzene	ND	1.4	1.00	
Vinyl Acetate	ND	7.2	1.00	
Vinyl Chloride	ND	0.72	1.00	
p/m-Xylene	ND	1.4	1.00	
o-Xylene	ND	0.72	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 73 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-25203**	**N/A**	**Solid**	**GC/MS BB**	**05/23/14**	**05/23/14 15:51**	**140523L038**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 74 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	94	79-133	
1,2-Dichloroethane-d4	96	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 75 of 76

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-25204**	**N/A**	**Solid**	**GC/MS BB**	**05/24/14**	**05/24/14 11:27**	**140524L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Former CA ARNG Armory / 1348.002			Page 76 of 76

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	100	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 1 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-1-2	**Sample**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:35**	**140523S08**
SB-1-2	**Matrix Spike**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 17:07**	**140523S08**
SB-1-2	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 17:24**	**140523S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	ND	400.0	315.5	79	310.2	78	64-130	2	0-15	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 2 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SV-1-10	**Sample**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 05:18**	**140523S10**
SV-1-10	**Matrix Spike**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 02:10**	**140523S10**
SV-1-10	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 02:27**	**140523S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	ND	400.0	398.5	100	407.1	102	64-130	2	0-15	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: Former CA ARNG Armory / 1348.002			Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-1-2	**Sample**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:35**	**140523S09**
SB-1-2	**Matrix Spike**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:00**	**140523S09**
SB-1-2	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 18:18**	**140523S09**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	ND	400.0	311.6	78	376.8	94	64-130	19	0-15	4

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: Former CA ARNG Armory / 1348.002			Page 4 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SV-1-10	**Sample**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 05:18**	**140523S11**
SV-1-10	**Matrix Spike**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 03:01**	**140523S11**
SV-1-10	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 03:18**	**140523S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	ND	400.0	405.1	101	411.8	103	64-130	2	0-15	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: Former CA ARNG Armory / 1348.002			Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-4-5	**Sample**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:51**	**140528S03**
SB-4-5	**Matrix Spike**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:45**	**140528S03**
SB-4-5	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 20:46**	**140528S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.947	20	4.387	18	50-115	12	0-20	3
Arsenic	2.194	25.00	28.62	106	28.18	104	75-125	2	0-20	
Barium	135.7	25.00	185.0	4X	157.8	4X	75-125	4X	0-20	Q
Beryllium	0.3459	25.00	26.92	106	26.81	106	75-125	0	0-20	
Cadmium	ND	25.00	25.72	103	25.78	103	75-125	0	0-20	
Chromium	13.39	25.00	38.17	99	37.82	98	75-125	1	0-20	
Cobalt	8.343	25.00	34.91	106	34.17	103	75-125	2	0-20	
Copper	14.60	25.00	43.24	115	41.76	109	75-125	3	0-20	
Lead	5.524	25.00	30.98	102	31.96	106	75-125	3	0-20	
Molybdenum	0.7937	25.00	25.60	99	25.11	97	75-125	2	0-20	
Nickel	10.26	25.00	36.21	104	34.96	99	75-125	4	0-20	
Selenium	ND	25.00	22.06	88	22.16	89	75-125	0	0-20	
Silver	ND	12.50	13.01	104	13.01	104	75-125	0	0-20	
Thallium	ND	25.00	21.78	87	21.89	88	75-125	0	0-20	
Vanadium	33.71	25.00	56.67	92	54.25	82	75-125	4	0-20	
Zinc	44.62	25.00	71.28	107	71.15	106	75-125	0	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Former CA ARNG Armory / 1348.002			Page 6 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-4-5	**Sample**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:29**	**140528S06**
SB-4-5	**Matrix Spike**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:31**	**140528S06**
SB-4-5	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:33**	**140528S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	1.021	122	1.041	125	71-137	2	0-14	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: Former CA ARNG Armory / 1348.002			Page 7 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-05-1783-1	**Sample**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 12:03**	**140529S10**
14-05-1783-1	**Matrix Spike**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 13:42**	**140529S10**
14-05-1783-1	**Matrix Spike Duplicate**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 13:56**	**140529S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	21.52	86	17.35	69	50-135	21	0-25	
Alpha-BHC	ND	25.00	21.14	85	16.65	67	50-135	24	0-25	
Beta-BHC	ND	25.00	16.25	65	17.44	70	50-135	7	0-25	
4,4'-DDD	ND	25.00	651.2	2605	108.5	434	50-135	143	0-25	3,4
4,4'-DDE	ND	25.00	24.31	97	19.03	76	50-135	24	0-25	
4,4'-DDT	ND	25.00	18.20	73	15.96	64	50-135	13	0-25	
Delta-BHC	ND	25.00	17.65	71	15.58	62	50-135	13	0-25	
Dieldrin	ND	25.00	21.31	85	15.81	63	50-135	30	0-25	4
Endosulfan I	ND	25.00	24.42	98	17.71	71	50-135	32	0-25	4
Endosulfan II	ND	25.00	25.85	103	19.07	76	50-135	30	0-25	4
Endosulfan Sulfate	ND	25.00	121.8	487	43.45	174	50-135	95	0-25	3,4
Endrin	ND	25.00	15.26	61	16.83	67	50-135	10	0-25	
Endrin Aldehyde	ND	25.00	29.07	116	17.23	69	50-135	51	0-25	4
Gamma-BHC	ND	25.00	20.00	80	17.43	70	50-135	14	0-25	
Heptachlor	ND	25.00	22.61	90	17.83	71	50-135	24	0-25	
Heptachlor Epoxide	ND	25.00	24.89	100	17.42	70	50-135	35	0-25	4
Methoxychlor	ND	25.00	27.78	111	28.68	115	50-135	3	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8082
Project: Former CA ARNG Armory / 1348.002			Page 8 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-05-1785-10	**Sample**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 22:50**	**140529S11**
14-05-1785-10	**Matrix Spike**	**Solid**	**GC 58**	**05/29/14**	**05/31/14 10:33**	**140529S11**
14-05-1785-10	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**05/29/14**	**05/31/14 00:20**	**140529S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	64.00	64	62.32	62	50-135	3	0-20	
Aroclor-1260	ND	100.0	120.7	121	120.8	121	50-135	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
Project: Former CA ARNG Armory / 1348.002			Page 9 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-2-15	**Sample**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 11:49**	**140530S02**
SB-2-15	**Matrix Spike**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 14:19**	**140530S02**
SB-2-15	**Matrix Spike Duplicate**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 15:52**	**140530S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	7.480	75	5.463	55	34-148	31	0-20	4
Acenaphthylene	ND	10.00	7.546	75	5.429	54	53-120	33	0-20	4
Butyl Benzyl Phthalate	ND	10.00	8.852	89	7.028	70	15-189	23	0-20	4
4-Chloro-3-Methylphenol	ND	10.00	8.061	81	5.897	59	32-120	31	0-20	4
2-Chlorophenol	ND	10.00	7.442	74	5.321	53	53-120	33	0-20	4
1,4-Dichlorobenzene	ND	10.00	5.535	55	4.063	41	43-120	31	0-26	3,4
Dimethyl Phthalate	ND	10.00	7.252	73	5.519	55	44-122	27	0-20	4
2,4-Dinitrotoluene	ND	10.00	9.450	94	6.909	69	28-120	31	0-20	4
Fluorene	ND	10.00	8.240	82	5.993	60	12-186	32	0-20	4
N-Nitroso-di-n-propylamine	ND	10.00	7.616	76	5.530	55	38-140	32	0-20	4
Naphthalene	ND	10.00	7.416	74	5.234	52	20-140	35	0-20	4
4-Nitrophenol	ND	10.00	8.729	87	6.529	65	14-128	29	0-59	
Pentachlorophenol	ND	10.00	6.098	61	5.476	55	10-124	11	0-20	
Phenol	ND	10.00	7.273	73	5.350	53	22-124	30	0-20	4
Pyrene	ND	10.00	8.415	84	6.604	66	31-169	24	0-20	4
1,2,4-Trichlorobenzene	ND	10.00	7.162	72	5.070	51	56-120	34	0-20	3,4

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-414-381	**LCS**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 16:50**	**140523B08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Diesel Range Organics	400.0	367.3	92	75-123	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-414-382	**LCS**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 01:52**	**140523B10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Diesel Range Organics	400.0	405.0	101	75-123	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: Former CA ARNG Armory / 1348.002			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-420-929	**LCS**	**Solid**	**GC 46**	**05/23/14**	**05/23/14 17:42**	**140523B09**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Motor Oil	400.0	356.5	89	75-123	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: Former CA ARNG Armory / 1348.002			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-420-930	**LCS**	**Solid**	**GC 46**	**05/23/14**	**05/24/14 02:44**	**140523B11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Motor Oil	400.0	401.2	100	75-123	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-425-309	**LCS**	**Solid**	**GC 4**	**05/24/14**	**05/24/14 11:53**	**140524L015**
099-12-425-309	**LCSD**	**Solid**	**GC 4**	**05/24/14**	**05/24/14 12:26**	**140524L015**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	2.000	1.996	100	2.003	100	60-126	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-425-310	**LCS**	**Solid**	**GC 4**	**05/27/14**	**05/27/14 17:43**	**140527L032**
099-12-425-310	**LCSD**	**Solid**	**GC 4**	**05/27/14**	**05/27/14 18:16**	**140527L032**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	2.000	1.773	89	1.729	86	60-126	3	0-25	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8015B
Project: Former CA ARNG Armory / 1348.002			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-425-311	**LCS**	**Solid**	**GC 4**	**05/28/14**	**05/28/14 15:23**	**140528L050**
099-12-425-311	**LCSD**	**Solid**	**GC 4**	**05/28/14**	**05/28/14 15:56**	**140528L050**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	2.000	1.744	87	1.752	88	60-126	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: Former CA ARNG Armory / 1348.002			Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-18414	**LCS**	**Solid**	**ICP 7300**	**05/28/14**	**05/28/14 18:21**	**140528L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.34	105	80-120	73-127	
Arsenic	25.00	24.58	98	80-120	73-127	
Barium	25.00	26.64	107	80-120	73-127	
Beryllium	25.00	25.26	101	80-120	73-127	
Cadmium	25.00	26.30	105	80-120	73-127	
Chromium	25.00	26.38	106	80-120	73-127	
Cobalt	25.00	28.51	114	80-120	73-127	
Copper	25.00	26.15	105	80-120	73-127	
Lead	25.00	26.01	104	80-120	73-127	
Molybdenum	25.00	25.88	104	80-120	73-127	
Nickel	25.00	26.96	108	80-120	73-127	
Selenium	25.00	22.81	91	80-120	73-127	
Silver	12.50	13.09	105	80-120	73-127	
Thallium	25.00	26.97	108	80-120	73-127	
Vanadium	25.00	25.48	102	80-120	73-127	
Zinc	25.00	26.31	105	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Former CA ARNG Armory / 1348.002			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-266	**LCS**	**Solid**	**Mercury 05**	**05/28/14**	**05/29/14 16:26**	**140528L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	1.010	121	85-121	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: Former CA ARNG Armory / 1348.002			Page 10 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1707	**LCS**	**Solid**	**GC 66**	**05/29/14**	**05/31/14 14:38**	**140529L10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	24.70	99	50-135	36-149	
Alpha-BHC	25.00	23.74	95	50-135	36-149	
Beta-BHC	25.00	22.75	91	50-135	36-149	
4,4'-DDD	25.00	26.13	105	50-135	36-149	
4,4'-DDE	25.00	26.04	104	50-135	36-149	
4,4'-DDT	25.00	23.66	95	50-135	36-149	
Delta-BHC	25.00	22.56	90	50-135	36-149	
Dieldrin	25.00	25.45	102	50-135	36-149	
Endosulfan I	25.00	26.49	106	50-135	36-149	
Endosulfan II	25.00	26.67	107	50-135	36-149	
Endosulfan Sulfate	25.00	23.14	93	50-135	36-149	
Endrin	25.00	22.25	89	50-135	36-149	
Endrin Aldehyde	25.00	25.40	102	50-135	36-149	
Gamma-BHC	25.00	23.89	96	50-135	36-149	
Heptachlor	25.00	24.73	99	50-135	36-149	
Heptachlor Epoxide	25.00	24.28	97	50-135	36-149	
Methoxychlor	25.00	23.83	95	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8082
Project: Former CA ARNG Armory / 1348.002			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-2648	**LCS**	**Solid**	**GC 58**	**05/29/14**	**05/30/14 17:08**	**140529L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	77.68	78	50-135	
Aroclor-1260	100.0	90.52	91	50-135	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 3545
		Method:	EPA 8270C
Project: Former CA ARNG Armory / 1348.002			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-549-2942	**LCS**	**Solid**	**GC/MS TT**	**05/30/14**	**06/02/14 11:30**	**140530L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	8.982	90	51-123	39-135	
Acenaphthylene	10.00	8.877	89	52-120	41-131	
Butyl Benzyl Phthalate	10.00	10.39	104	43-139	27-155	
4-Chloro-3-Methylphenol	10.00	10.63	106	55-121	44-132	
2-Chlorophenol	10.00	9.692	97	58-124	47-135	
1,4-Dichlorobenzene	10.00	9.510	95	42-132	27-147	
Dimethyl Phthalate	10.00	8.964	90	51-123	39-135	
2,4-Dinitrotoluene	10.00	11.45	115	51-129	38-142	
Fluorene	10.00	9.635	96	54-126	42-138	
N-Nitroso-di-n-propylamine	10.00	9.339	93	40-136	24-152	
Naphthalene	10.00	9.680	97	32-146	13-165	
4-Nitrophenol	10.00	10.92	109	24-126	7-143	
Pentachlorophenol	10.00	7.484	75	23-131	5-149	
Phenol	10.00	9.517	95	40-130	25-145	
Pyrene	10.00	9.593	96	47-143	31-159	
1,2,4-Trichlorobenzene	10.00	9.884	99	45-129	31-143	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Avocet Environmental, Inc.		Date Received:	05/22/14
1 Technology Drive, Suite C515		Work Order:	14-05-1745
Irvine, CA 92618-5302		Preparation:	EPA 5035
		Method:	EPA 8260B
Project: Former CA ARNG Armory / 1348.002			Page 13 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-25203	**LCS**	**Solid**	**GC/MS BB**	**05/23/14**	**05/23/14 14:27**	**140523L038**
095-01-025-25203	**LCSD**	**Solid**	**GC/MS BB**	**05/23/14**	**05/23/14 14:54**	**140523L038**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	46.51	93	46.82	94	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	42.09	84	42.62	85	65-137	53-149	1	0-20	
Chlorobenzene	50.00	48.54	97	49.37	99	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	48.80	98	49.53	99	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	51.85	104	52.30	105	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	44.47	89	44.81	90	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	48.77	98	48.81	98	68-128	58-138	0	0-20	
Ethylbenzene	50.00	52.31	105	52.98	106	80-120	73-127	1	0-20	
Toluene	50.00	47.91	96	48.48	97	80-120	73-127	1	0-20	
Trichloroethene	50.00	46.27	93	45.69	91	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	46.12	92	46.21	92	67-127	57-137	0	0-20	
p/m-Xylene	100.0	109.1	109	110.4	110	75-125	67-133	1	0-25	
o-Xylene	50.00	58.18	116	58.33	117	75-125	67-133	0	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	52.22	104	54.25	108	70-124	61-133	4	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Avocet Environmental, Inc.	Date Received:	05/22/14
1 Technology Drive, Suite C515	Work Order:	14-05-1745
Irvine, CA 92618-5302	Preparation:	EPA 5035
	Method:	EPA 8260B
Project: Former CA ARNG Armory / 1348.002		Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-25204	**LCS**	**Solid**	**GC/MS BB**	**05/24/14**	**05/24/14 09:58**	**140524L001**
095-01-025-25204	**LCSD**	**Solid**	**GC/MS BB**	**05/24/14**	**05/24/14 10:25**	**140524L001**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	47.60	95	47.23	94	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	43.27	87	43.04	86	65-137	53-149	1	0-20	
Chlorobenzene	50.00	49.28	99	49.28	99	80-120	73-127	0	0-20	
1,2-Dibromoethane	50.00	48.99	98	49.04	98	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	52.11	104	51.80	104	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	44.61	89	44.37	89	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	47.81	96	47.39	95	68-128	58-138	1	0-20	
Ethylbenzene	50.00	52.87	106	52.84	106	80-120	73-127	0	0-20	
Toluene	50.00	48.70	97	48.50	97	80-120	73-127	0	0-20	
Trichloroethene	50.00	48.59	97	47.65	95	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	47.96	96	46.69	93	67-127	57-137	3	0-20	
p/m-Xylene	100.0	110.5	111	110.7	111	75-125	67-133	0	0-25	
o-Xylene	50.00	58.07	116	58.24	116	75-125	67-133	0	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	49.57	99	50.26	101	70-124	61-133	1	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-05-1745

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B	EPA 5035	797	GC 4	2
EPA 8015B	EPA 3550B	847	GC 46	1
EPA 8015B (M)	EPA 3550B	847	GC 46	1
EPA 8081A	EPA 3545	500	GC 66	1
EPA 8082	EPA 3545	421	GC 58	1
EPA 8260B	EPA 5035	626	GC/MS BB	2
EPA 8260B	EPA 5035	823	GC/MS BB	2
EPA 8270C	EPA 3545	513	GC/MS TT	1

Return to Contents

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-05-1745

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Return to Contents

Revised COC received from Dan Gifford (Avocet)on 05/23/2014 at 14:48 - Virendra (CEL)

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

CHAIN OF CUSTODY RECORD

Project Information:	Phase II ENVIRONMENTAL ASSESSMENT
Site Name	Former CA ARNG Armory
Site Address	2320 North Parmelee Avenue, Compton, California
Project No	1348.002
Project Manager	Deke Siren
Sampled By	Daniel Gifford
Turn-Around-Time	Standard

Analyses

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Total petroleum hydrocarbons (GRO, DRO, ORO)	Volatile organic compounds (8260B)	Semivolatile organic compounds (8270C)	Polychlorinated biphenyls (8082)	Title 22 metals (6010B/7471A)	Organochlorine pesticides (8081A)	Halo
SB-1-2	5/22/14	0938	soil	6		X	X					
SB-1-5	5/22/14	0943	soil	6		X	X					
SB-1-10	5/22/14	0949	soil	6		X	X	X	X			
SB-1-15	5/22/14	0957	soil	6		X	X	X	X			
SB-2-2	5/22/14	1440	soil	6		X	X					
SB-2-5	5/22/14	1443	soil	6		X	X					
SB-2-10	5/22/14	1448	soil	6		X	X	X	X			
SB-2-15	5/22/14	1454	soil	6		X	X	X	X			
SB-3-2	5/22/14	1103	soil	6		X	X			X	X	
SB-3-5	5/22/14	1109	soil	6		X	X			X		
SB-3-10	5/22/14	1114	soil	6		X	X					
SB-3-15	5/22/14	~~1126~~ 1121	soil	6		X	X					
SB7-2	5/22/14	1402	Soil	1					X			X
SB7-5	5/22/14	1406	Soil	1								

Relinquished by		Company	Received by	
Printed Name: Daniel Gifford	Date: 5/22/14	Avocet Environmental, Inc.	Printed Name: DANNY, LE	Date: 5/22/14
Signature:	Time: 1645		Signature: Dannyle Le	Time: 16:45
Printed Name:	Date:		Printed Name:	Date:
Signature	Time:		Signature:	Time:
Printed Name:	Date:		Printed Name:	Date:
Signature	Time:		Signature:	Time:

Sample Receipt	Billing Information	Special Instructions
Total Containers	Bill To: Deke Siren, AVOCET ENVIRONMENTAL, INC., 1 Technology Dive, Suite C515, Irvine, CA 92618-5302	Please bill to Avocet. For questions, please call Deke Siren at (714) 742-3355.
Temperature °C / °F Lab N		
COC Seal (Y/N/NA) Intact (Y/N)		

14-05-1745

Return to Contents

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

CHAIN OF CUSTODY RECORD

Project Information:	**Phase II ENVIRONMENTAL ASSESSMENT**
Site Name	**Former CA ARNG Armory**
Site Address	**2320 North Parmelee Avenue, Compton, California**
Project No.	**1348.002**
Project Manager	**Deke Siren**
Sampled By	**Daniel Gifford**
Turn-Around-Time	**Standard**

Analyses: **14-05-1745**

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Total petroleum hydrocarbons (GRO, DRO, ORO)	Volatile organic compounds (8260B)	Semivolatile organic compounds (8270C)	Polychlorinated biphenyls (8082)	Title 22 metals (6010B/7471A)	Organochlorine pesticides (8081A)	Hold
SB-1-2	5/22/14	0938	soil	6	1	X	X					
SB-1-5	5/22/14	0943	soil	6	2	X	X					
SB-1-10	5/22/14	0949	soil	6	3	X	X	X	X			
SB-1-15	5/22/14	0957	soil	6	4	X	X	X	X			
SB-2-2	5/22/14	1440	soil	6	5	X	X					
SB-2-5	5/22/14	1443	soil	6	6	X	X					
SB-2-10	5/ /14	1448	soil	6	7	X	X	X	X			
SB-2-15	5/ /14	1454	soil	6	8	X	X	X	X			
SB-3-2	5/ /14	1103	soil	6	9	X	X			X	X	
SB-3-5	5/ /14	1105	soil	6	10	X	X			X		
SB-3-10	5/ /14	1114	soil	6	11	X	X					
SB-3-15	5/ /14	~~1126~~ 1121 DA 5/22/14	soil	6	12	X	X					
SB7-2	5/22/14	1402	soil	1	13				X			
SB7-5	5/22/14	1406	soil	1	14							X

Relinquished by		Company	Received by	
Printed Name: Daniel Gifford	Date: 5/22/14	Avocet Environmental, Inc.	Printed Name: DANNY LE	Date: 5/22/14
Signature: DGif	Time: 1645		Signature: Dannyle CR	Time: 16:45
Printed Name:	Date:		Printed Name:	Date:
Signature:	Time:		Signature:	Time:
Printed Name:	Date:		Printed Name:	Date:
Signature:	Time:		Signature:	Time:

Sample Receipt	Billing Information	Special Instructions
Total Containers	Bill To: Deke Siren, AVOCET ENVIRONMENTAL, INC., 1 Technology Dive, Suite C515, Irvine, CA 92618-5302	Please bill to Avocet. For questions, please call Deke Siren at (714) 742-3355.
Temperature °C / °F — Lab N		
COC Seal (Y/N/NA) — Intact (Y/N)		

P:\1348 Compton-Parmelee Armory\Phll ESA\field forms\Chain of Custody.xls

Return to Contents

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

1745

CHAIN OF CUSTODY RECORD

Project Information:	**Phase II ENVIRONMENTAL ASSESSMENT**
Site Name	**Former CA ARNG Armory**
Site Address	**2320 North Parmelee Avenue, Compton, California**
Project No.	**1348.002**
Project Manager	**Deke Siren**
Sampled By	**Daniel Gifford**
Turn-Around-Time	**Standard**

Analyses

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Total petroleum hydrocarbons (GRO, DRO, ORO)	Volatile organic compounds (8260B)	Semivolatile organic compounds (8270C)	Polychlorinated biphenyls (8082)	Title 22 metals (6010B/7471A)	Organochlorine pesticides (8081A)
SB-4-2	5/22/14	1333	soil	6	15	X	X	X		X	X
SB-4-5	5/22/14	1350	soil	6	16	X	X	X		X	
~~SB-4-10~~ SB-4B-10	5/22/14	1422	soil	6	17	X	X				
~~SB-4-15~~ SB-4B-15	5/22/14	1429	soil	6	18	X	X				
SB-5-2	5/22/14	1135	soil	6	19	X	X				X
SB-5-5	5/22/14	1140	soil	6	20	X	X				
SB-5-10	5/22/14	1147	soil	6	21	X	X				
SB-5-15	5/22/14	1153	soil	6	22	X	X				
SB-6-2	5/22/14	1210	soil	6	23	X	X				
SB-6-5	5/22/14	1215	soil	6	24	X	X				
SB-6-10	5/22/14	1220	soil	6	25	X	X				
SB-6-15	5/22/14	1225	soil	6	26	X	X				

Relinquished by		Company	Received by	
Printed Name: Daniel Gifford	Date: 5/22/14	Avocet Environmental, Inc.	Printed Name: DANNY LE	Date: 5/22/14
Signature:	Time: 1645		Signature: DANNY LE	Time: 16:45
Printed Name:	Date:		Printed Name:	Date:
Signature:	Time:		Signature:	Time:
Printed Name:	Date:		Printed Name:	Date:
Signature:	Time:		Signature:	Time:

Sample Receipt	Billing Information	Special Instructions
Total Containers	Bill To: Deke Siren, AVOCET ENVIRONMENTAL, INC., 1 Technology Dive, Suite C515, Irvine, CA 92618-5302	*Please bill to Avocet.* *For questions, please call Deke Siren at (714) 742-3355.*
Temperature °C / °F — Lab N		
COC Seal (Y/N/NA) Intact (Y/N)		

P:\1348 Compton-Parmelee Armory\Phil ESA\field forms\Chain of Custody.xls

Return to Contents

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

1745

CHAIN OF CUSTODY RECORD

Project Information:	Phase II ENVIRONMENTAL ASSESSMENT
Site Name	Former CA ARNG Armory
Site Address	2320 North Parmelee Avenue, Compton, California
Project No.	1348.002
Project Manager	Deke Siren
Sampled By	Daniel Gifford
Turn-Around-Time	Standard

Analyses

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Total petroleum hydrocarbons (GRO, DRO, ORO)	Volatile organic compounds (8260B)	Semivolatile organic compounds (8270C)	Polychlorinated biphenyls (8082)	Title 22 metals (6010B/7471A)	Organochlorine pesticides (8081A)
SV-1-2	5/22/14	0723	soil	6	27	X	X	X			
SV-1-5	5/22/14	0738	soil	6	28	X	X	X			
SV-1-10	5/22/14	0745	soil	6	29	X	X				
SV-1-15	5/22/14	0756	soil	6	30	X	X				
SV-2-2	5/22/14	0825	soil	6	31	X	X				
SV-2-5	5/22/14	0829	soil	6	32	X	X				
SV-2-10	5/22/14	0834	soil	6	33	X	X	X			
SV-2-15	5/22/14	0841	soil	6	34	X	X	X			
SV-3-2	5/22/14	0856	soil	6	35	X	X			X	
SV-3-5	5/22/14	0901	soil	6	36	X	X			X	
SV-3-10	5/22/14	0908	soil	6	37	X	X				
SV-3-15	5/22/14	0917	soil	6	38	X	X				

Relinquished by		Company	Received by	
Printed Name: Daniel Gifford	Date: 5/22/14	Avocet Environmental, Inc.	Printed Name: DANNY LE	Date: 5/22/14
Signature:	Time: 1645		Signature: Danny Le	Time: 16:45
Printed Name:	Date:		Printed Name:	Date:
Signature:	Time:		Signature:	Time:
Printed Name:	Date:		Printed Name:	Date:
Signature:	Time:		Signature:	Time:

Sample Receipt		Billing Information	Special Instructions
Total Containers		Bill To: Deke Siren, AVOCET ENVIRONMENTAL, INC., 1 Technology Dive, Suite C515, Irvine, CA 92618-5302	Please bill to Avocet. For questions, please call Deke Siren at (714) 742-3355.
Temperature °C / °F	Lab N		
COC Seal (Y/N/NA)	Intact (Y/N)		

P:\1348 Compton-Parmelee Armory\Phil ESA\field forms\Chain of Custody.xls

Return to Contents

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-1745

SAMPLE RECEIPT FORM

Cooler 1 of 3

CLIENT: Avocet Env'l

DATE: 05/22/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 3.4 °C - 0.3 °C (CF) = 3.1 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 812

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☑TerraCores® ☐_____

Aqueous: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 812

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 659

Preservative: **h:** HCL **n:** HNO_3 **na_2:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 659

Return to Contents

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-1745

SAMPLE RECEIPT FORM

Cooler 2 of 3

CLIENT: Avocet Env'l

DATE: 05/22/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 4.0 °C - 0.3 °C (CF) = 3.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 659

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 812

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (S) ☐EnCores® ☑TerraCores® ☐_____

Aqueous: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 812

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 659

Preservative: **h:** HCL **n:** HNO_3 **na_2:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 659

Return to Contents

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-1745

SAMPLE RECEIPT FORM

Cooler 3 of 3

CLIENT: Avocet Eng'l

DATE: 05/22/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 4.5 °C - 0.3 °C (CF) = 4.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 812

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☑TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 812

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 659

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 659

Return to Contents

eurofins | Calscience

WORK ORDER NUMBER: 14-07-0021

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Avocet Environmental, Inc.

Client Project Name: JAB Holdings Site / 1128.006

Attention: Deke Siren
1 Technology Drive, Suite C515
Irvine, CA 92618-5302

Approved for release on 07/09/2014 by:
Virendra Patel
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

eurofins | Calscience

Contents

Client Project Name: JAB Holdings Site / 1128.006
Work Order Number: 14-07-0021

1 Work Order Narrative. 3

2 Sample Summary. 4

3 Detections Summary. 5

4 Client Sample Data. 6
4.1 SM 2540 C Total Dissolved Solids (Aqueous). 6
4.2 1,4-Dioxane by EPA 8270C (M) Isotope Dilution (Aqueous). 7
4.3 EPA 8260B Volatile Organics (Aqueous). 8

5 Quality Control Sample Data. 12
5.1 MS/MSD. 12
5.2 Sample Duplicate. 14
5.3 LCS/LCSD. 15

6 Sample Analysis Summary. 18

7 Glossary of Terms and Qualifiers. 19

8 Chain-of-Custody/Sample Receipt Form. 20

eurofins | Calscience

Work Order Narrative

Work Order: 14-07-0021 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/01/14. They were assigned to Work Order 14-07-0021.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Return to Contents

eurofins | Calscience

Sample Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order:	14-07-0021
		Project Name:	JAB Holdings Site / 1128.006
		PO Number:	
		Date/Time Received:	07/01/14 11:54
		Number of Containers:	5
Attn:	Deke Siren		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Influent	14-07-0021-1	07/01/14 09:17	5	Aqueous

Return to Contents

eurofins | Calscience

Detections Summary

Client:	Avocet Environmental, Inc. 1 Technology Drive, Suite C515 Irvine, CA 92618-5302	Work Order:	14-07-0021
		Project Name:	JAB Holdings Site / 1128.006
		Received:	07/01/14
Attn:	Deke Siren		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Influent (14-07-0021-1)						
Chloroform	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	2.3		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	8.7		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	70		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dioxane	63		1.0	ug/L	EPA 8270C (M) Isotope Dilution	EPA 3510C
Solids, Total Dissolved	605		1.00	mg/L	SM 2540 C	N/A

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

eurofins | Calscience

Analytical Report

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	N/A
		Method:	SM 2540 C
		Units:	mg/L
Project: JAB Holdings Site / 1128.006			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**14-07-0021-1-E**	**07/01/14 09:17**	**Aqueous**	**SC 5**	**07/02/14**	**07/02/14 15:30**	**E0702TDSB1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	605	1.00	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-180-4128**	**N/A**	**Aqueous**	**SC 5**	**07/02/14**	**07/02/14 15:30**	**E0702TDSB1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	ND	1.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

eurofins | Calscience

Analytical Report

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 3510C
		Method:	EPA 8270C (M) Isotope Dilution
		Units:	ug/L
Project: JAB Holdings Site / 1128.006			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**14-07-0021-1-D**	**07/01/14 09:17**	**Aqueous**	**GC/MS DDD**	**07/02/14**	**07/02/14 17:17**	**140702L02**

Parameter	Result	RL	DF	Qualifiers
1,4-Dioxane	63	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	84	56-123	
1,4-Dioxane-d8(IDS-IS)	48	30-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-216-176**	**N/A**	**Aqueous**	**GC/MS DDD**	**07/02/14**	**07/02/14 13:40**	**140702L02**

Parameter	Result	RL	DF	Qualifiers
1,4-Dioxane	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	97	56-123	
1,4-Dioxane-d8(IDS-IS)	58	30-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

eurofins | Calscience

Analytical Report

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: JAB Holdings Site / 1128.006			Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Influent	**14-07-0021-1-A**	**07/01/14 09:17**	**Aqueous**	**GC/MS W**	**07/01/14**	**07/02/14 02:31**	**140701L040**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	1.1	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	2.3	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

eurofins | Calscience

Analytical Report

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: JAB Holdings Site / 1128.006			Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	8.7	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	70	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

eurofins | Calscience

Analytical Report

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: JAB Holdings Site / 1128.006			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-14580**	**N/A**	**Aqueous**	**GC/MS W**	**07/01/14**	**07/02/14 01:34**	**140701L040**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

eurofins | Calscience

Analytical Report

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: JAB Holdings Site / 1128.006			Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

eurofins | Calscience

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 3510C
		Method:	EPA 8270C (M) Isotope Dilution
Project: JAB Holdings Site / 1128.006			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-07-0076-3	**Sample**	**Aqueous**	**GC/MS DDD**	**07/02/14**	**07/02/14 14:28**	**140702S02**
14-07-0076-3	**Matrix Spike**	**Aqueous**	**GC/MS DDD**	**07/02/14**	**07/02/14 14:43**	**140702S02**
14-07-0076-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS DDD**	**07/02/14**	**07/02/14 14:59**	**140702S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	5.041	20.00	22.34	86	22.82	89	50-130	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

eurofins | Calscience

Quality Control - Spike/Spike Duplicate

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: JAB Holdings Site / 1128.006			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Influent	**Sample**	**Aqueous**	**GC/MS W**	**07/01/14**	**07/02/14 02:31**	**140701S025**
Influent	**Matrix Spike**	**Aqueous**	**GC/MS W**	**07/01/14**	**07/02/14 03:00**	**140701S025**
Influent	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS W**	**07/01/14**	**07/02/14 03:28**	**140701S025**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.48	101	51.00	102	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	50.67	101	49.75	99	60-144	2	0-21	
Chlorobenzene	ND	50.00	51.14	102	50.10	100	73-120	2	0-22	
1,2-Dibromoethane	ND	50.00	50.10	100	49.42	99	80-122	1	0-20	
1,2-Dichlorobenzene	ND	50.00	51.33	103	49.50	99	70-120	4	0-26	
1,2-Dichloroethane	ND	50.00	49.94	100	49.64	99	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	52.55	105	51.78	104	52-136	1	0-21	
Ethylbenzene	ND	50.00	52.36	105	51.95	104	77-125	1	0-24	
Toluene	ND	50.00	51.74	103	52.16	104	72-126	1	0-23	
Trichloroethene	70.07	50.00	113.9	88	113.1	86	74-128	1	0-22	
Vinyl Chloride	ND	50.00	47.64	95	46.71	93	67-133	2	0-20	
p/m-Xylene	ND	100.0	107.5	108	106.7	107	63-129	1	0-25	
o-Xylene	ND	50.00	57.26	115	56.24	112	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	52.70	105	53.04	106	68-134	1	0-21	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

eurofins | Calscience

Quality Control - Sample Duplicate

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	N/A
		Method:	SM 2540 C
Project: JAB Holdings Site / 1128.006			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-07-0006-1	**Sample**	**Aqueous**	**SC 5**	**07/02/14 00:00**	**07/02/14 15:30**	**E0702TDSD1**
14-07-0006-1	**Sample Duplicate**	**Aqueous**	**SC 5**	**07/02/14 00:00**	**07/02/14 15:30**	**E0702TDSD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	295.0	305.0	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

eurofins | Calscience

Quality Control - LCS/LCSD

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	N/A
		Method:	SM 2540 C
Project: JAB Holdings Site / 1128.006			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-180-4128	**LCS**	**Aqueous**	**SC 5**	**07/02/14**	**07/02/14 15:30**	**E0702TDSB1**
099-12-180-4128	**LCSD**	**Aqueous**	**SC 5**	**07/02/14**	**07/02/14 15:30**	**E0702TDSB1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	100.0	95.00	95	90.00	90	80-120	5	0-20	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

eurofins | Calscience

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 3510C
		Method:	EPA 8270C (M) Isotope Dilution
Project: JAB Holdings Site / 1128.006			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-216-176	**LCS**	**Aqueous**	**GC/MS DDD**	**07/02/14**	**07/02/14 13:56**	**140702L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	20.00	17.40	87	50-130	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

eurofins | Calscience

Quality Control - LCS

Avocet Environmental, Inc.		Date Received:	07/01/14
1 Technology Drive, Suite C515		Work Order:	14-07-0021
Irvine, CA 92618-5302		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: JAB Holdings Site / 1128.006			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-14580	**LCS**	**Aqueous**	**GC/MS W**	**07/01/14**	**07/02/14 00:09**	**140701L040**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.54	101	80-120	73-127	
Carbon Tetrachloride	50.00	45.82	92	67-139	55-151	
Chlorobenzene	50.00	49.99	100	78-120	71-127	
1,2-Dibromoethane	50.00	49.75	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.03	100	63-129	52-140	
1,2-Dichloroethane	50.00	50.53	101	70-130	60-140	
1,1-Dichloroethene	50.00	48.72	97	66-126	56-136	
Ethylbenzene	50.00	51.41	103	80-123	73-130	
Toluene	50.00	51.71	103	80-120	73-127	
Trichloroethene	50.00	52.20	104	80-122	73-129	
Vinyl Chloride	50.00	44.63	89	70-130	60-140	
p/m-Xylene	100.0	106.9	107	75-123	67-131	
o-Xylene	50.00	56.09	112	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	54.04	108	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

eurofins | Calscience

Sample Analysis Summary Report

Work Order: 14-07-0021

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	867	GC/MS W	2
EPA 8270C (M) Isotope Dilution	EPA 3510C	897	GC/MS DDD	1
SM 2540 C	N/A	722	SC 5	1

Return to Contents

eurofins | Calscience

Glossary of Terms and Qualifiers

Work Order: 14-07-0021 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Return to Contents

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618
TEL (949) 296-0977
FAX (949) 296-0978

CHAIN OF CUSTODY RECORD

14-07-0021

Project Information:

Site Name	**JAB Holdings Site**
Site Address	**El Monte, California**
Project No.	**1128.006**
Project Manager	**Deke Siren**
Sampled By	Jessica Sutherlee
Turnaround Time	**Standard**

Analyses (EPA Method)

Sample Identification	Sample Date	Sample Time	Matrix	No. of Sample Bottles	Lab I.D. Number	VOCs (8260B)	1,4-Dioxane (8270M)	TDS
Influent	7/1/14	917	water	5	1	X	X	X

Relinquished by		Company	Received by		Company
Printed Name: Jessica Sutherlee	Date: 7/1/14	Avocet Environmental, Inc.	Printed Name: Noel Cruse	Date: 7/1/14	ECI
Signature: Jessica Sutherlee	Time: 11:54		Signature:	Time: 1154	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	

Sample Receipt		Billing Information		Special Instructions
Total Containers	TAT	Bill To:	Deke Siren	
Temperature °C °F	Lab No.	Company:	Avocet Environmental, Inc.	Report to: dsiren@avocetenv.com
COC Seal (Y/N/NA)	Intact (Y/N)	Address:	1 Technology Drive, Suite C515, Irvine, CA 92618	

P:\1128 WQA\System O&M\O&M Sampling, Monitoring Data\COCs-drafts\Blank COC's\COC_Blank_Influent.xlsx

Return to Contents

eurofins | Calscience

WORK ORDER #: 14-07-0021

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Avocet

DATE: 07/01/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Checked by: 300

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 300

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 739

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑3 VOAh ☐VOAna$_2$ ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna$_2$ ☐1AGBs ☑500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☑1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna$_2$ ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 739

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 681

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 681

Return to Contents

Appendix C

H&P Analytical Report

AVOCET
ENVIRONMENTAL, INC.

H&P Mobile Geochemistry Inc.

04 June 2014

Mr. Deke Siren
Avocet Environmental
1 Technology Dr., Suite C515
Irvine, CA 92618

H&P Project: AVE052314-10
Client Project: Former Compton Armory

Dear Mr. Deke Siren:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 22-May-14 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-15'	E405105-01	Vapor	22-May-14	22-May-14
SV1-5'	E405105-02	Vapor	22-May-14	22-May-14
SV2-15'	E405105-03	Vapor	22-May-14	22-May-14
SV2-15' rep	E405105-04	Vapor	22-May-14	22-May-14
SV2-5'	E405105-05	Vapor	22-May-14	22-May-14
SV3-15'	E405105-06	Vapor	22-May-14	22-May-14
SV3-5'	E405105-07	Vapor	22-May-14	22-May-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project: AVE052314-10	
1 Technology Dr., Suite C515	Project Number: Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager: Mr. Deke Siren	04-Jun-14 11:43

DETECTIONS SUMMARY

Sample ID: **SV1-15'** Laboratory ID: **E405105-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV1-5'** Laboratory ID: **E405105-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV2-15'** Laboratory ID: **E405105-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**0.30**	0.10	ug/l	H&P 8260 SV	
m,p-Xylene	**0.91**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SV2-15' rep** Laboratory ID: **E405105-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**0.30**	0.10	ug/l	H&P 8260 SV	
m,p-Xylene	**1.2**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SV2-5'** Laboratory ID: **E405105-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV3-15'** Laboratory ID: **E405105-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	**2.2**	0.50	ug/l	H&P 8260 SV	
m,p-Xylene	**8.5**	0.50	ug/l	H&P 8260 SV	
o-Xylene	**2.4**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SV3-5'** Laboratory ID: **E405105-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	**6.5**	0.50	ug/l	H&P 8260 SV	
m,p-Xylene	**25**	0.50	ug/l	H&P 8260 SV	
o-Xylene	**7.0**	0.50	ug/l	H&P 8260 SV	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-15' (E405105-01) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-15' (E405105-01) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*86.0 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5' (E405105-02) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5' (E405105-02) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-15' (E405105-03) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	**0.30**	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**0.91**	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-15' (E405105-03) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*122 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-15' rep (E405105-04) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	**0.30**	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**1.2**	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-15' rep (E405105-04) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5' (E405105-05) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5' (E405105-05) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*111 %*	*75-125*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project: AVE052314-10	
1 Technology Dr., Suite C515	Project Number: Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager: Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-15' (E405105-06) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	**2.2**	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**8.5**	0.50	"	"	"	"	"	"	
o-Xylene	**2.4**	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-15' (E405105-06) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.9 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5' (E405105-07) Vapor Sampled: 22-May-14 Received: 22-May-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	**6.5**	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**25**	0.50	"	"	"	"	"	"	
o-Xylene	**7.0**	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5' (E405105-07) Vapor Sampled: 22-May-14 Received: 22-May-14									
Styrene	ND	0.50	ug/l	0.05	EE42906	29-May-14	29-May-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42906 - EPA 5030										
Blank (EE42906-BLK1)				Prepared & Analyzed: 29-May-14						
1,1-Difluoroethane (LCC)	ND	0.50	ug/l							
Dichlorodifluoromethane (F12)	ND	0.50	"							
Chloromethane	ND	0.50	"							
Vinyl chloride	ND	0.05	"							
Bromomethane	ND	0.50	"							
Chloroethane	ND	0.50	"							
Trichlorofluoromethane (F11)	ND	0.50	"							
Methylene chloride (Dichloromethane)	ND	0.50	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
Chloroform	ND	0.10	"							
Bromochloromethane	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1-Dichloropropene	ND	0.50	"							
Carbon tetrachloride	ND	0.10	"							
1,2-Dichloroethane (EDC)	ND	0.10	"							
Benzene	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.50	"							
Bromodichloromethane	ND	0.50	"							
Dibromomethane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
Toluene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
Tetrachloroethene	ND	0.10	"							
Dibromochloromethane	ND	0.50	"							
Chlorobenzene	ND	0.10	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42906 - EPA 5030										
Blank (EE42906-BLK1)				Prepared & Analyzed: 29-May-14						
Ethylbenzene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
m,p-Xylene	ND	0.50	"							
o-Xylene	ND	0.50	"							
Styrene	ND	0.50	"							
Bromoform	ND	0.50	"							
Isopropylbenzene (Cumene)	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
1,2,3-Trichloropropane	ND	0.50	"							
n-Propylbenzene	ND	0.50	"							
Bromobenzene	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
tert-Butylbenzene	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
sec-Butylbenzene	ND	0.50	"							
p-Isopropyltoluene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
n-Butylbenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	0.50	"							
Hexachlorobutadiene	ND	0.50	"							
Naphthalene	ND	0.10	"							
1,2,3-Trichlorobenzene	ND	0.50	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.47*		*"*	*2.50*		*98.7*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.74*		*"*	*2.50*		*110*	*75-125*			
Surrogate: Toluene-d8	*2.87*		*"*	*2.50*		*115*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project: AVE052314-10	
1 Technology Dr., Suite C515	Project Number: Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager: Mr. Deke Siren	04-Jun-14 11:43

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42906 - EPA 5030										
LCS (EE42906-BS1)				Prepared & Analyzed: 29-May-14						
Dichlorodifluoromethane (F12)	1.84	0.50	ug/l	2.50		73.6	70-130			
Vinyl chloride	2.38	0.05	"	2.50		95.0	70-130			
Chloroethane	2.37	0.50	"	2.50		94.7	70-130			
Trichlorofluoromethane (F11)	2.42	0.50	"	2.50		96.8	70-130			
Methylene chloride (Dichloromethane)	2.36	0.50	"	2.50		94.5	70-130			
trans-1,2-Dichloroethene	2.58	0.50	"	2.50		103	70-130			
1,1-Dichloroethane	2.63	0.50	"	2.50		105	70-130			
1,1-Dichloroethene	2.33	0.50	"	2.50		93.3	70-130			
cis-1,2-Dichloroethene	2.75	0.50	"	2.50		110	70-130			
Chloroform	2.63	0.10	"	2.50		105	70-130			
1,1,1-Trichloroethane	2.42	0.50	"	2.50		97.0	70-130			
Carbon tetrachloride	2.25	0.10	"	2.50		89.9	70-130			
1,2-Dichloroethane (EDC)	2.89	0.10	"	2.50		116	70-130			
Benzene	2.50	0.10	"	2.50		100	70-130			
Trichloroethene	2.44	0.10	"	2.50		97.7	70-130			
Toluene	2.54	1.0	"	2.50		102	70-130			
1,1,2-Trichloroethane	2.44	0.50	"	2.50		97.6	70-130			
Tetrachloroethene	2.43	0.10	"	2.50		97.3	70-130			
Ethylbenzene	2.32	0.50	"	2.50		92.9	70-130			
1,1,1,2-Tetrachloroethane	2.37	0.50	"	2.50		94.7	70-130			
m,p-Xylene	4.82	0.50	"	5.00		96.5	70-130			
o-Xylene	2.39	0.50	"	2.50		95.5	70-130			
1,1,2,2-Tetrachloroethane	2.30	0.50	"	2.50		92.0	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	2.69	0.50	"	2.50		108	70-130			
Surrogate: Dibromofluoromethane	*2.69*		*"*	*2.50*		*107*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.66*		*"*	*2.50*		*106*	*75-125*			
Surrogate: Toluene-d8	*2.78*		*"*	*2.50*		*111*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Avocet Environmental	Project:	AVE052314-10	
1 Technology Dr., Suite C515	Project Number:	Former Compton Armory	Reported:
Irvine, CA 92618	Project Manager:	Mr. Deke Siren	04-Jun-14 11:43

Notes and Definitions

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

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-22-14
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Avocet Environmental	Project Name / #: FORMER COMPTON ARMORY
Lab Client Project Manager: Pete Siren	Project Location: 2320 PALMDALE AVE, COMPTON
Lab Client Address: #1 Technology Dr #C515	Report E-Mail(s): dsiren@avocetenv.com
Lab Client City, State, Zip: Irvine CA 92618	
Phone Number: 949) 296-0977	

Reporting Requirements	Turnaround Time	Sampler Information
☒ Standard Report ☐ Level III ☐ Level IV	☒ 5-7 day Stnd ☐ 24-Hr Rush	Sampler(s): M Scherer / E Curson
☒ Excel EDD ☐ Other EDD:	☐ 3-day Rush ☐ Mobile Lab	Signature:
☐ CA Geotracker Global ID:	☐ 48-Hr Rush ☐ Other:	Date: 4-22-14

Sample Receipt (Lab Use Only)

Date Rec'd: 5/23/14	Control #:
H&P Project # AVE0523/4-10	
Lab Work Order # E405105	
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID: 11167	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials: VA	

Additional Instructions to Laboratory:

☐ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☒ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SV1-15'		4-22-14	1515	SV	400 ml	472	-1.3	X							X					
SV1-5'		4-22-14	1516	SV	400 ml	043	-2.4	X							X					
SV2-15'		4-22-14	1525	SV	400 ml	464	-1.0	X							X					
SV2-15' rep		4-22-14	1533	SV	400 ml	462	-1.9	X							X					
SV2-5'		4-22-14	1524	SV	400 ml	456	-1.3	X							X					
SV3-15		4-22-14	1544	SV	400 ml	465	-.4	X							X					
SV3-5		4-22-14	1545	SV	400 ml	473	-.8	X							X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
[signature]	Avocet	5/22/14	1551	[signature]	H&P	4-22-14	1551
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

15- 520
5 - 490

DB

H&P Mobile Geochemistry Inc.

Vapor Sampling into Summa

Site Address: 2320 N. Parmelee, Compton, CA
Date: 4-22-14
Company: AVOCET
H&P Project #: AVE 052214 - SPB / Tech
Arrival Time: 0700
Field Rep(s): DAN
H&P Rep(s): M Scherer / E Corson
Departure Time: 1545

	Point ID		Date	Summa #	Start Time	Initial (" Hg)	End / Sample Time	End (" Hg)	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Purge Vol (mL)	Flow Rate (mL/min)	Pump Run Time	Shut-in Test (✓if pass)	Probe Pressure (" Hg)	Field Notes
	Summa Info								Probe Specs					Sample Information					
1	SV1	15	5/22	472	1511	-27	1515	Ø	15	17	Y8	1½	6	520	1200	—	✓	2	
2		5		040	1511	-27	1516	Ø	5	7	Y8	1½	6	490	1200	—	✓	0	
3	SV2	15		464	1520	-29	1525	0	15	17	Y8	1.5	6	520	1200	—	✓	-1	
4		5		456	1520	-27	1524	Ø	5	7	Y8	1.5	6	490	1200	—	✓	0	
5	Rep	15		462	1525	-28	1533	Ø	15	17	Y8	1.5	6	520	1200	—	✓	-1	
6	SV3	15'		465	1540	-28	1544	Ø	15	17	Y8	1.5	6	520	1200	—	✓	4	
7		5'		473	1541	-29	1545	Ø	5	7	Y8	1.5	6	490	1200	—	✓	0	
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Purge Volume Amount Selected: 3PV Selected by: Jobsheet

Overtime (hrs): _____

Client Signature: _____

Leak Check Information

Leak Check Compound: ~~1,9~~ 1,1 DFA

Procedure: 1,9