ARDENT
ENVIRONMENTAL GROUP, INC.

October 8, 2019
Project No. 101125003

Ms. Angela Noah
Bridge Acquisition, LLC
1600 East Franklin Avenue, Suite D
El Segundo, California 90245

Subject: Results of a Subsurface Investigation
Big Lots Warehouse
12322 and 12434 East 4th Street
Rancho Cucamonga, California

Dear Ms. Noah:

This report presents the results of a subsurface investigation completed at the Big Lots Warehouse property located at 12322 and 12434 East 4th Street in the city of Rancho Cucamonga, California (site; Figure 1). Work was completed in general accordance with the proposal dated August 30, 2019 between Bridge Acquisition, LLC (Bridge) and Ardent Environmental Group, Inc. (Ardent).

The site is currently used for warehouse, distribution, and retail purposes (Figure 2). Bridge is considering purchasing the site for commercial redevelopment. As part of its real estate due diligence, Bridge retained Ardent to complete a Phase I Environmental Site Assessment (ESA) for the site. Based on the results, a Former Truck Wash is located in the southwestern portion of the site that utilized an underground clarifier to treat wastewater prior to discharging to the municipal sewer system (Figure 2). Since the clarifier is an underground feature, and releases from these types of structures are typically not detected, the clarifier was considered to be a recognized environmental condition (REC). Ardent recommended completing a subsurface investigation in the vicinity of the clarifier. Groundwater has been reported in the site vicinity at depths of approximately 370 to 420 feet below ground surface (bgs).

From at least 1938 through 1975, the site and site vicinity were used for agricultural purposes (i.e. vineyards). In 1983, the southern and central portion of the site was redeveloped with the existing commercial buildings and associated parking lot. The northern portion of the site (ap-

proximately 10-acres) continued to be used for agricultural purposes (Figure 2). During completion of the Phase I ESA, there was no indication of large quantities of pesticides being used, stored, or mixed at the site. Based on this information, and the fact that the site will be used for commercial purposes, Ardent did not present the possible use of agricultural chemicals as an environmental concern to the site. Although not raised as an environmental concern, Bridge requested that soil samples be collected in the northern portion of the site to assess whether elevated concentrations of agricultural chemicals (i.e. pesticides and/or herbicides) were present.

OBJECTIVES

The objectives of the subsurface investigation were to assess whether elevated concentrations of selected chemicals were present in the vicinity of the clarifier, and assess whether elevated concentrations of agricultural chemicals were present in the northern portion of the site.

SUBSURFACE INVESTIGATION

The subsurface investigation was completed on September 4, 2019 and included drilling two soil borings (designated CL1 and CL2) next to the clarifier and collecting 20 surface samples (designated AG1 through AG20) from the agricultural land. Soil lithology generally consisted of dark yellowish brown or moderate yellowish brown, silty fine sand to fine to coarse sand with trace fine gravel. Selected soil samples were analyzed by a State-certified environmental laboratory. Boring logs are presented in Attachment A and laboratory reports are presented in Attachment B. The following presents the results of the sampling and analytical activities.

Clarifier Sampling – The three stage clarifier is located immediately east of the Former Truck Maintenance Area (Figure 3). Prior to start of the drilling activities, the clarifier was measured at a depth of approximately 8 feet bgs. Influent and effluent piping was noted as shown on Figure 3. A sample box was also observed at the southern end of the clarifier.

The soil borings were drilled to a depth of approximately 15 feet bgs using direct push drilling equipment. A continuous sample was collected throughout the boring to the total depth. Soil was inspected in the field for stains, odors, and elevated photoionization detector (PID) readings. No stained, odorous, or elevated PID readings were noted. Soil samples collected at a depth of approximately 10 feet bgs in each boring were chemically analyzed for volatile organic compounds (VOCs) and total petroleum hydrocarbons carbon

chain C_6-C_{32} (TPHcc) in general accordance with EPA Method Nos. 8260B and 8015 (modified). Samples collected for analyses of VOCs were preserved in the field in accordance with EPA Method No. 5035. Laboratory results indicated no detectable concentrations of TPHcc or VOCs (Table 1).

Agricultural Sampling – Prior to the start of start of field work, Ardent prepared a scaled map of the area to be sampled for agricultural chemicals (Figure 4). It should be noted that organochlorine pesticides (OCPs) were banned in the United States in 1972. After this time frame, organophosphorus pesticides (OPPs) were used. Based on the longevity of agricultural land use in this portion of the site, soil samples were analyzed for both OCPs and OPPs. Arsenic, in the form of arsenical herbicides, has also been applied to agricultural lands. Based on this information, arsenic was also tested.

The agricultural sampling in the northern portion of the site was completed in general accordance with the Department of Toxic Substances Control (DTSC) Interim Guidance for Sampling Agricultural Properties (third revision), dated August 7, 2008. Based on these guidelines, 20 shallow soil samples needed to be collected throughout the 10-acre property. To obtain these samples, Ardent prepared a general grid and collected one sample from each of the grids, as shown on Figure 4. Each sample was generally collected at a depth of approximately 0.5-foot bgs using a shovel.

As per the DTSC guidelines, the samples were composited by the laboratory in five 4-point composite samples (e.g. AG1, AG2, AG3, and AG4 composited as “Composite 1;” AG5, AG6, AG7, and AG8 composited as “Composite 2;” etc.). Each composite sample (5 total) were analyzed for OCPs and OPPs in general accordance with EPA Method Nos. 8081A and 8141A, respectively. As per the DTSC guideline, one discrete soil sample from each set of four composite samples (AG2, AG5, AG10, AG13, and AG18) were chosen for analyses of arsenic in general accordance with EPA Method No. 6010B.

Laboratory results of the composite samples indicated no detectable concentrations of OPPs. With the exception of dichlorodiphenyldichloroethylene (DDE, a breakdown product of dichlorodiphenyltrichloroethane [DDT]), no detectable concentrations of OCPs were reported. DDE was reported in each composite sample at concentrations ranging from 0.004 to 0.024 milligrams per kilogram (mg/kg; Table 2). The detectable concentrations

were compared to state and federal screening levels for the protection of human health. The DTSC, Human and Ecological Risk Office (HERO), Human Health Risk Assessment Note 3, provides screening levels for soil for industrial/commercial properties based on a human health risk criteria (DTSC-SLi). The EPA also provides Regional Screening Levels for soil for industrial/commercial properties (EPA-RSLi). These very conservative guidelines are based on the protection of human health through dermal contact, inhalation, and ingestion. No DTSC-SLi values are available for DDE. As shown on Table 2, the concentrations of DDE detected at the site are well below the EPA-RSLi value of 9.3 mg/kg. Based on these results, no human health risk is present.

Laboratory results of discrete samples (AG2, AG5, AG10, AG13, and AG18) indicated concentrations of arsenic ranging from 0.441 to 0.595 mg/kg. Metals are naturally occurring. Due to the granitic nature of California geology, concentrations of arsenic typically exceed the human health risk guideline prepared by the state (0.36 mg/kg) and federal (3 mg/kg) agencies. Although the detectable concentrations did not exceed the federal screening levels, the concentrations did exceed the state agency guidelines. The DTSC recently completed a study of naturally occurring concentrations of arsenic for school sites for the Los Angeles Unified School District (LAUSD). Based on its study, the DTSC concluded that arsenic would be considered elevated at concentrations exceeding 12 mg/kg (DTSC, 2005). Based on these commonly used cleanup guidelines presented by the DTSC, laboratory results of the soil samples analyzed would be considered low and would not pose a risk to human health. Based on the depth to groundwater, low concentrations of residual chemicals, and the low mobility of DDE and arsenic in soil, there is a low likelihood that these constituents would impact groundwater.

CONCLUSIONS AND RECOMMNEDATIONS

Based on the results of a Phase I ESA, a three-stage clarifier was formerly used in the southwestern portion of the site as part of the Former Truck Wash. Two soil borings were drilled next to this feature and soil samples were obtained. No soil staining or odors were noted, and no elevated PID readings were measured. Laboratory results indicated no detectable concentrations of petroleum hydrocarbons and VOCs. Based on this information, there is a low likelihood that elevated concentrations of petroleum hydrocarbons or VOCs are present in the vicinity of the clarifier.

The northern portion of the site has historically and is currently being used for agricultural purposes. Shallow soil samples were collected from the agricultural portion of the site and analyzed for agricultural chemicals including OCPs, OPPs, and arsenic. Laboratory results indicated no detectable concentrations of OPPs, and no detectable to low concentrations of OPPs (namely DDE). Low concentrations of arsenic were also reported. The concentrations of DDE were well below state and federal guidelines for the protection of human health, and the concentrations of arsenic were well below the federal guidelines for the protection of human health and regulatory accepted background concentrations. Based on this information, there is a low likelihood that elevated concentrations of agricultural chemicals are present in the northern portion of the site.

Based on the results of the subsurface investigation, Ardent recommends no further investigations at this time. If you have any questions or comments regarding this report, please call the undersigned at your convenience.

Sincerely,
Ardent Environmental Group, Inc.

Matthew Penksaw
Staff Scientist

Paul A. Roberts, P.G.
Principal Geologist

PAR/MP/aw

Attachments: Table 1 – Laboratory Results of Soil Sampling, Clarifier
Table 2 – Laboratory Results of Soil Sampling, Agricultural
Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Clarifier Sampling
Figure 4 – Agricultural Sampling
Attachment A – Boring Logs
Attachment B – Laboratory Reports

Distribution: (1) Addressee – via email

References

California Department of Toxic Substances Control (DTSC), 2005, Final Report Background Metals at Los Angeles Unified School Sites – Arsenic: Supplement to the DTSC Preliminary Endangerment Assessment (PEA) for evaluating background concentrations of arsenic at Los Angeles Unified School District (LAUSD) school sites, dated June 6.

California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO), 2019, Human Health Risk Assessment (HHRA) Note Number 3, DTSC Screening Levels (DTSC-SL), dated April.

Environmental Protection Agency (EPA) Region 9, 2019, Regional Screening Levels (EPA-RSLs), Summary Table, dated April.

TABLE 1 - LABORATORY RESULTS OF SOIL SAMPLES, CLARIFIER

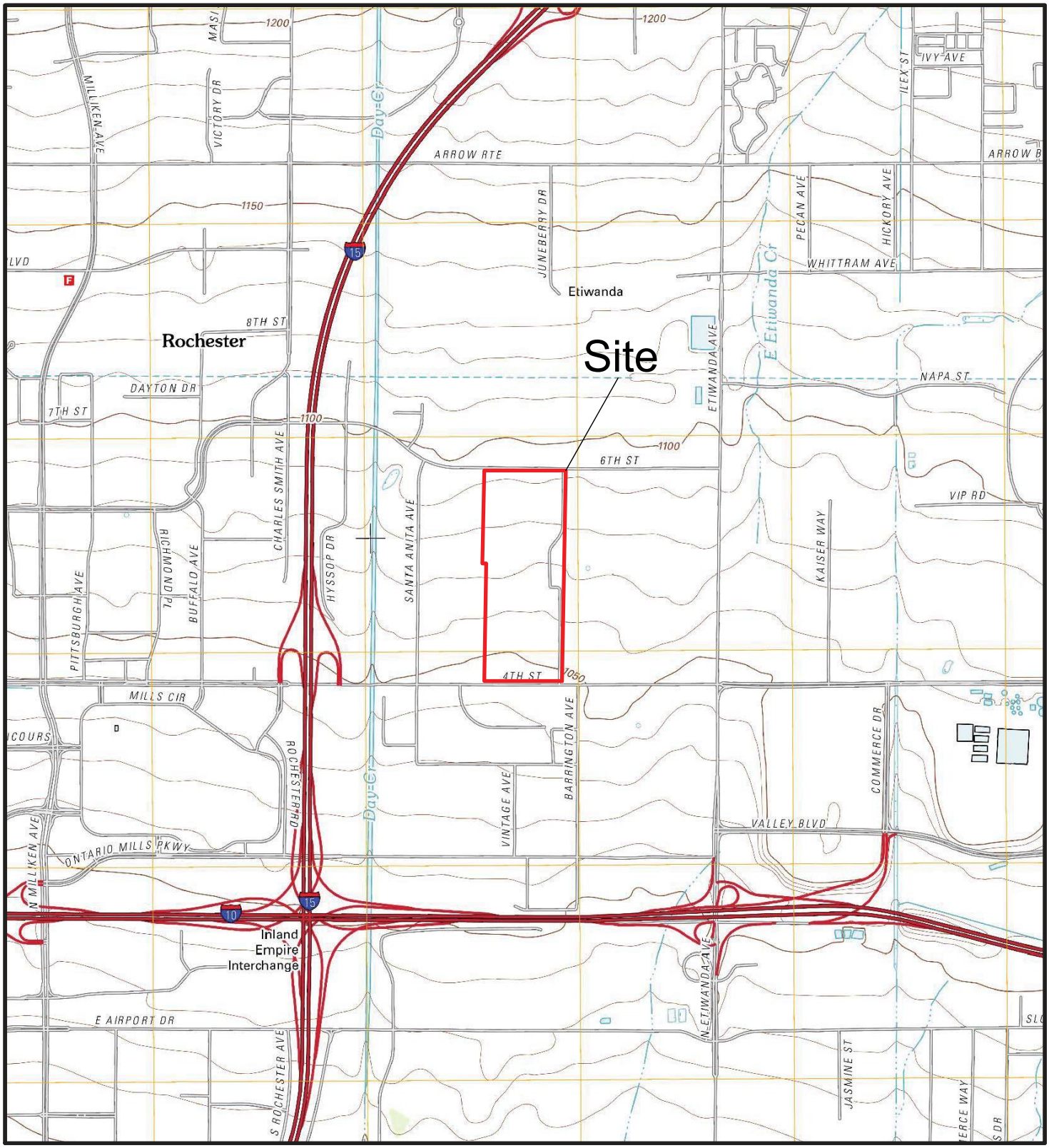
Boring ID	Date Sampled	Sample Depth (feet bgs)	TPHcc (C_6-C_{32}) (mg/kg)			VOCs (mg/kg)
			TPHg (C_6-C_{12})	TPHd (C_{13}-C_{22})	TPHo (C_{23}-C_{32})	
CL1	9/4/2019	10	ND<10	ND<10	ND<50	ND<0.005-0.010
CL2	9/4/2019	10	ND<10	ND<10	ND<50	ND<0.005-0.010

Notes:
Boring ID – soil boring identification
feet bgs – feet below the ground surface
TPHcc – total petroleum hydrocarbons carbon chain C6-C32 analyzed in general accordance with EPA Method No. 8015 (modified)
TPHg – total petroleum hydrocarbons as gasoline
TPHd - total petroleum hydrocarbons as diesel fuel
TPHo - total petroleum hydrocarbons as oil
mg/kg – milligrams per kilogram
VOCs – volatile organic compounds analyzed in general accordance with EPA Method No. 8260B
ND – no detectable concentration above the shown laboratory detection limit

TABLE 2 - LABORATORY RESULTS OF SOIL SAMPLES, AGRICULTURAL

Sample ID	Date Sampled	Sample Depth (feet bgs)	OPP (mg/kg)	OCP (mg/kg)		Arsenic (mg/kg)
				DDE	All Others	
Composite 1 (AG1, AG2, AG3, AG4)	9/4/2019	0.5	ND<0.05	**0.023**	ND<0.001-0.020	--
Composite 2 (AG5, AG6, AG7, AG8)	9/4/2019	0.5	ND<0.05	**0.021**	ND<0.001-0.020	--
Composite 3 (AG9, AG10, AG11, AG12)	9/4/2019	0.5	ND<0.05	**0.007**	ND<0.001-0.020	--
Composite 4 (AG13, AG14, AG15, AG16)	9/4/2019	0.5	ND<0.05	**0.004**	ND<0.001-0.020	--
Composite 5 (AG17, AG18, AG19, AG20)	9/4/2019	0.5	ND<0.05	**0.024**	ND<0.001-0.020	--
AG2	9/4/2019	0.5	--	--	--	**0.485**
AG5	9/4/2019	0.5	--	--	--	**0.595**
AG10	9/4/2019	0.5	--	--	--	**0.568**
AG13	9/4/2019	0.5	--	--	--	**0.551**
AG18	9/4/2019	0.5	--	--	--	**0.441**
Regulatory Guidelines (Protection of Human Health)						
DTSC-SLi				NA	Various	0.36
EPA-RSLi				9.6	Various	3
Background for Arsenic				NA	NA	12

Notes:
Sample ID – soil boring identification
feet bgs – feet below the ground surface
OPP – organophosphorus pesticides analyzed in general accordance with EPA Method No. 8141A
OCP – organochlorine pesticides analyzed in general accordance with EPA Method No. 8091A
Arsenic analyzed in general accordance with EPA Method No. 6010B
mg/kg – milligrams per kilogram
DDE – dichlorodiphenyldichloroethylene
DTSC-SLi - California Department of Toxic Substances Control, Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA), Note 3, Screening Levels for industrial/commercial land use, dated April 2019
EPA-RSLi - Environmental Protection Agency (EPA), Regional Screening Levels for industrial/commercial land use, dated April 2019.
Background for Arsenic - California Department of Toxic Substances Control (DTSC), Final Report Background Metals at Los Angeles Unified School Sites – Arsenic: Supplement to the DTSC Preliminary Endangerment Assessment (PEA) for evaluating background concentrations of arsenic at Los Angeles Unified School District (LAUSD) school sites, dated June 6, 2005
NA - not appliable/not available

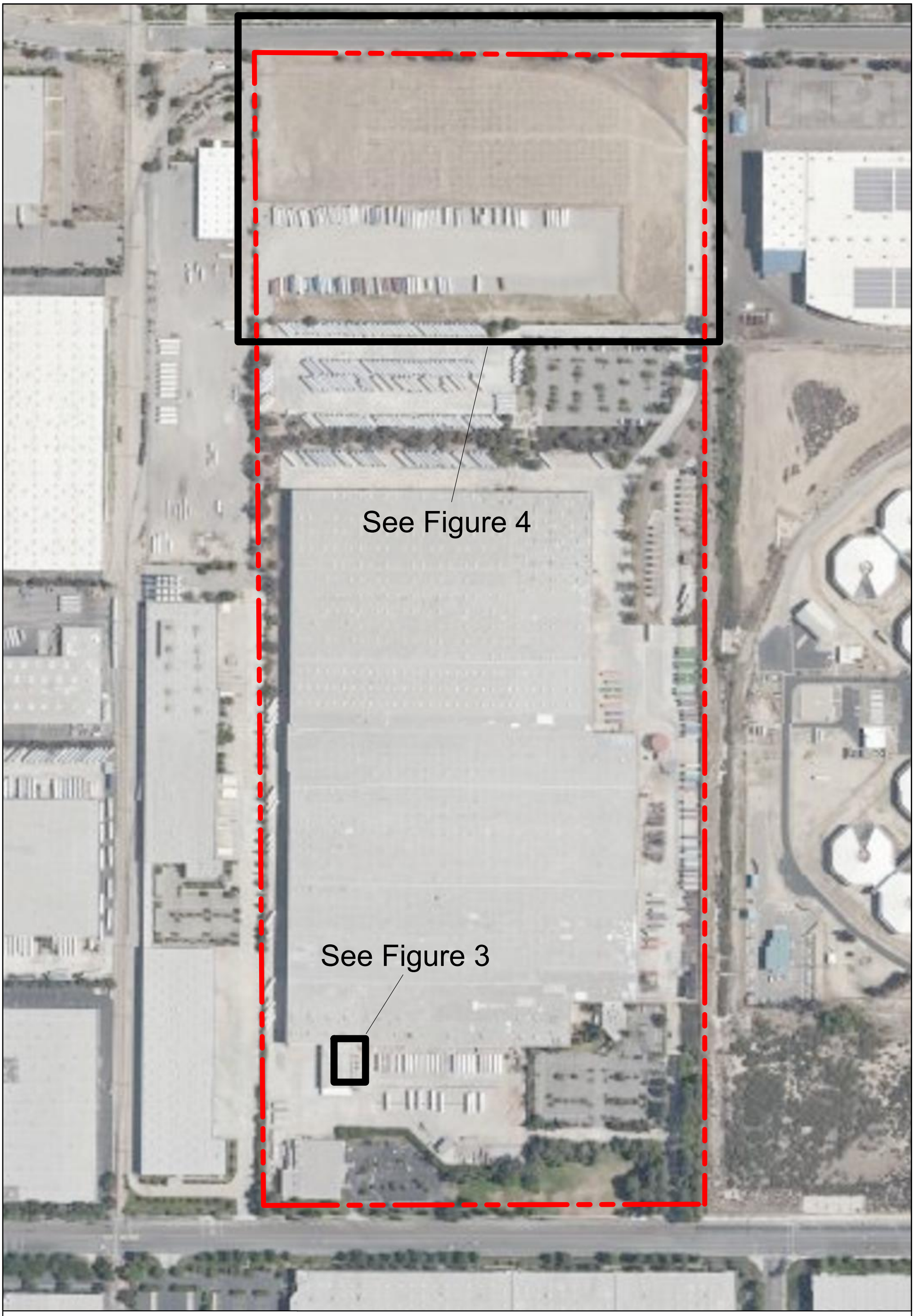


Source: United States Geological Survey (USGS) 7.5 minute series, Rancho Cucamonga, California, Topographic Quadrangle Map dated 2012

N

0 Miles 0.25 0.5 1 1.5

ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. 101125003	SITE LOCATION MAP	FIGURE 1
	DATE 10/19	12322 AND 12434 EAST 4TH STREET RANCHO CUCAMONGA, CALIFORNIA	



LEGEND

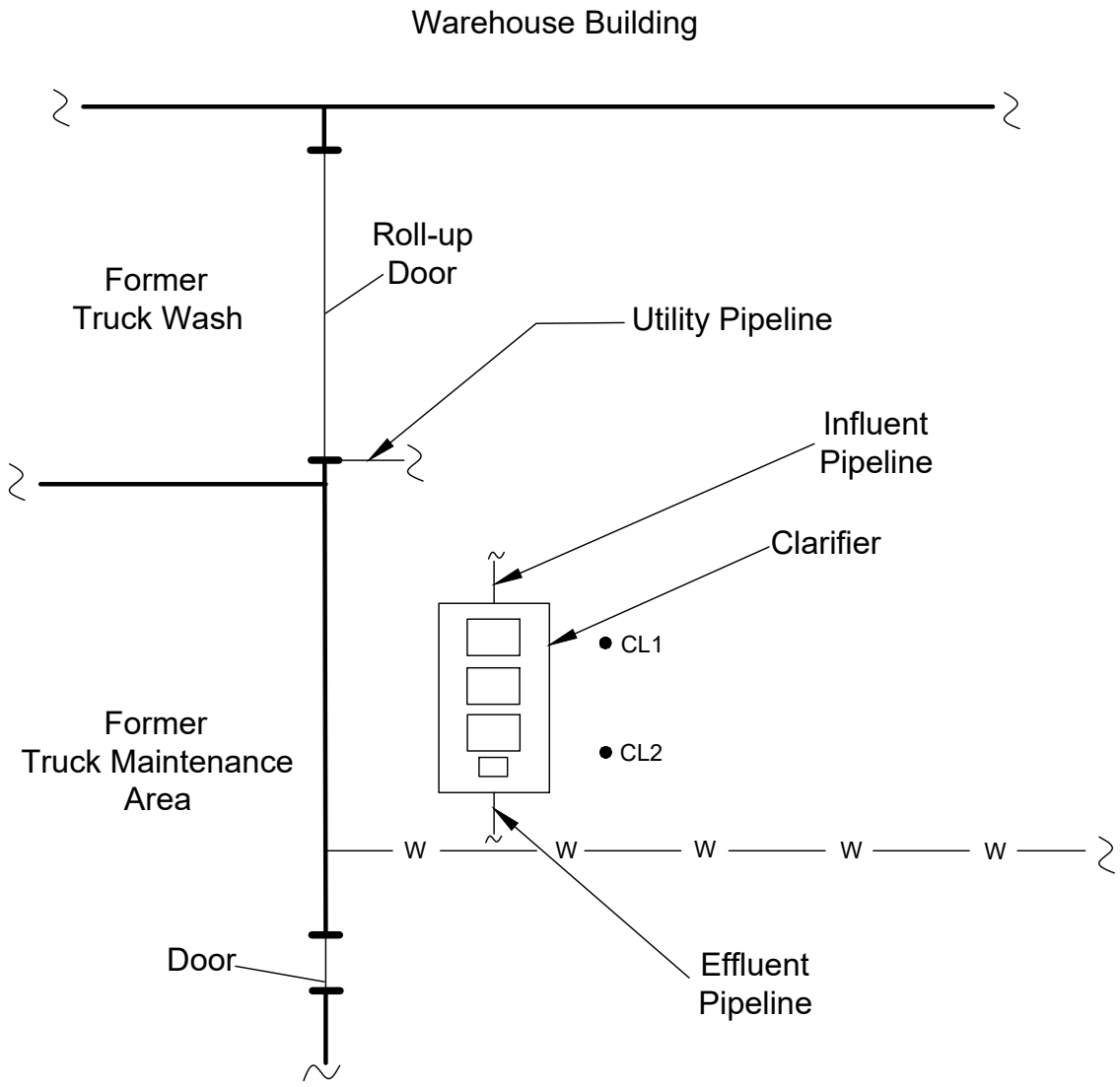
Approximate Property Boundary

N

Approximate Scale, Feet

0 250 500

ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. **101125003**	SITE PLAN	FIGURE **2**
	DATE **10/19**	12322 AND 12434 EAST 4TH STREET RANCHO CUCAMONGA, CALIFORNIA	



N

APPROXIMATE SCALE, FEET

0 10 20

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

● CL1 Soil Boring Location and Designation

—W— Water Pipeline

ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. **101125003**	CLARIFIER SAMPLING	FIGURE **3**
	DATE **10/19**	12322 AND 12434 EAST 4TH STREET RANCHO CUCAMONGA, CALIFORNIA	

ARDENT ENVIRONMENTAL GROUP, INC.

PROJECT NO. 101125003	AGRICULTURAL SAMPLING	FIGURE 4
DATE 10/19	12322 AND 12434 EAST 4TH STREET RANCHO CUCAMONGA, CALIFORNIA	

ATTACHMENT A

BORING LOGS

BORING LOG EXPLANATION SHEET

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/ FOOT	SAMPLE ID	ORGANIC VAPORS (ppm)	SYMBOL	CLASSIFICATION U.S.C.C.	
0								Bulk sample.
								Modified split-barrel drive sampler.
								No recovery with modified split-barrel drive sampler.
								Continuous push 2.25-inch O.D. (1.5-inch I.D.) sampler.
								No recovery with a continuous push sampler.
5			XX/XX					Continuous push 1.5-inch O.D. (1.0-inch I.D.) sampler.
								Hand auger or logged soil cuttings.
10								
							SM	ALLUVIUM: Solid line denotes actual change.
								Dashed line denotes approximate change.
15								Groundwater encountered during drilling.
								Groundwater measured after drilling.
20								The total depth line is a solid line that is drawn at the bottom of the boring

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BORING LOG

EXPLANATION OF BORING LOG SYMBOLS

PROJECT NO.	DATE	FIGURE

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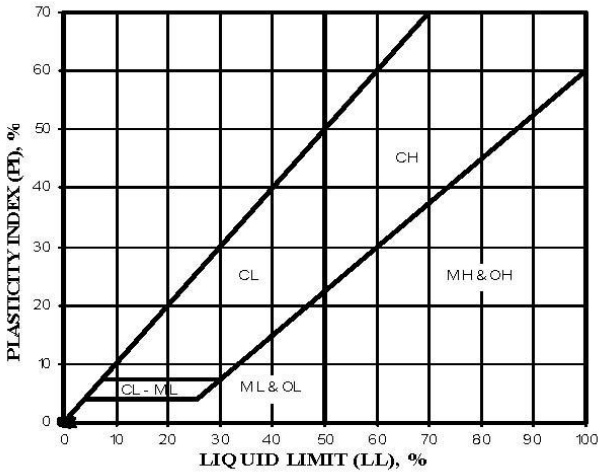
U.S.C.S. METHOD OF SOIL CLASSIFICATION

MAJOR DIVISIONS		SYMBOL	TYPICAL NAMES
COARSE-GRAINED SOILS (More than 1/2 of soil > No. 200 sieve size)	**GRAVELS (More than 1/2 of coarse fraction > No. 4 sieve size)**	GW	Well graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS (More than 1/2 of coarse fraction < No. 4 sieve size)	SW	Well graded sands or gravelly sands, little or no fines
		SP	Poorly graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS (More than 1/2 of soil < No. 200 sieve size)	**SILTS & CLAYS Liquid limit < 50**	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fined sands or clayey silts
		CL	Inorganic clays of low to medium plasticity gravelly clays, sandy clays, silty clays, lean
		OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS Liquid limit > 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 silty clays, organic silts
HIGHLY ORGANIC SOILS		PT	Peat and other highly organic soils

GRAIN SIZE CHART

CLASSIFICATION	RANGE OF GRAIN SIZE	
	U.S. Standard Sieve Size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL Coarse Fine	3" to No. 4 3" to 3/4" 3/4" to No. 4	76.2 to 4.76 73.2 to 19.1 19.1 to 4.76
SAND Coarse Medium Fine	No. 4 to No. 200 No. 4 to No. 10 No. 10 to No. 40 No. 40 to No. 200	4.76 to 0.075 4.76 to 2.00 2.00 to 0.420 0.420 to 0.075
Silt & Clay	Below No. 200	Below 0.075

PLASTICITY



Ardent Environmental Group, Inc.
1827 Capital Street, Suite 103
Corona, California 92880
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CL1

CLIENT Bridge Acquisition, LLC
PROJECT NAME Big Lots
PROJECT NUMBER 101125003
PROJECT LOCATION 12434 East 4th Street, Rancho Cucamonga, CA
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25-inches
DRILLING CONTRACTOR Core Probe International
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Matthew Penksaw **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.3	4 inches CONCRETE.
					(SM) Dark yellowish brown (10 YR 4/2), moist, silty fine SAND, no petroleum hydrocarbon odor or staining noted.
5	CL1-5	0.0	SM		
					Becomes moderate yellowish brown (10 YR 5/4) at 7 feet.
10	CL1-10	0.0		11.0	
			SW		(SW) Moderate yellowish brown (10 YR 5/4), moist, fine to coarse SAND with trace fine gravel, no petroleum hydrocarbon odor or staining noted.
				13.0	
			SM		(SM) Moderate yellowish brown (10 YR 5/4), moist, silty fine SAND, no petroleum hydrocarbon odor or staining noted.
15	CL1-15	0.0		15.0	

- No groundwater encountered.
- Bottom of borehole at 15.0 feet.

Ardent Environmental Group, Inc.
1827 Capital Street, Suite 103
Corona, California 92880
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER CL2

CLIENT Bridge Acquisition, LLC
PROJECT NAME Big Lots
PROJECT NUMBER 101125003
PROJECT LOCATION 12434 East 4th Street, Rancho Cucamonga, CA
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
GROUND ELEVATION _____ **HOLE SIZE** 2.25-inches
DRILLING CONTRACTOR Core Probe International
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Matthew Penksaw **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.5	6 inches CONCRETE.
			SM		(SM) Dark yellowish brown (10 YR 4/2), moist, silty fine SAND, no petroleum hydrocarbon odor or staining noted.
5	CL2-5	0.0			
					Becomes moderate yellowish brown (10 YR 5/4) at 8 feet.
				9.0	
			SW		(SW) Moderate yellowish brown (10 YR 5/4), moist, fine to coarse SAND with trace fine gravel, no petroleum hydrocarbon odor or staining noted.
10	CL2-10	0.0		10.0	
			SM		(SM) Moderate yellowish brown (10 YR 5/4), moist, silty fine SAND, no petroleum hydrocarbon odor or staining noted.
15	CL2-15	0.0		15.0	

- No groundwater encountered.
- Bottom of borehole at 15.0 feet.

ATTACHMENT B

LABORATORY REPORTS

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: September 11, 2019

Mr. Paul Roberts
Ardent Environmental Group, Inc.
1827 Capital Street, #103
Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

Project: **101125003**
Lab I.D.: **190904-37 through -62**

Dear Mr. Roberts:

The **analytical results** for the soil samples, received by our laboratory on September 4, 2019, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C6-C12	C13-C22	C23-C32	DF
CL1-10	190904-38	ND	ND	ND	1
CL2-10	190904-41	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS
C6-C12 = GASOLINE RANGE
C13-C22 = DIESEL RANGE
C23-C32 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 9/5/2019 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **190904-2 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	200	212	**106%**	203	**102%**	**4%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	196	**98%**	**75-125**

Analyzed and Reviewed By: aj

Final Reviewer: @

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX: SOIL
SAMPLING DATE: 09/04/19
REPORT TO: MR. PAUL ROBERTS

DATE RECEIVED: 09/04/19
DATE ANALYZED: 09/05/19
DATE REPORTED: 09/11/19

SAMPLE I.D.: **CL1-10**
LAB I.D.: 190904-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX: SOIL
SAMPLING DATE: 09/04/19
REPORT TO: MR. PAUL ROBERTS

DATE RECEIVED: 09/04/19
DATE ANALYZED: 09/05/19
DATE REPORTED: 09/11/19

SAMPLE I.D.: **CL1-10** LAB I.D.: 190904-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX: SOIL
SAMPLING DATE: 09/04/19
REPORT TO: MR. PAUL ROBERTS

DATE RECEIVED: 09/04/19
DATE ANALYZED: 09/05/19
DATE REPORTED: 09/11/19

SAMPLE I.D.: **CL2-10**
LAB I.D.: 190904-41

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS
DATE RECEIVED:09/04/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **CL2-10** LAB I.D.: 190904-41

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX: SOIL
SAMPLING DATE: 09/04/19
REPORT TO: MR. PAUL ROBERTS
DATE RECEIVED: 09/04/19
DATE ANALYZED: 09/04/19
DATE REPORTED: 09/11/19

METHOD BLANK REPORT FOR LAB I.D.: 190904-38, -41

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS
DATE RECEIVED:09/04/19
DATE ANALYZED:09/04/19
DATE REPORTED:09/11/19

METHOD BLANK REPORT FOR LAB I.D.: 190904-38, -41

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 9/4-5/2019 **Matrix:** Solid/Soil/Liquid
Machine: C **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 190904-73 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.038	76%	0.042	84%	8%	75-125	0-20
Chlorobenzene	0	0.050	0.041	82%	0.044	88%	6%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.040	79%	0.041	82%	3%	75-125	0-20
Toluene	0	0.050	0.039	78%	0.042	84%	6%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.039	78%	0.042	84%	6%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.050	100%	75-125
Chlorobenzene	0.050	0.056	112%	75-125
Chloroform	0.050	0.052	104%	75-125
1,1-Dichlorothene	0.050	0.054	108%	75-125
Ethylbenzene	0.050	0.057	114%	75-125
o-Xylene	0.050	0.055	110%	75-125
m,p-Xylene	0.100	0.114	114%	75-125
Toluene	0.050	0.051	102%	75-125
1,1,1-Trichloroethane	0.050	0.053	106%	75-125
Trichloroethene (TCE)	0.050	0.052	104%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	190904-2	190904-3	190904-4	190904-5	190904-6	190904-7
Dibromofluoromethane	50.0	70-130	105%	112%	111%	112%	112%	114%	117%
Toluene-d8	50.0	70-130	97%	95%	96%	99%	98%	96%	953%
4-Bromofluorobenzene	50.0	70-130	98%	100%	102%	100%	101%	100%	99%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			190904-8	190904-9	190904-10	190904-11	190904-38	190904-41	190904-65
Dibromofluoromethane	50.0	70-130	114%	117%	114%	112%	119%	116%	119%
Toluene-d8	50.0	70-130	98%	98%	97%	98%	98%	98%	94%
4-Bromofluorobenzene	50.0	70-130	99%	98%	99%	99%	100%	101%	95%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			190904-73	190904-31	190904-32	190904-33			
Dibromofluoromethane	50.0	70-130	117%	110%		112%			
Toluene-d8	50.0	70-130	100%	100%		101%			
4-Bromofluorobenzene	50.0	70-130	101%	97%		97%			

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**
MATRIX: SOIL
SAMPLING DATE: 09/04/19
REPORT TO: MR. PAUL ROBERTS
DATE RECEIVED: 09/04/19
DATE ANALYZED: 09/06/19
DATE REPORTED: 09/11/19

EPA 6010B FOR TTLC-ARSENIC
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	ARSENIC RESULT	DF
AG2	190904-44	0.485	1
AG5	190904-47	0.595	1
AG10	190904-52	0.568	1
AG13	190904-55	0.551	1
AG18	190904-60	0.441	1
Method Blank	---	ND	1
	PQL	0.30	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for Arsenic = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 500 PPM, therefore the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 9/6/2019 — **Unit : mg/Kg(ppm)**

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	190905-22	50.0	102	PASS	1.90	50.0	44.2	85%	44.4	85%	0%
Lead(Pb)	190905-22	50.0	107	PASS	1.91	50.0	42.0	80%	42.2	81%	0%
Nickel(Ni)	190905-22	50.0	101	PASS	5.98	50.0	49.9	88%	50.5	89%	1%

ANALYSIS DATE. : 9/6/2019

Analysis	Spk.Sample ID	LCS CONC.	%Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	190905-35	0.125	99	PASS	0	0.125	0.111	89%	0.110	88%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Nickel(Ni)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 1 (AG1/AG2/AG3/AG4 Composite)**
LAB I.D.: 190904-43/44/45/46 (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 2 (AG5/AG6/AG7/AG8 Composite)**
LAB I.D.: 190904-47/48/49/50 (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 3 (AG9/AG10/AG11/AG12 Composite)**
LAB I.D.: 190904-51/52/53/54 (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 4 (AG13/AG14/AG15/AG16 Composite)**
LAB I.D.: 190904-55/56/57/58 (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 5 (AG17/AG18/AG19/AG20 Composite)**
LAB I.D.: 190904-59/60/61/62 (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

METHOD BLANK REPORT FOR LAB I.D.: 190904-43/44/45/46 (COMPOSITE), 190904-47/48/49/50(COMPOSITE), 190904-51/52/53/54 (COMPOSITE), 190904-55/56/57/58(Composite), 190904-59/60/61/62(Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8141A QA/QC Report

Matrix: **Solid/Soil/Sludge/Liquid** Date Analyzed: 9/5-6/2019

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 190904-43~46 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Ethoprop	0.00	0.250	0.311	**124%**	0.307	**123%**	**1%**	**0-30%**	**40-140**
Phorate	0.00	0.250	0.298	**119%**	0.291	**116%**	**2%**	**0-30%**	**40-140**
Ronnel	0.00	0.250	0.323	**129%**	0.317	**127%**	**2%**	**0-30%**	**40-140**
Bolstar	0.00	0.250	0.297	**119%**	0.283	**113%**	**5%**	**0-30%**	**40-140**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Ethoprop	0.250	0.311	**124%**	**40-140**
Phorate	0.250	0.302	**121%**	**40-140**
Ronnel	0.250	0.320	**128%**	**40-140**
Bolstar	0.250	0.299	**120%**	**40-140**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		M-BLK	190904-43~46	190904-47~50	190904-51~54	190904-55~58	190904-59~62	
Tributyl Phosphate	40-140	129%	131%	120%	122%	119%	117%	
Triphenyl Phosphate	40-140	107%	132%	111%	117%	111%	110%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tributyl Phosphate								
Triphenyl Phosphate								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tributyl Phosphate						
Triphenyl Phosphate						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/06/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 1 (AG1/AG2/AG3/AG4 Composite)**
LAB I.D.: 190904-43/44/45/46 (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	4
alpha-BHC	ND	0.001	4
beta-BHC	ND	0.001	4
gamma-BHC (Lindane)	ND	0.001	4
delta-BHC	ND	0.001	4
alpha-Chlordane	ND	0.001	4
gamma-Chlordane	ND	0.001	4
Total Chlordane (Technical)	ND	0.005	4
4,4'-DDD	ND	0.001	4
4,4'-DDE	0.023	0.001	4
4,4'-DDT	ND	0.001	4
Dieldrin	ND	0.001	4
Endosulfan I	ND	0.001	4
Endosulfan II	ND	0.001	4
Endosulfan Sulfate	ND	0.001	4
Endrin	ND	0.001	4
Endrin Aldehyde	ND	0.001	4
Endrin Ketone	ND	0.001	4
Heptachlor Epoxide	ND	0.001	4
Heptachlor	ND	0.001	4
Methoxyclor	ND	0.001	4
Toxaphene	ND	0.020	4

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #103, Corona, CA 92880
Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/06/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 2 (AG5/AG6/AG7/AG8 Composite)**
LAB I.D.: 190904-47/48/49/50 (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	5
alpha-BHC	ND	0.001	5
beta-BHC	ND	0.001	5
gamma-BHC (Lindane)	ND	0.001	5
delta-BHC	ND	0.001	5
alpha-Chlordane	ND	0.001	5
gamma-Chlordane	ND	0.001	5
Total Chlordane (Technical)	ND	0.005	5
4,4'-DDD	ND	0.001	5
4,4'-DDE	0.021	0.001	5
4,4'-DDT	ND	0.001	5
Dieldrin	ND	0.001	5
Endosulfan I	ND	0.001	5
Endosulfan II	ND	0.001	5
Endosulfan Sulfate	ND	0.001	5
Endrin	ND	0.001	5
Endrin Aldehyde	ND	0.001	5
Endrin Ketone	ND	0.001	5
Heptachlor Epoxide	ND	0.001	5
Heptachlor	ND	0.001	5
Methoxyclor	ND	0.001	5
Toxaphene	ND	0.020	5

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/06/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 3 (AG9/AG10/AG11/AG12 Composite)**
LAB I.D.: 190904-51/52/53/54 (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	2
alpha-BHC	ND	0.001	2
beta-BHC	ND	0.001	2
gamma-BHC (Lindane)	ND	0.001	2
delta-BHC	ND	0.001	2
alpha-Chlordane	ND	0.001	2
gamma-Chlordane	ND	0.001	2
Total Chlordane (Technical)	ND	0.005	2
4,4'-DDD	ND	0.001	2
4,4'-DDE	0.007	0.001	2
4,4'-DDT	ND	0.001	2
Dieldrin	ND	0.001	2
Endosulfan I	ND	0.001	2
Endosulfan II	ND	0.001	2
Endosulfan Sulfate	ND	0.001	2
Endrin	ND	0.001	2
Endrin Aldehyde	ND	0.001	2
Endrin Ketone	ND	0.001	2
Heptachlor Epoxide	ND	0.001	2
Heptachlor	ND	0.001	2
Methoxyclor	ND	0.001	2
Toxaphene	ND	0.020	2

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:_____
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PROJECT: **101125003**

MATRIX: SOIL
SAMPLING DATE: 09/04/19
REPORT TO: MR. PAUL ROBERTS

DATE RECEIVED: 09/04/19
DATE EXTRACTED: 09/05/19
DATE ANALYZED: 09/06/19
DATE REPORTED: 09/11/19

SAMPLE I.D.: **Composite 4 (AG13/AG14/AG15/AG16 Composite)**
LAB I.D.: 190904-55/56/57/58 (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	2
alpha-BHC	ND	0.001	2
beta-BHC	ND	0.001	2
gamma-BHC (Lindane)	ND	0.001	2
delta-BHC	ND	0.001	2
alpha-Chlordane	ND	0.001	2
gamma-Chlordane	ND	0.001	2
Total Chlordane (Technical)	ND	0.005	2
4,4'-DDD	ND	0.001	2
4,4'-DDE	0.004	0.001	2
4,4'-DDT	ND	0.001	2
Dieldrin	ND	0.001	2
Endosulfan I	ND	0.001	2
Endosulfan II	ND	0.001	2
Endosulfan Sulfate	ND	0.001	2
Endrin	ND	0.001	2
Endrin Aldehyde	ND	0.001	2
Endrin Ketone	ND	0.001	2
Heptachlor Epoxide	ND	0.001	2
Heptachlor	ND	0.001	2
Methoxyclor	ND	0.001	2
Toxaphene	ND	0.020	2

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/06/19
DATE REPORTED:09/11/19

SAMPLE I.D.: **Composite 5 (AG17/AG18/AG19/AG20 Composite)**
LAB I.D.: 190904-59/60/61/62 (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	5
alpha-BHC	ND	0.001	5
beta-BHC	ND	0.001	5
gamma-BHC (Lindane)	ND	0.001	5
delta-BHC	ND	0.001	5
alpha-Chlordane	ND	0.001	5
gamma-Chlordane	ND	0.001	5
Total Chlordane (Technical)	ND	0.005	5
4,4'-DDD	ND	0.001	5
4,4'-DDE	0.024	0.001	5
4,4'-DDT	ND	0.001	5
Dieldrin	ND	0.001	5
Endosulfan I	ND	0.001	5
Endosulfan II	ND	0.001	5
Endosulfan Sulfate	ND	0.001	5
Endrin	ND	0.001	5
Endrin Aldehyde	ND	0.001	5
Endrin Ketone	ND	0.001	5
Heptachlor Epoxide	ND	0.001	5
Heptachlor	ND	0.001	5
Methoxyclor	ND	0.001	5
Toxaphene	ND	0.020	5

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: PRoberts@ArdentEnv.com

PROJECT: **101125003**

MATRIX:SOIL
SAMPLING DATE:09/04/19
REPORT TO:MR. PAUL ROBERTS

DATE RECEIVED:09/04/19
DATE EXTRACTED:09/05/19
DATE ANALYZED:09/05/19
DATE REPORTED:09/11/19

METHOD BLANK REPORT FOR LAB I.D.: 190904-43/44/45/46 (COMPOSITE), 190904-47/48/49/50(COMPOSITE), 190904-51/52/53/54 (COMPOSITE), 190904-55/56/57/58(Composite), 190904-59/60/61/62(Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)** Date Analyzed: 9/5-6/2019

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 190903-1 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00524	**105%**	0.00532	**106%**	**2%**	**0-20%**	**70-130**
Aldrin	0.000	0.00500	0.00548	**110%**	0.00552	**110%**	**1%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.00500	0.00562	**112%**	0.00556	**111%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00541	**108%**	**75-125**
Aldrin	0.00500	0.00563	**113%**	**75-125**
4,4-DDE	0.00500	0.00580	**116%**	**75-125**
Dieldrin	0.00500	0.00535	**107%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	190904-12A&B	190904-13A&B	190904-14A&B	190904-15A&B	190903-1	190904-43~46
Tetra-chloro-meta-xylene	50-150	108%	104%	115%	112%	108%	109%	101%
Decachlorobiphenyl	50-150	95%	85%	87%	89%	83%	87%	92%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		190904-47~50	190904-51~54	190904-55~58	190904-59~62			
Tetra-chloro-meta-xylene	50-150	112%	108%	112%	107%			
Decachlorobiphenyl	50-150	97%	91%	95%	92%			

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc C6-C32	VOCs 8260	OCP 3081A	OPP 3141A	Arsenic 6010B	Hold	COMMENTS
CL1-5	190904-37	9/4/19	845	Soil	1	402 Tw	No						X	
CL1-10	-38		550		4	402 Tw (403)	Yes	X	X					
CL1-15	-39		900		1		No						X	
CL2-5	-40		910		1		No						X	
CL2-10	-41		920		4		Yes	X	X					
CL2-15	-42		930		1		No						X	
AG1	-43		N/A		1					X	X			Composite 1 = AG1, AG2, AG3 AG4
AG2 (Composite 1)	-44				1							X		
AG3 (Composite 1)	-45				1									
AG4 (Composite 1)	-46				1									
AG5	-47				1					X	X			Composite 2 = AG5, AG6, AG7 AG8
AG6 (Composite 2)	-48				1							X		
AG7 (Composite 2)	-49				1									
AG8 (Composite 2)	-50				1									
AG9 (Composite 3)	-51				1					X	X			Composite 3 = AG9, AG10, AG11, AG12

Analysis Required

Misc./PO#

Company Name: Ardent Environmental Group.
Address: 1827 Capital Street, #108
City/State/Zip: Corona. CA 92880

Project Contact: Paul Roberts
Tel: 951-736-5334
Fax/Email:

Sampler's Signature: Matthew RenkDaw
Project Name/ID: 101125003

Relinquished by: Matthew RenkDaw	Received by: Jessica L	Date & Time: 9/4/19 1342
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 9/4/19

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: OCP 8081A	Analysis Required: OPP 8141A	Analysis Required: Arsenic	COMMENTS
AG10 – Composite 3	190904-52	9/4/19	N/A	Soil	1		No	X	X	X	
AG11	-53	"	"	"	"		"				
AG12	-54	"	"	"	"		"				
AG13	-55	"	"	"	"		"	X	X	X	
AG14 – Composit 4	-56	"	"	"	"		"				Composit 4 = AG13, AG14, AG15, AG16
AG15	-57	"	"	"	"		"				
AG16	-58	"	"	"	"		"				
AG17	-59	"	"	"	"		"				
AG18 – Composit 5	-60	"	"	"	"		"	X	X	X	Composit 5 = AG13, AG14, AG15, AG16
AG19	-61	"	"	"	"		"				
AG20	-62	"	"	"	"		"				

Misc./PO#

Company Name: Ardent Environmental Group.
Address: 1827 Capital street. #108
City/State/Zip: Corona. CA 92880

Project Contact: Paul Roberts
Tel:
Fax/Email:

Sampler's Signature: Matthew Penkusaw
Project Name/ID: 10112S003

Relinquished by: Matthew Penkusaw	Received by: Jessica	9/4/19 Date & Time: 1342	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT