

April 29, 2021

Mr. Trevor McKune  
Associate Risk Manager  
*sent via email* [TMckune@panattoni.com](mailto:TMckune@panattoni.com)

Panattoni Development Company, Inc.  
7887 E. Belleview Ave., Suite 475  
Denver, CO 80111

**Re: Limited Phase II Site Investigation  
6382 Phillip Road  
Roseville, California 95747  
ATC Project No.: NPPAN21029**

Dear Mr. McKune:

ATC Group Services LLC (ATC) has prepared this letter report for Panattoni Development Company Inc. (Panattoni) to present the results of the limited Phase II Site Investigation at the site located at 6382 Phillip Road in Roseville, California (Subject Property) (**Figure 1**). The purpose of this investigation was to provide an evaluation of potential environmental impacts to shallow soil from the historical orchards and potential application of herbicides and pesticides at in the eastern portion of the Subject Property.

#### **PROJECT BACKGROUND**

ATC understands that Panattoni plans to develop the Subject Property at 6382 Phillip Road in Roseville, California. Preliminary results of a Phase I ESA indicated the eastern portion of the Subject Property (undeveloped land) was depicted as an orchard on an aerial photographs dated 1937 and 1947. ATC conducted soil sampling of a 2-acre area on the east side of the Subject Property, just south of the Pleasant Grove Creek that was depicted as part of an orchard on aerial photographs dated 1937 and 1947.

#### **JOB SETUP AND PREPARATION**

ATC prepared a site-specific health and safety plan (HASP) prior to the commencement of fieldwork as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120), and by the California Occupational Health and Safety Administration (Cal-OSHA) "Hazardous Waste Operations and Emergency Response" guidelines (CCR Title 8, Section 5192). The HASP was kept at the job site at all times and was reviewed by the field staff before commencing field operations at the site.

Permits were not required for conducting this scope of work.

## FIELD WORK

### Soil Sampling

On April 2, 2021, ATC collected soil samples at four locations on the Subject Property.

Samples were collected using hand tools and contained in clean metal tubes. Once retrieved, soil samples were labeled, placed in a cooler with ice, and chilled to approximately 4° C pending transport to the analytical laboratory. Each location was then loosely backfilled with surrounding soil and spoils. No investigation derived waste (IDW) was generated during the activities.

Samples were collected at 1 foot below ground surface (bgs) and 2.5 feet bgs except for SB-4 where refusal was encountered at 1.5 feet bgs. The 2.5 foot sample was not analyzed.

Sample locations are shown on **Figure 2**. The field notes are included in **Attachment 1**.

### Laboratory Analysis

The collected soil samples were submitted to BC Laboratories of Bakersfield, California, a California state-certified laboratory under standard chain-of-custody protocol.

The composited soil samples were analyzed for organochlorine pesticides by Environmental Protection Agency (EPA) Method 8081A, organophosphorus pesticides by EPA method 8141A, chlorinated herbicides by EPA Method 8151A, and arsenic and lead by EPA Method 6010B.

Copies of the laboratory reports are included in **Attachment 2**.

## LABORATORY ANALYTICAL RESULTS

Provided below is a summary of the reported laboratory analytical results of the samples collected during the investigation.

### Organochlorine Pesticides

- No organochlorine pesticides were detected above the respective reporting limits in any of the four samples collected.

### Organo-Phosphorous Pesticides

- No organo-phosphorus pesticides were detected above the respective reporting limits in any of the four samples collected.

### Chlorinated Herbicides

- No chlorinated herbicides were detected above the respective reporting limits in any of the four samples collected.

### Arsenic

- Arsenic was detected above the respective reporting limits in all four soil samples from SB-1 through SB-4 at concentrations ranging from 2.6 milligram per kilogram (mg/kg) to 3.7 mg/kg.

### Lead

- Lead was detected above the respective reporting limits in all four soil samples from SB-1 through SB-4 at concentrations ranging from 3.5 mg/kg to 6.3 mg/kg.

Laboratory analytical data for detected constituents are summarized in **Table 1**.

## **COMPARISON TO APPLICABLE SCREENING LEVELS**

For the purpose of this investigation, ATC compared laboratory analytical data to the following applicable health-based screening levels.

### Health-Based Screening Levels

- San Francisco Bay- Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESL), July 2019 (Rev. 2), Table S-1, Direct Exposure Human Health Risk Levels; Residential and Commercial, Shallow Soil Exposure.

The respective ESLs for detected constituents are presented on **Table 1**. A summary comparison of the laboratory analytical results to the applicable health-based screening levels is provided below:

- Arsenic - All of the samples with detected arsenic had concentrations that exceeded both the Tier 1 ESL and the human health based Commercial ESL.
- Lead – All of the samples with detected lead had concentrations that exceeded the Tier 1 ESL, but not the human health based Commercial ESL.

Arsenic and lead were detected in soil at concentrations that are generally consistent with background levels for these naturally-occurring elements. Arsenic and lead were detected in soil at concentrations in excess of Tier 1 ESL values. Arsenic occurs naturally in California soils at concentrations in excess of Tier 1 and health-based Commercial ESLs. While a site-specific background concentration of arsenic for the project area has not been established, as measured by the U.S. Geological Survey (USGS), arsenic background in California soils that are not impacted by anthropogenic sources (N=72) range from 0.3 to 69 mg/kg with a mean of 6.6 mg/kg (Dragun and Chiasson 1991). Bradford et al. (1996) report background concentrations of arsenic and lead in 50 California soils collected from around the state in 1967. The overall range of arsenic across the state is between 0.6 and 11.0 mg/kg with a mean of 3.5 mg/kg. The overall range of lead across the state is between 12.4 and 97.1 mg/kg with a mean of 23.9 mg/kg. Of the nine soils collected closest to the Sacramento area, concentrations of arsenic range from 0.8 to 9.6 mg/kg with a mean of 3.7 mg/kg and concentrations of lead range from 12.4 to 34.3 mg/kg with a mean of 22.9 mg/kg.

None of the soil samples from the Subject Property contained arsenic or lead concentrations higher than these background levels. The lead concentrations detected in the soil samples

were greater than the Tier 1 ESL but below the Commercial ESL. Given that the arsenic concentrations ranged from 2.6 mg/kg to 3.7 mg/kg and the lead concentrations ranged from 3.5 mg/kg to 6.3 mg/kg, it is ATC's opinion that the above-referenced samples do not warrant segregation or removal under a commercial land use scenario, and therefore, no further investigation is warranted.

If you have any questions regarding this letter report, please contact our office at (209) 579-2221.

Sincerely,  
ATC Group Services LLC



Jeanne Homsey, PE  
Branch Manager  
[Jeanne.homsey@atcgs.com](mailto:Jeanne.homsey@atcgs.com)



Hillary Williams  
National Client Manager  
[Hillary.williams@atcgs.com](mailto:Hillary.williams@atcgs.com)

Attachments

Table 1: Summary of Soil Analytical Results – Pesticides, Herbicides, Arsenic & Lead

Figure 1: Site Vicinity Map

Figure 2: Site Plan

Attachment 1: Field Notes

Attachment 2: Laboratory Analytical Reports

**TABLE 1**  
**SUMMARY OF SOIL ANALYTICAL RESULTS - PESTICIDES, HERBICIDES, ARSENIC AND LEAD**  
**6382 Phillip Road, Roseville, California**  
 (Page 1 of 1)

Sample ID	Date Sampled	Organochlorine Pesticides*							Chlorinated Herbicides	Organo-Phosphorous Pesticide	Arsenic	Lead
		Chlordane	Heptachlor	Heptachlor Epoxide	4,4-DDD	4,4-DDE	4,4-DDT	Dieldrin				
SB-1-1'	04/02/21	<0.0010	<0.000086	<0.000017	<0.000064	<0.000095	<0.000040	<0.000036	ND	ND	3.3	6.3
SB-2-1'	04/02/21	<0.0010	<0.000086	<0.000017	<0.000064	<0.000095	<0.000040	<0.000036	ND	ND	3.7	5.2
SB-3-1'	04/02/21	<0.0010	<0.000086	<0.000017	<0.000064	<0.000095	<0.000040	<0.000036	ND	ND	2.8	7.0
SB-4-1'	04/02/21	<0.0010	<0.000086	<0.000017	<0.000064	<0.000095	<0.000040	<0.000036	ND	ND	2.6	3.5
<b>SFBRWQCB Tier I ESL<sup>[1]</sup></b>		0.0085	0.12	0.00018	2.7	0.33	0.0011	0.00046	--	--	0.067	0.32
<b>SFBRWQCB Commercial ESL<sup>[2]</sup></b>		2.2	0.53	0.28	12	8.3	8.5	0.16	--	--	0.31	320

**NOTES:**

All data reported in milligrams per kilogram (mg/kg).

Organochlorine Pesticides analyzed by EPA Method 8081A.

Organo-Phosphorous Pesticides analyzed by EPA Method 8141A

Chlorinated Herbicides analyzed by EPA Method 8151A

Arsenic and Lead analyzed by EPA Method 6010B.

\* Limited constituents are reported. See laboratory report for full list of constituents analysed.

< denotes not detected at or above the stated method detection limit.

ND denotes not detected at or above method detection limits. See laboratory report for individual detection limit.

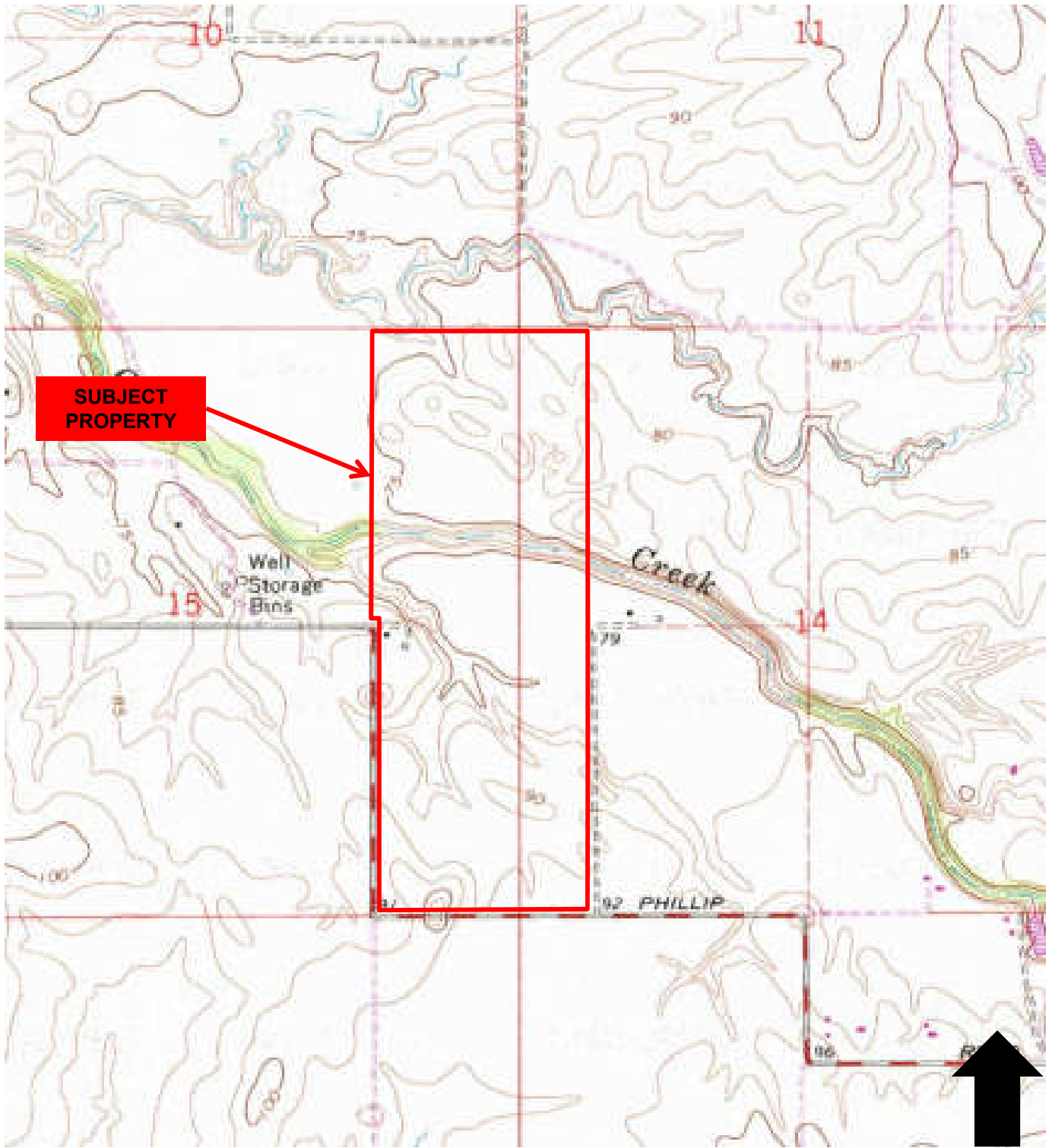
ESL - Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), July, 2019 (Rev 2).

<sup>[1]</sup> - Tier 1 ESLs for soil reflect the lower of values that are protective of human health under a residential land use scenario, ecological terrestrial habitats, and leaching to groundwater and surface water. These values are intended to be protective of human health, potential ecological exposures, groundwater, and surface water resources under any land use scenario.


<sup>[2]</sup> - Commercial soil ESLs are human health-based screening levels for Commercial Land Use. These values are intended to be protective of potential human exposures to shallow soil under a commercial land use scenario and do not consider potential ecological exposures, leaching to groundwater, or migration to surface water.

**xxx** Represents a detected concentration in excess of the Tier 1 ESL, but equal to or less than the chemical-specific Commercial Health-Based ESL

**xxx** Represents a detected concentration in excess of the Tier 1 ESL and Commercial Health-Based ESL

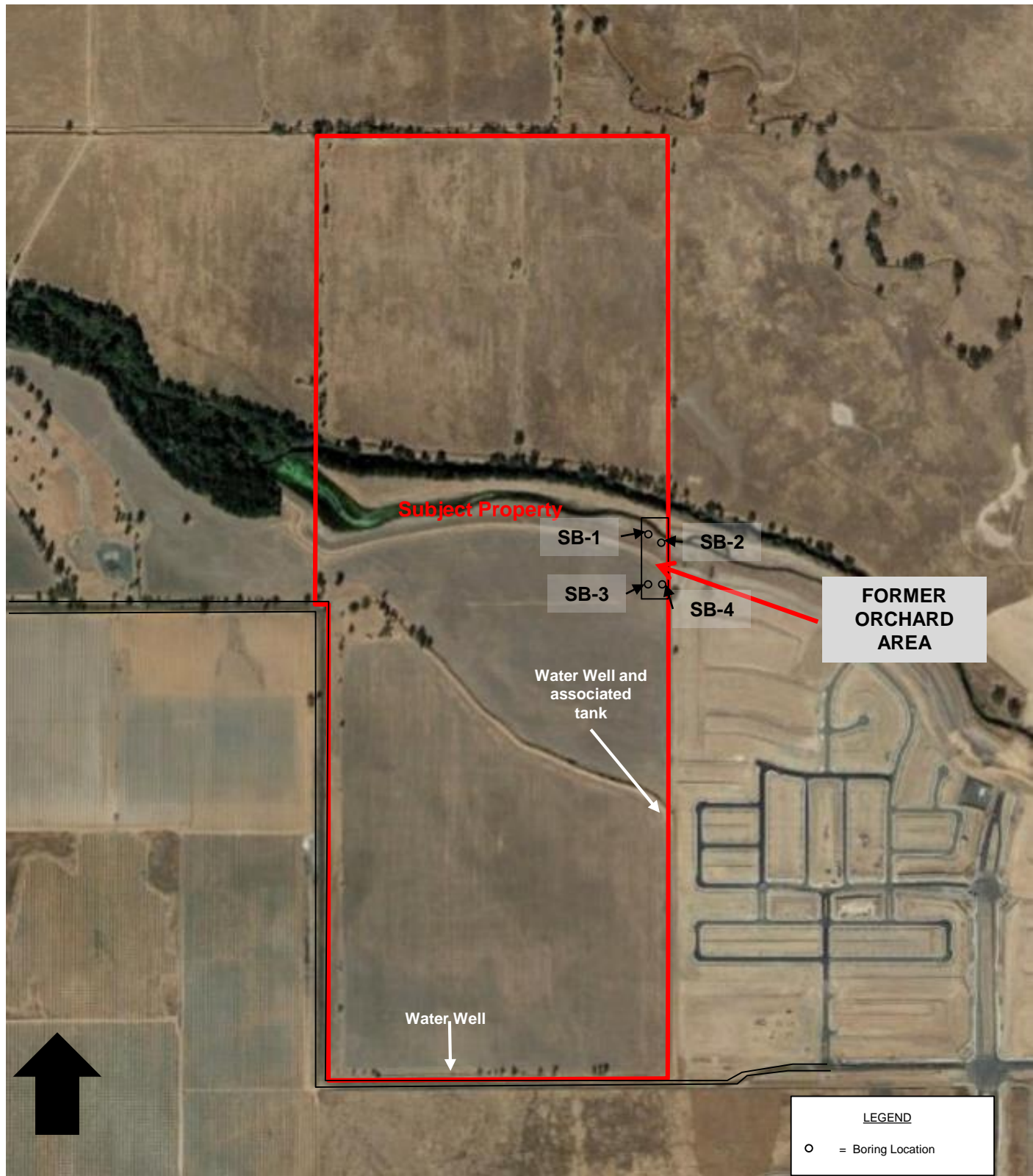


**SOURCE:** USGS Topographic Map, *Pleasant Grove, California* Quadrangle, 7.5 Minute Series, dated 1981 and *East Roseville, California* Quadrangle, 7.5 Minute Series, dated 1981.

 <b>ATC</b> <small>— AN ATLAS COMPANY —</small>	1117 Lone Palm Avenue, Suite 201b Modesto, California 95351 (209) 579-2221	
	PROJECT NO.: NPPAN21029	
	SCALE: 1:24000	REVIEWED BY: JH
DRAWN BY: JS	DATE: 03/2021	FILE: SITE VICINITY

**FIGURE 1  
SITE VICINITY MAP**

ROSEVILLE 183  
 6382 PHILLIP ROAD  
 ROSEVILLE, CALIFORNIA 95747



SOURCE: Google Earth, 2020

**ATC** 1117 Lone Palm Avenue, Suite 201b  
 Modesto, California 95351  
 —AN ATLAS COMPANY— (209) 579-2221

PROJECT NO.: NPPAN21029

	SCALE: N/A	REVIEWED BY: JH
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DRAWN BY: JS	DATE: 04/2021	FILE: SITE PLAN
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**FIGURE 2**  
**SITE PLAN**

ROSEVILLE 183  
 6382 PHILLIP ROAD  
 ROSEVILLE, CALIFORNIA 95747

# **ATTACHMENT 1**



ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

# Field Report

FLD-100

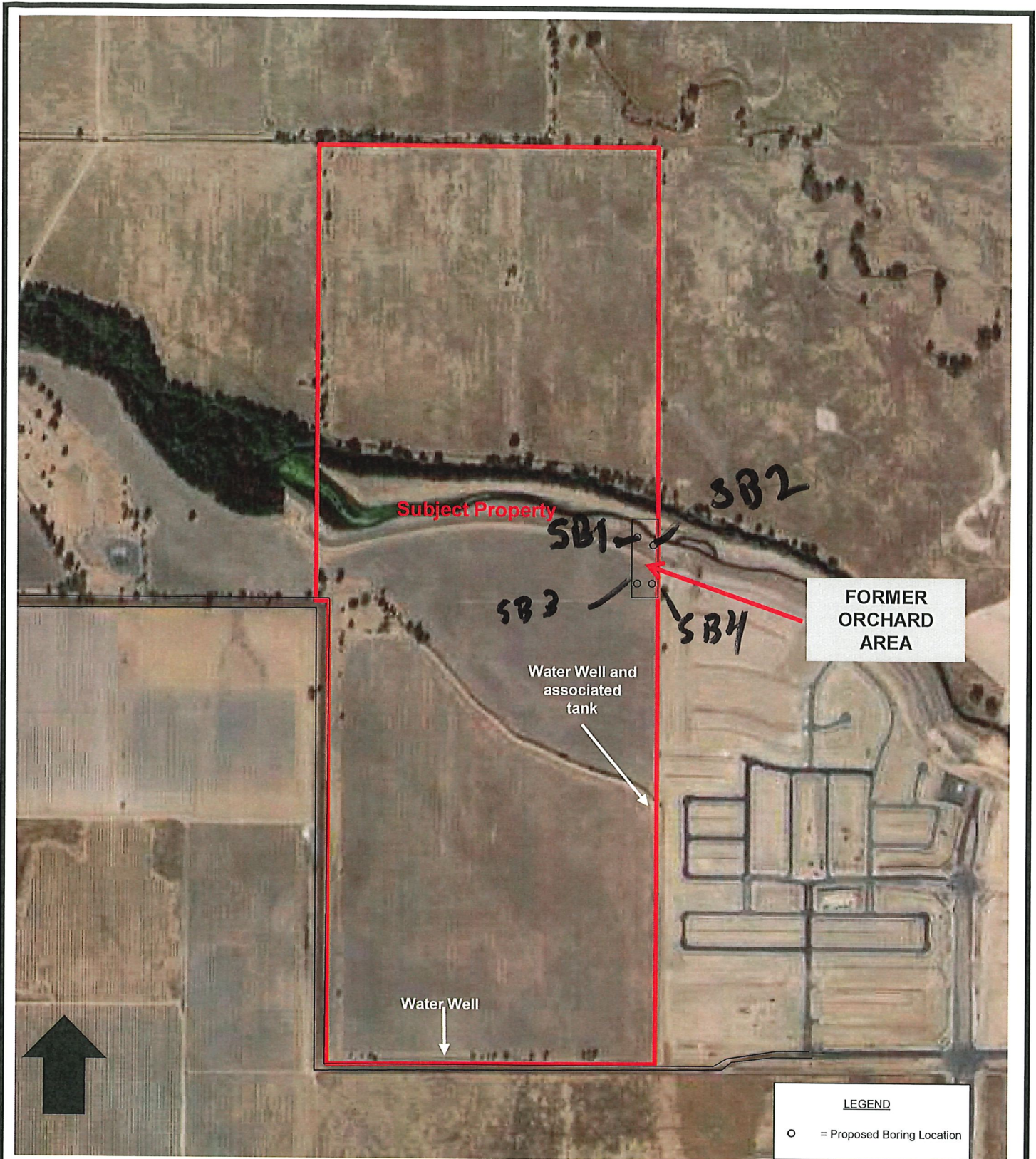
Revision 2.0

Feb-16

ATC Branch: Modesto, CA		Date: 4/2/21	Page 1 of 1
ATC Representative(s):		Project: <i>Ignatius 1B3</i>	
Role: Technician		Location: <i>Roseville</i>	
Contact Information:		Project No:	Task No: 06054
Scope of Work:		Weather: <i>Sunny</i>	Temperature: <i>70.5</i>
<input type="checkbox"/> Monitoring <input type="checkbox"/> Assessment <input type="checkbox"/> Remediation <input type="checkbox"/> Closure		Contractor:	

Time:	Comments:
940	<i>Onsite - Look for safe access to sample location</i>
1030	<i>Park trash safely - setup wash/Rinse buckets</i>
1045	<i>SBI - hand auger 38.803478 N -121.393552 W ±18 ft.</i>
1052	<i>SBI-1' (0.8' - 1.3') 0-0.5 sandy clay</i>
1104	<i>SBI-2.5 (2.3-2.8') - B 0.5-2.5 clay Backfill w/ native</i>
<del>1121</del>	<i>SBI-1' (0.9-1.4') 38.803298 N</i>
1138	<i>SBI-2.5 (2.4-2.9') -121.993-121.393287 0-0.5 sandy clay - brown 0.5-2.5 - clay</i>
1216	<i>SBI-1' (0.8-1.3') 38.802805 N -121.993669 14 brown</i>
1233	<i>SBI-2' (2.4-2.9') fine sandy silt</i>
1308	<i>SBI-1' (0.9-1.4') 38.802769 N 14 brown fine sand/silt</i>
145	<i>SBI-2.5 (2.0-2.5) -121.393407 W Refusal at 2.2 cm / Hand auger or drive sampler</i>
215	<i>clean up leave site</i>

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	



SOURCE: Google Earth, 2020

**ATC** 1117 Lone Palm Avenue, Suite 201b  
 Modesto, California 95351  
 —AN ATLAS COMPANY— (209) 579-2221

PROJECT NO.: NPPAN21023

APPENDIX B	SCALE: N/A	REVIEWED BY: JH
DRAWN BY: JS	DATE: 03/2021	FILE: SITE PLAN

**FIGURE 1  
 PROPOSED BORING LOCATIONS**

ROSEVILLE 183  
 6382 PHILLIP ROAD  
 ROSEVILLE, CALIFORNIA 95747

## **ATTACHMENT 2**



Date of Report: 04/20/2021

Jeanne Homsey

ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

Client Project: NPPAN21029  
BCL Project: Panattoni 183  
BCL Work Order: 2110867  
Invoice ID: B413831

Enclosed are the results of analyses for samples received by the laboratory on 4/6/2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers  
Client Service Rep

Stuart Buttram  
Technical Director

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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**CHAIN-OF-CUSTODY FORM**

Turnaround: 10 day, 3 day, 2.8 hr, 7 day, 2 day, STANDARD, 5 day, 24 hr

Time: (working days)

Analyses Requested:

ATC Sample ID	Date	Time	Matrix	Water	Vapor	No.	Type	Preservative	H2SO4	Field ID	Organochlorine pesticides (EPA 8081A)	Organophosphorus pesticides (EPA 8041A)	Chlorinated herbicides (EPA 8151A)	Lead & Arsenic (EPA 810B)	Notes/Comment
ASB1-1	4/2/21	10:52	soil				Truck	none			✓	✓	✓	✓	Hold
ASB1-2.5	4/2/21	11:04	soil								✓	✓	✓	✓	Hold
ASB2-1	4/2/21	11:27	soil								✓	✓	✓	✓	Hold
ASB2-2.5	4/2/21	11:38	soil								✓	✓	✓	✓	Hold
ASB3-1	4/2/21	12:16	soil								✓	✓	✓	✓	Hold
ASB3-2.5	4/2/21	12:33	soil								✓	✓	✓	✓	Hold
ASB4-1	4/2/21	13:08	soil								✓	✓	✓	✓	Hold

Additional Comments: Hold ASB1-1, 2.5; ASB2-2.5 & ASB3-2.5

Relinquished By: John Sellman Date/Time: 4/5/21 12:50 Received By: [Signature] Date/Time: 4/6/21 12:50

Relinquished By: [Signature] Date/Time: 4/6/21 18:30 Received By: [Signature] Date/Time: 4/6/21 18:30

Relinquished By: [Signature] Date/Time: 4/6/21 22:30 Received By: [Signature] Date/Time: 4/6/21 22:30

Sample Condition: Over Yes \_\_\_ No \_\_\_ On Ice Yes \_\_\_ No \_\_\_ Cooler Temp: \_\_\_ Temperature Method: \_\_\_

Page 1 of 1

White - Lab

Yellow - Lab

Pink - ATC

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BC LABORATORIES INC.		COOLER RECEIPT FORM		Page 1 Of 1								
Submission #: <u>21-10867</u>												
SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/> W / S							
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments:												
Custody Seals: Ice Chest <input type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Comments:												
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: <u>0.98</u> Container: <u>PE</u> Thermometer ID: <u>208</u>		Date/Time: <u>4/6 2230</u>								
		Temperature: (A) <u>1.1</u> °C / (C) <u>0.9</u> °C		Analyst Init: <u>EW</u>								
SAMPLE CONTAINERS			SAMPLE NUMBERS									
			1	2	3	4	5	6	7	8	9	10
QT PE UNPRES												
4oz / 8oz / 16oz PE UNPRES												
2oz C <sup>+</sup>												
QT INORGANIC CHEMICAL METALS												
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz												
PT CYANIDE												
PT NITROGEN FORMS												
PT TOTAL SULFIDE												
2oz NITRATE / NITRITE												
PT TOTAL ORGANIC CARBON												
PT CHEMICAL OXYGEN DEMAND												
PIA PHENOLICS												
40ml VOA VIAL TRAVEL BLANK												
40ml VOA VIAL												
QT EPA 1664												
PT ODOR												
RADIOLOGICAL												
BACTERIOLOGICAL												
40 ml VOA VIAL - 504												
QT EPA 503/603/6030												
QT EPA 515.1/152												
QT EPA 525												
QT EPA 525 TRAVEL BLANK												
40ml EPA 547												
40ml EPA 531.1												
5oz EPA 548												
QT EPA 549												
QT EPA 8015M												
QT EPA 8270												
8oz / 16oz / 32oz AMBER												
8oz / 16oz / 32oz IAR												
SOIL SLEEVE			A	A	A	A	A	A	A			
PCB VIAL												
PLASTIC BAG												
TEDLAR BAG												
FERROUS IRON												
ENCORE												
SMART KIT												
SUMMA CANISTER												

Comments:  
 Sample Numbering Completed By: EW Date/Time: 4-7-21 2034  
 A = Actual / C = Corrected



ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2110867-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 10:52
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB1-1'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
2110867-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 11:04
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB1-2.5'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
2110867-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 11:27
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB2-1'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
2110867-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 11:38
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB2-2.5'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
2110867-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 12:16
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB3-1'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
2110867-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 12:33
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB3-2.5'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
2110867-07	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2021 22:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/02/2021 13:08
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SB4-1'	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 2110867-01	<b>Client Sample Name:</b> SB1-1', 4/2/2021 10:52:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	ND		1
TCMX (Surrogate)	11.1	%	20 - 130 (LCL - UCL)		EPA-8081A		A20	1
Decachlorobiphenyl (Surrogate)	46.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	04/13/21 11:40	04/13/21 19:09	HKS	GC-17	0.990	B105928	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

<b>BCL Sample ID:</b> 2110867-01	<b>Client Sample Name:</b> SB1-1', 4/2/2021 10:52:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Azinphos methyl	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Bolstar	ND	mg/kg	0.010	0.0058	EPA-8141A	ND		1
Chlorpyrifos	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Coumaphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Demeton O/S	ND	mg/kg	0.010	0.0046	EPA-8141A	ND		1
Diazinon	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Dichlorvos	ND	mg/kg	0.010	0.0026	EPA-8141A	ND		1
Disulfoton	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Ethoprop	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Fensulfothion	ND	mg/kg	0.010	0.0017	EPA-8141A	ND		1
Fenthion	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Merphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Methyl parathion	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Mevinphos	ND	mg/kg	0.010	0.0056	EPA-8141A	ND		1
Naled	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Phorate	ND	mg/kg	0.010	0.0066	EPA-8141A	ND		1
Ronnel (Fenclorphos)	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	mg/kg	0.010	0.0075	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	mg/kg	0.010	0.0063	EPA-8141A	ND		1
Trichloronate	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	86.4	%	40 - 120 (LCL - UCL)		EPA-8141A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	04/12/21 13:30	04/13/21 14:58	OLH	GC-18	1.007	B106137	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 2110867-01		Client Sample Name: SB1-1', 4/2/2021 10:52:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
2,4-D	ND	mg/kg	0.020	0.0030	EPA-8151A	ND		1	
2,4-DB	ND	mg/kg	0.040	0.0067	EPA-8151A	ND		1	
Dalapon	ND	mg/kg	0.050	0.0068	EPA-8151A	ND		1	
Dicamba	ND	mg/kg	0.0020	0.00057	EPA-8151A	ND		1	
Dichloroprop	ND	mg/kg	0.020	0.0037	EPA-8151A	ND		1	
Dinoseb	ND	mg/kg	0.0070	0.0020	EPA-8151A	ND		1	
2,4,5-T	ND	mg/kg	0.0030	0.0011	EPA-8151A	ND		1	
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.00073	EPA-8151A	ND		1	
2,4-Dichlorophenylacetic acid (Surrogate)	49.7	%	40 - 120 (LCL - UCL)		EPA-8151A			1	

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-8151A	04/13/21 13:00	04/14/21	20:14	OLH	GC-8	1.003	B105935	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 2110867-01	<b>Client Sample Name:</b> SB1-1', 4/2/2021 10:52:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	3.3	mg/kg	1.0	0.40	EPA-6010B	ND		1
Lead	6.3	mg/kg	2.5	0.41	EPA-6010B	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	04/14/21 11:45	04/15/21 13:31		JCC	PE-OP3	0.980	B105958	EPA 3050B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 2110867-03	<b>Client Sample Name:</b> SB2-1', 4/2/2021 11:27:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	ND		1
TCMX (Surrogate)	23.8	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	49.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	04/13/21 11:40	04/13/21 19:23	HKS	GC-17	1.014	B105928	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

<b>BCL Sample ID:</b> 2110867-03	<b>Client Sample Name:</b> SB2-1', 4/2/2021 11:27:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Azinphos methyl	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Bolstar	ND	mg/kg	0.010	0.0058	EPA-8141A	ND		1
Chlorpyrifos	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Coumaphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Demeton O/S	ND	mg/kg	0.010	0.0046	EPA-8141A	ND		1
Diazinon	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Dichlorvos	ND	mg/kg	0.010	0.0026	EPA-8141A	ND		1
Disulfoton	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Ethoprop	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Fensulfothion	ND	mg/kg	0.010	0.0017	EPA-8141A	ND		1
Fenthion	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Merphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Methyl parathion	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Mevinphos	ND	mg/kg	0.010	0.0056	EPA-8141A	ND		1
Naled	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Phorate	ND	mg/kg	0.010	0.0066	EPA-8141A	ND		1
Ronnel (Fenclorphos)	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	mg/kg	0.010	0.0075	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	mg/kg	0.010	0.0063	EPA-8141A	ND		1
Trichloronate	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	48.0	%	40 - 120 (LCL - UCL)		EPA-8141A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	04/12/21 13:30	04/13/21 15:28	OLH	GC-18	1.014	B106137	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 2110867-03		Client Sample Name: SB2-1', 4/2/2021 11:27:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
2,4-D	ND	mg/kg	0.020	0.0030	EPA-8151A	ND		1	
2,4-DB	ND	mg/kg	0.040	0.0067	EPA-8151A	ND		1	
Dalapon	ND	mg/kg	0.050	0.0068	EPA-8151A	ND		1	
Dicamba	ND	mg/kg	0.0020	0.00057	EPA-8151A	ND		1	
Dichloroprop	ND	mg/kg	0.020	0.0037	EPA-8151A	ND		1	
Dinoseb	ND	mg/kg	0.0070	0.0020	EPA-8151A	ND		1	
2,4,5-T	ND	mg/kg	0.0030	0.0011	EPA-8151A	ND		1	
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.00073	EPA-8151A	ND		1	
2,4-Dichlorophenylacetic acid (Surrogate)	18.2	%	40 - 120 (LCL - UCL)		EPA-8151A		S09	1	

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-8151A	04/13/21 13:00	04/14/21	20:37	OLH	GC-8	1.010	B105935	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 2110867-03	<b>Client Sample Name:</b> SB2-1', 4/2/2021 11:27:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	3.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Lead	5.2	mg/kg	2.5	0.41	EPA-6010B	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	04/14/21 11:45	04/15/21 13:16		JCC	PE-OP3	1	B105958	EPA 3050B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 2110867-05		Client Sample Name: SB3-1', 4/2/2021 12:16:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1	
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A	ND		1	
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A	ND		1	
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A	ND		1	
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1	
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	ND		1	
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1	
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	ND		1	
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	ND		1	
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1	
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1	
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1	
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A	ND		1	
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	ND		1	
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1	
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	ND		1	
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1	
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	ND		1	
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	ND		1	
TCMX (Surrogate)	12.8	%	20 - 130 (LCL - UCL)		EPA-8081A		A20	1	
Decachlorobiphenyl (Surrogate)	40.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	04/13/21 11:40	04/13/21 19:38	HKS	GC-17	0.984	B105928	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

<b>BCL Sample ID:</b> 2110867-05	<b>Client Sample Name:</b> SB3-1', 4/2/2021 12:16:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Azinphos methyl	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Bolstar	ND	mg/kg	0.010	0.0058	EPA-8141A	ND		1
Chlorpyrifos	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Coumaphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Demeton O/S	ND	mg/kg	0.010	0.0046	EPA-8141A	ND		1
Diazinon	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Dichlorvos	ND	mg/kg	0.010	0.0026	EPA-8141A	ND		1
Disulfoton	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Ethoprop	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Fensulfothion	ND	mg/kg	0.010	0.0017	EPA-8141A	ND		1
Fenthion	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Merphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Methyl parathion	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Mevinphos	ND	mg/kg	0.010	0.0056	EPA-8141A	ND		1
Naled	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Phorate	ND	mg/kg	0.010	0.0066	EPA-8141A	ND		1
Ronnel (Fenclorophos)	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	mg/kg	0.010	0.0075	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	mg/kg	0.010	0.0063	EPA-8141A	ND		1
Trichloronate	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	64.6	%	40 - 120 (LCL - UCL)		EPA-8141A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	04/12/21 13:30	04/13/21 15:57	OLH	GC-18	1.007	B106137	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 2110867-05		Client Sample Name: SB3-1', 4/2/2021 12:16:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
2,4-D	ND	mg/kg	0.020	0.0030	EPA-8151A	ND		1	
2,4-DB	ND	mg/kg	0.040	0.0067	EPA-8151A	ND		1	
Dalapon	ND	mg/kg	0.050	0.0068	EPA-8151A	ND		1	
Dicamba	ND	mg/kg	0.0020	0.00057	EPA-8151A	ND		1	
Dichloroprop	ND	mg/kg	0.020	0.0037	EPA-8151A	ND		1	
Dinoseb	ND	mg/kg	0.0070	0.0020	EPA-8151A	ND		1	
2,4,5-T	ND	mg/kg	0.0030	0.0011	EPA-8151A	ND		1	
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.00073	EPA-8151A	ND		1	
2,4-Dichlorophenylacetic acid (Surrogate)	40.3	%	40 - 120 (LCL - UCL)		EPA-8151A			1	

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-8151A	04/13/21 13:00	04/14/21	23:18	OLH	GC-8	1.010	B105935	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 2110867-05	<b>Client Sample Name:</b> SB3-1', 4/2/2021 12:16:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	2.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Lead	7.0	mg/kg	2.5	0.41	EPA-6010B	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	04/14/21 11:45	04/15/21 13:33		JCC	PE-OP3	0.971	B105958	EPA 3050B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 2110867-07	<b>Client Sample Name:</b> SB4-1', 4/2/2021 1:08:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000038	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.000048	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000037	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0010	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000095	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000040	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000026	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000065	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000018	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000086	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000094	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0014	EPA-8081A	ND		1
TCMX (Surrogate)	19.8	%	20 - 130 (LCL - UCL)		EPA-8081A		A20	1
Decachlorobiphenyl (Surrogate)	48.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	04/13/21 11:40	04/13/21 19:53	HKS	GC-17	0.997	B105928	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

<b>BCL Sample ID:</b> 2110867-07	<b>Client Sample Name:</b> SB4-1', 4/2/2021 1:08:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Azinphos methyl	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Bolstar	ND	mg/kg	0.010	0.0058	EPA-8141A	ND		1
Chlorpyrifos	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Coumaphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Demeton O/S	ND	mg/kg	0.010	0.0046	EPA-8141A	ND		1
Diazinon	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Dichlorvos	ND	mg/kg	0.010	0.0026	EPA-8141A	ND		1
Disulfoton	ND	mg/kg	0.010	0.0055	EPA-8141A	ND		1
Ethoprop	ND	mg/kg	0.010	0.0048	EPA-8141A	ND		1
Fensulfothion	ND	mg/kg	0.010	0.0017	EPA-8141A	ND		1
Fenthion	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Merphos	ND	mg/kg	0.010	0.0062	EPA-8141A	ND		1
Methyl parathion	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Mevinphos	ND	mg/kg	0.010	0.0056	EPA-8141A	ND		1
Naled	ND	mg/kg	0.010	0.0060	EPA-8141A	ND		1
Phorate	ND	mg/kg	0.010	0.0066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	mg/kg	0.010	0.0075	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	mg/kg	0.010	0.0063	EPA-8141A	ND		1
Trichloronate	ND	mg/kg	0.010	0.0061	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	41.4	%	40 - 120 (LCL - UCL)		EPA-8141A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	04/12/21 13:30	04/13/21 16:27	OLH	GC-18	0.987	B106137	EPA 3550B

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ATC Group Services -Modesto  
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Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 2110867-07		Client Sample Name: SB4-1', 4/2/2021 1:08:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
2,4-D	ND	mg/kg	0.020	0.0030	EPA-8151A	ND		1	
2,4-DB	ND	mg/kg	0.040	0.0067	EPA-8151A	ND		1	
Dalapon	ND	mg/kg	0.050	0.0068	EPA-8151A	ND		1	
Dicamba	ND	mg/kg	0.0020	0.00057	EPA-8151A	ND		1	
Dichloroprop	ND	mg/kg	0.020	0.0037	EPA-8151A	ND		1	
Dinoseb	ND	mg/kg	0.0070	0.0020	EPA-8151A	ND		1	
2,4,5-T	ND	mg/kg	0.0030	0.0011	EPA-8151A	ND		1	
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.00073	EPA-8151A	ND		1	
2,4-Dichlorophenylacetic acid (Surrogate)	27.8	%	40 - 120 (LCL - UCL)		EPA-8151A		S09	1	

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-8151A	04/13/21 13:00	04/14/21	23:40	OLH	GC-8	0.993	B105935	EPA 3550B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
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**Reported:** 04/20/2021 17:23  
**Project:** Panattoni 183  
**Project Number:** NPPAN21029  
**Project Manager:** Jeanne Homsey

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 2110867-07	<b>Client Sample Name:</b> SB4-1', 4/2/2021 1:08:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	2.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Lead	3.5	mg/kg	2.5	0.41	EPA-6010B	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	04/14/21 11:45	04/15/21 13:35		JCC	PE-OP3	0.943	B105958	EPA 3050B

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B105928</b>						
Aldrin	B105928-BLK1	ND	mg/kg	0.00050	0.000018	
alpha-BHC	B105928-BLK1	ND	mg/kg	0.00050	0.000038	
beta-BHC	B105928-BLK1	ND	mg/kg	0.00050	0.000048	
delta-BHC	B105928-BLK1	ND	mg/kg	0.00050	0.000037	
gamma-BHC (Lindane)	B105928-BLK1	ND	mg/kg	0.00050	0.000018	
Chlordane (Technical)	B105928-BLK1	ND	mg/kg	0.050	0.0010	
4,4'-DDD	B105928-BLK1	ND	mg/kg	0.00050	0.000064	
4,4'-DDE	B105928-BLK1	ND	mg/kg	0.00050	0.000095	
4,4'-DDT	B105928-BLK1	ND	mg/kg	0.00050	0.000040	
Dieldrin	B105928-BLK1	ND	mg/kg	0.00050	0.000036	
Endosulfan I	B105928-BLK1	ND	mg/kg	0.00050	0.000020	
Endosulfan II	B105928-BLK1	ND	mg/kg	0.00050	0.000034	
Endosulfan sulfate	B105928-BLK1	ND	mg/kg	0.00050	0.000026	
Endrin	B105928-BLK1	ND	mg/kg	0.00050	0.000065	
Endrin aldehyde	B105928-BLK1	ND	mg/kg	0.00050	0.000018	
Heptachlor	B105928-BLK1	ND	mg/kg	0.00050	0.000086	
Heptachlor epoxide	B105928-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B105928-BLK1	ND	mg/kg	0.00050	0.000094	
Toxaphene	B105928-BLK1	ND	mg/kg	0.050	0.0014	
<b>TCMX (Surrogate)</b>	<b>B105928-BLK1</b>	<b>80.0</b>	<b>%</b>	<b>20 - 130 (LCL - UCL)</b>		
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B105928-BLK1</b>	<b>91.8</b>	<b>%</b>	<b>40 - 130 (LCL - UCL)</b>		

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B105928</b>										
Aldrin	B105928-BS1	LCS	0.0032066	0.0049505	mg/kg	64.8		70 - 130		L01
gamma-BHC (Lindane)	B105928-BS1	LCS	0.0030977	0.0049505	mg/kg	62.6		60 - 140		
4,4'-DDT	B105928-BS1	LCS	0.0032132	0.0049505	mg/kg	64.9		60 - 140		
Dieldrin	B105928-BS1	LCS	0.0034696	0.0049505	mg/kg	70.1		70 - 130		
Endrin	B105928-BS1	LCS	0.0036667	0.0049505	mg/kg	74.1		60 - 140		
Heptachlor	B105928-BS1	LCS	0.0031396	0.0049505	mg/kg	63.4		60 - 140		
TCMX (Surrogate)	B105928-BS1	LCS	0.0056911	0.0099010	mg/kg	57.5		20 - 130		
Decachlorobiphenyl (Surrogate)	B105928-BS1	LCS	0.012327	0.019802	mg/kg	62.3		40 - 130		

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

Reported: 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery		Lab	
								RPD	Recovery		
<b>QC Batch ID: B105928</b>		Used client sample: N									
Aldrin	MS	2110770-43	ND	0.0033576	0.0050847	mg/kg		66.0		50 - 140	
	MSD	2110770-43	ND	0.0031827	0.0049834	mg/kg	5.3	63.9	30	50 - 140	
gamma-BHC (Lindane)	MS	2110770-43	ND	0.0032600	0.0050847	mg/kg		64.1		50 - 140	
	MSD	2110770-43	ND	0.0030787	0.0049834	mg/kg	5.7	61.8	30	50 - 140	
4,4'-DDT	MS	2110770-43	ND	0.0035268	0.0050847	mg/kg		69.4		50 - 140	
	MSD	2110770-43	ND	0.0032050	0.0049834	mg/kg	9.6	64.3	30	50 - 140	
Dieldrin	MS	2110770-43	ND	0.0036410	0.0050847	mg/kg		71.6		40 - 140	
	MSD	2110770-43	ND	0.0034013	0.0049834	mg/kg	6.8	68.3	30	40 - 140	
Endrin	MS	2110770-43	ND	0.0038722	0.0050847	mg/kg		76.2		50 - 150	
	MSD	2110770-43	ND	0.0035548	0.0049834	mg/kg	8.5	71.3	30	50 - 150	
Heptachlor	MS	2110770-43	ND	0.0033119	0.0050847	mg/kg		65.1		60 - 140	
	MSD	2110770-43	ND	0.0031578	0.0049834	mg/kg	4.8	63.4	30	60 - 140	
TCMX (Surrogate)	MS	2110770-43	ND	0.0059102	0.010169	mg/kg		58.1		20 - 130	
	MSD	2110770-43	ND	0.0055841	0.0099668	mg/kg	5.7	56.0		20 - 130	
Decachlorobiphenyl (Surrogate)	MS	2110770-43	ND	0.013664	0.020339	mg/kg		67.2		40 - 130	
	MSD	2110770-43	ND	0.012380	0.019934	mg/kg	9.9	62.1		40 - 130	

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B106137</b>						
Azinphos methyl	B106137-BLK1	ND	mg/kg	0.010	0.0055	
Bolstar	B106137-BLK1	ND	mg/kg	0.010	0.0058	
Chlorpyrifos	B106137-BLK1	ND	mg/kg	0.010	0.0060	
Coumaphos	B106137-BLK1	ND	mg/kg	0.010	0.0062	
Demeton O/S	B106137-BLK1	ND	mg/kg	0.010	0.0046	
Diazinon	B106137-BLK1	ND	mg/kg	0.010	0.0048	
Dichlorvos	B106137-BLK1	ND	mg/kg	0.010	0.0026	
Disulfoton	B106137-BLK1	ND	mg/kg	0.010	0.0055	
Ethoprop	B106137-BLK1	ND	mg/kg	0.010	0.0048	
Fensulfothion	B106137-BLK1	ND	mg/kg	0.010	0.0017	
Fenthion	B106137-BLK1	ND	mg/kg	0.010	0.0062	
Merphos	B106137-BLK1	ND	mg/kg	0.010	0.0062	
Methyl parathion	B106137-BLK1	ND	mg/kg	0.010	0.0060	
Mevinphos	B106137-BLK1	ND	mg/kg	0.010	0.0056	
Naled	B106137-BLK1	ND	mg/kg	0.010	0.0060	
Phorate	B106137-BLK1	ND	mg/kg	0.010	0.0066	
Ronnel (Fenchlorphos)	B106137-BLK1	ND	mg/kg	0.010	0.0061	
Stirophos (Tetrachlorvinphos)	B106137-BLK1	ND	mg/kg	0.010	0.0075	
Tokuthion (Prothiofos)	B106137-BLK1	ND	mg/kg	0.010	0.0063	
Trichloronate	B106137-BLK1	ND	mg/kg	0.010	0.0061	
<b>Triphenylphosphate (Surrogate)</b>	<b>B106137-BLK1</b>	<b>119</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B106137</b>											
Bolstar	B106137-BS1	LCS	0.080492	0.065574	mg/kg	123		50	130		
Chlorpyrifos	B106137-BS1	LCS	0.074918	0.065574	mg/kg	114		60	140		
Diazinon	B106137-BS1	LCS	0.028033	0.065574	mg/kg	42.8		40	120		
Methyl parathion	B106137-BS1	LCS	0.068197	0.065574	mg/kg	104		60	120		
Mevinphos	B106137-BS1	LCS	0.048197	0.065574	mg/kg	73.5		50	120		
Ronnel (Fenclorphos)	B106137-BS1	LCS	0.068689	0.065574	mg/kg	105		50	120		
Stirophos (Tetrachlorvinphos)	B106137-BS1	LCS	0.066557	0.065574	mg/kg	102		60	140		
Triphenylphosphate (Surrogate)	B106137-BS1	LCS	0.096721	0.081967	mg/kg	118		40	120		

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ATC Group Services -Modesto  
1117 Lone Palm Avenue  
Modesto, CA 95351

Reported: 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery		Lab	
								RPD	Percent Recovery		
<b>QC Batch ID: B106137</b>		Used client sample: Y - Description: SB2-1', 04/02/2021 11:27									
Bolstar	MS	2110867-03	ND	0.029730	0.067568	mg/kg		44.0		40 - 140	
	MSD	2110867-03	ND	0.037129	0.066007	mg/kg	22.1	56.2	30	40 - 140	
Chlorpyrifos	MS	2110867-03	ND	0.028547	0.067568	mg/kg		42.2		40 - 130	
	MSD	2110867-03	ND	0.035644	0.066007	mg/kg	22.1	54.0	30	40 - 130	
Diazinon	MS	2110867-03	ND	0.035304	0.067568	mg/kg		52.2		40 - 120	
	MSD	2110867-03	ND	0.042409	0.066007	mg/kg	18.3	64.2	30	40 - 120	
Methyl parathion	MS	2110867-03	ND	0.027196	0.067568	mg/kg		40.2		40 - 125	
	MSD	2110867-03	ND	0.034323	0.066007	mg/kg	23.2	52.0	30	40 - 125	
Mevinphos	MS	2110867-03	ND	0.038514	0.067568	mg/kg		57.0		40 - 140	
	MSD	2110867-03	ND	0.046865	0.066007	mg/kg	19.6	71.0	30	40 - 140	
Ronnel (Fenclorphos)	MS	2110867-03	ND	0.029392	0.067568	mg/kg		43.5		40 - 120	
	MSD	2110867-03	ND	0.035149	0.066007	mg/kg	17.8	53.3	30	40 - 120	
Stirophos (Tetrachlorvinphos)	MS	2110867-03	ND	0.028885	0.067568	mg/kg		42.7		40 - 140	
	MSD	2110867-03	ND	0.035644	0.066007	mg/kg	20.9	54.0	30	40 - 140	
Triphenylphosphate (Surrogate)	MS	2110867-03	ND	0.041216	0.084459	mg/kg		48.8		40 - 120	
	MSD	2110867-03	ND	0.056271	0.082508	mg/kg	30.9	68.2		40 - 120	

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**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B105935</b>						
2,4-D	B105935-BLK1	ND	mg/kg	0.020	0.0030	
2,4-DB	B105935-BLK1	ND	mg/kg	0.040	0.0067	
Dalapon	B105935-BLK1	ND	mg/kg	0.050	0.0068	
Dicamba	B105935-BLK1	ND	mg/kg	0.0020	0.00057	
Dichloroprop	B105935-BLK1	ND	mg/kg	0.020	0.0037	
Dinoseb	B105935-BLK1	ND	mg/kg	0.0070	0.0020	
2,4,5-T	B105935-BLK1	ND	mg/kg	0.0030	0.0011	
2,4,5-TP (Silvex)	B105935-BLK1	ND	mg/kg	0.0030	0.00073	
<b>2,4-Dichlorophenylacetic acid (Surrogate)</b>	<b>B105935-BLK1</b>	<b>68.5</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		

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**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B105935</b>										
2,4-D	B105935-BS1	LCS	0.054545	0.080808	mg/kg	67.5		50	120	
2,4-DB	B105935-BS1	LCS	0.10505	0.18182	mg/kg	57.8		50	120	
Dicamba	B105935-BS1	LCS	0.013468	0.020202	mg/kg	66.7		50	120	
Dichloroprop	B105935-BS1	LCS	0.054209	0.080808	mg/kg	67.1		50	120	
Dinoseb	B105935-BS1	LCS	0.023906	0.040404	mg/kg	59.2		50	120	
2,4,5-T	B105935-BS1	LCS	0.014478	0.020202	mg/kg	71.7		30	120	
2,4,5-TP (Silvex)	B105935-BS1	LCS	0.015488	0.020202	mg/kg	76.7		50	120	
2,4-Dichlorophenylacetic acid (Surrogate)	B105935-BS1	LCS	0.086195	0.13468	mg/kg	64.0		40	120	

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Reported: 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Chlorinated Herbicides (EPA Method 8151A)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: B105935</b>		Used client sample: N									
2,4-D	MS	2108269-80	ND	0.061462	0.079734	mg/kg		77.1		40 - 120	
	MSD	2108269-80	ND	0.056250	0.078947	mg/kg	8.9	71.2	30	40 - 120	
2,4-DB	MS	<b>2108269-80</b>	<b>ND</b>	<b>0.11528</b>	<b>0.17940</b>	<b>mg/kg</b>		<b>64.3</b>		<b>50 - 120</b>	
	MSD	<b>2108269-80</b>	<b>ND</b>	<b>0.081250</b>	<b>0.17763</b>	<b>mg/kg</b>	<b>34.6</b>	<b>45.7</b>	<b>30</b>	<b>50 - 120</b>	<b>Q02,Q03</b>
Dicamba	MS	2108269-80	ND	0.014950	0.019934	mg/kg		75.0		50 - 120	
	MSD	2108269-80	ND	0.013487	0.019737	mg/kg	10.3	68.3	30	50 - 120	
Dichloroprop	MS	2108269-80	ND	0.057475	0.079734	mg/kg		72.1		40 - 120	
	MSD	2108269-80	ND	0.053289	0.078947	mg/kg	7.6	67.5	30	40 - 120	
Dinoseb	MS	2108269-80	ND	0.029236	0.039867	mg/kg		73.3		40 - 130	
	MSD	2108269-80	ND	0.025329	0.039474	mg/kg	14.3	64.2	30	40 - 130	
2,4,5-T	MS	2108269-80	ND	0.016944	0.019934	mg/kg		85.0		30 - 120	
	MSD	2108269-80	ND	0.015132	0.019737	mg/kg	11.3	76.7	30	30 - 120	
2,4,5-TP (Silvex)	MS	2108269-80	ND	0.015947	0.019934	mg/kg		80.0		40 - 120	
	MSD	2108269-80	ND	0.013816	0.019737	mg/kg	14.3	70.0	30	40 - 120	
2,4-Dichlorophenylacetic acid (Surrogate)	MS	2108269-80	ND	0.098671	0.13289	mg/kg		74.3		40 - 120	
	MSD	2108269-80	ND	0.070724	0.13158	mg/kg	33.0	53.7		40 - 120	

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**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Total Concentrations (TTL)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B105958</b>						
Arsenic	B105958-BLK1	ND	mg/kg	1.0	0.40	
Lead	B105958-BLK1	ND	mg/kg	2.5	0.41	

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**Reported:** 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B105958</b>											
Arsenic	B105958-BS1	LCS	18.857	20.000	mg/kg	94.3		75	125		
Lead	B105958-BS1	LCS	110.95	100.00	mg/kg	111		75	125		

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Reported: 04/20/2021 17:23  
Project: Panattoni 183  
Project Number: NPPAN21029  
Project Manager: Jeanne Homsey

### Total Concentrations (TTLIC)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: B105958</b>		Used client sample: Y - Description: SB2-1', 04/02/2021 11:27									
Arsenic	DUP	2110867-03	3.6832	3.4868		mg/kg	5.5		20		
	MS	2110867-03	3.6832	17.990	20.000	mg/kg		71.5		75 - 125	Q03
	MSD	2110867-03	3.6832	18.415	20.000	mg/kg	2.3	73.7	20	75 - 125	Q03
Lead	DUP	2110867-03	5.2134	5.4486		mg/kg	4.4		20		
	MS	2110867-03	5.2134	87.546	100.00	mg/kg		82.3		75 - 125	
	MSD	2110867-03	5.2134	88.975	100.00	mg/kg	1.6	83.8	20	75 - 125	

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**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A20 Surrogate is low due to matrix interference. Interference verified through second extraction/analysis.
- L01 The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
- Q02 Matrix spike precision is not within the control limits.
- Q03 Matrix spike recovery(s) was(were) not within the control limits.
- S09 The surrogate recovery for this compound was not within the control limits.