

**Work Orders:** 0K17070

**Report Date:** 12/04/2020

**Project:** 94088

**Received Date:** 11/17/2020

**Turnaround Time:** Normal

**Phones:** (559) 275-2175

**Fax:** (559) 275-4422

**P.O. #:** 00-94088

**Attn:** Libby Cheeseborough

**Billing Code:**

**Client:** APPL, Inc.  
908 N. Temperance Avenue  
Clovis, CA 93611

DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 •  
NELAP-OR #4047 • NJ-DEP #CA015

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*

Dear Libby Cheeseborough,

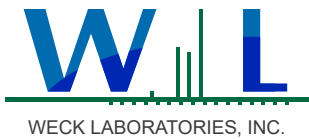
Enclosed are the results of analyses for samples received 11/17/20 with the Chain-of-Custody document. The samples were received in good condition, at 2.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

**Reviewed by:**



Regina M. Giancola  
Project Manager





WECK LABORATORIES, INC.

APPL, Inc.  
908 N. Temperance Avenue  
Clovis, CA 93611

# Certificate of Analysis

FINAL REPORT

**Project Number:** 94088

**Reported:**

12/04/2020 17:25

**Project Manager:** Libby Cheeseborough

## Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
BA21687, Alias: ERH1204	Client	OK17070-01	Water	11/12/20 08:45	
BA21688, Alias: ERH1205	Client	OK17070-02	Water	11/12/20 09:45	

APPL, Inc.  
908 N. Temperance Avenue  
Clovis, CA 93611

Project Number: 94088

Reported:  
12/04/2020 17:25

Project Manager: Libby Cheeseborough

## Sample Results

Sample: BA21687, Alias: ERH1204  
OK17070-01 (Water)

Sampled: 11/12/20 8:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>Method:</b> EPA 525.2		<b>Instr:</b> GCMS16				
<b>Batch ID:</b> W0K1121	<b>Preparation:</b> EPA 525.2/SPE	<b>Prepared:</b> 11/19/20 09:55		<b>Analyst:</b> rmr		
2,4-Dinitrotoluene	ND	2.0	ug/l	1	12/02/20	
2,6-Dinitrotoluene	ND	2.0	ug/l	1	12/02/20	
4,4'-DDD	ND	0.10	ug/l	1	12/02/20	
4,4'-DDE	ND	0.20	ug/l	1	12/02/20	
4,4'-DDT	ND	0.10	ug/l	1	12/02/20	
Acenaphthene	ND	0.50	ug/l	1	12/02/20	
Acenaphthylene	ND	0.50	ug/l	1	12/02/20	
Acetochlor	ND	0.10	ug/l	1	12/02/20	
Alachlor	ND	0.10	ug/l	1	12/02/20	
Aldrin	ND	0.10	ug/l	1	12/02/20	
alpha-BHC	ND	0.10	ug/l	1	12/02/20	
alpha-Chlordane	ND	0.10	ug/l	1	12/02/20	
Anthracene	ND	0.50	ug/l	1	12/02/20	
Atrazine	ND	0.10	ug/l	1	12/02/20	
Benzo (a) anthracene	ND	0.50	ug/l	1	12/02/20	
Benzo (a) pyrene	ND	0.10	ug/l	1	12/02/20	
Benzo (b) fluoranthene	ND	0.50	ug/l	1	12/02/20	
Benzo (g,h,i) perylene	ND	0.50	ug/l	1	12/02/20	
Benzo (k) fluoranthene	ND	0.50	ug/l	1	12/02/20	
beta-BHC	ND	0.20	ug/l	1	12/02/20	
Bis(2-ethylhexyl)adipate	ND	5.0	ug/l	1	12/02/20	
Bis(2-ethylhexyl)phthalate	ND	3.0	ug/l	1	12/02/20	
Bromacil	ND	0.50	ug/l	1	12/02/20	
Butachlor	ND	0.10	ug/l	1	12/02/20	
Butyl benzyl phthalate	ND	2.0	ug/l	1	12/02/20	
Caffeine	ND	0.10	ug/l	1	12/02/20	
Captan	ND	1.0	ug/l	1	12/02/20	
Chlorpropham	ND	0.10	ug/l	1	12/02/20	
Chrysene	ND	0.50	ug/l	1	12/02/20	
Cyanazine	ND	0.10	ug/l	1	12/02/20	
delta-BHC	ND	0.10	ug/l	1	12/02/20	
Diazinon	ND	0.10	ug/l	1	12/02/20	
Dibenzo (a,h) anthracene	ND	0.50	ug/l	1	12/02/20	
Dieldrin	ND	0.20	ug/l	1	12/02/20	
Diethyl phthalate	ND	2.0	ug/l	1	12/02/20	

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## Sample Results

(Continued)

Sample: BA21687, Alias: ERH1204  
OK17070-01 (Water)

Sampled: 11/12/20 8:45 by Client  
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>						
<b>Method:</b> EPA 525.2		<b>Instr:</b> GCMS16				
<b>Batch ID:</b> W0K1121	<b>Preparation:</b> EPA 525.2/SPE	<b>Prepared:</b> 11/19/20 09:55			<b>Analyst:</b> rmr	
Dimethoate	ND	0.20	ug/l	1	12/02/20	
Dimethyl phthalate	ND	2.0	ug/l	1	12/02/20	
Di-n-butyl phthalate	ND	2.0	ug/l	1	12/02/20	
Di-n-octyl phthalate	ND	0.50	ug/l	1	12/02/20	
Diphenamid	ND	0.10	ug/l	1	12/02/20	
Disulfoton	ND	0.10	ug/l	1	12/02/20	
Endosulfan I	ND	1.0	ug/l	1	12/02/20	
Endosulfan II	ND	0.20	ug/l	1	12/02/20	
Endosulfan sulfate	ND	0.20	ug/l	1	12/02/20	
Endrin	ND	0.20	ug/l	1	12/02/20	
Endrin aldehyde	ND	0.20	ug/l	1	12/02/20	
Endrin ketone	ND	0.10	ug/l	1	12/02/20	
EPTC	ND	0.10	ug/l	1	12/02/20	
Ethion	ND	0.10	ug/l	1	12/02/20	
Fluoranthene	ND	0.50	ug/l	1	12/02/20	
Fluorene	ND	0.50	ug/l	1	12/02/20	
gamma-BHC (Lindane)	ND	0.10	ug/l	1	12/02/20	
gamma-Chlordane	ND	0.10	ug/l	1	12/02/20	
Heptachlor	ND	0.10	ug/l	1	12/02/20	
Heptachlor epoxide	ND	0.10	ug/l	1	12/02/20	
Hexachlorobenzene	ND	0.10	ug/l	1	12/02/20	
Hexachlorocyclopentadiene	ND	1.0	ug/l	1	12/02/20	
Indeno (1,2,3-cd) pyrene	ND	0.50	ug/l	1	12/02/20	
Methoxychlor	ND	0.20	ug/l	1	12/02/20	
Metolachlor	ND	0.10	ug/l	1	12/02/20	
Metribuzin	ND	0.10	ug/l	1	12/02/20	
Molinate	ND	0.10	ug/l	1	12/02/20	
Naphthalene	ND	0.50	ug/l	1	12/02/20	
Pentachloronitrobenzene (PCNB)	ND	0.10	ug/l	1	12/02/20	
Pentachlorophenol	ND	1.0	ug/l	1	12/02/20	
Phenanthrene	ND	0.50	ug/l	1	12/02/20	
Prometon	ND	0.10	ug/l	1	12/02/20	
Prometryn	ND	0.10	ug/l	1	12/02/20	
Propachlor	ND	0.20	ug/l	1	12/02/20	
Pyrene	ND	0.50	ug/l	1	12/02/20	

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## Sample Results

(Continued)

Sample: BA21687, Alias: ERH1204  
OK17070-01 (Water)

Sampled: 11/12/20 8:45 by Client  
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>						
<b>Method:</b> EPA 525.2			<b>Instr:</b> GCMS16			
<b>Batch ID:</b> W0K1121		<b>Preparation:</b> EPA 525.2/SPE		<b>Prepared:</b> 11/19/20 09:55		<b>Analyst:</b> rmr
Simazine	ND	0.10	ug/l	1	12/02/20	
Terbacil	ND	2.0	ug/l	1	12/02/20	BS-03
Thiobencarb	ND	0.10	ug/l	1	12/02/20	
Trifluralin	ND	0.10	ug/l	1	12/02/20	
Triethion	ND	0.10	ug/l	1	12/02/20	
<i>Surrogate(s)</i>						
1,3-Dimethyl-2-nitrobenzene	111%	Conc: 5.55	70-130		12/02/20	
Perylene-d12	63%	Conc: 3.13	50-120		12/02/20	
Triphenyl phosphate	112%	Conc: 5.62	70-130		12/02/20	

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12/04/2020 17:25

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## Sample Results

(Continued)

Sample: BA21688, Alias: ERH1205  
OK17070-02 (Water)

Sampled: 11/12/20 9:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>Method:</b> EPA 525.2		<b>Instr:</b> GCMS16				
<b>Batch ID:</b> W0K1121	<b>Preparation:</b> EPA 525.2/SPE	<b>Prepared:</b> 11/19/20 09:55			<b>Analyst:</b> rmr	
2,4-Dinitrotoluene	ND	2.0	ug/l	1	12/03/20	
2,6-Dinitrotoluene	ND	2.0	ug/l	1	12/03/20	
4,4'-DDD	ND	0.10	ug/l	1	12/03/20	
4,4'-DDE	ND	0.20	ug/l	1	12/03/20	
4,4'-DDT	ND	0.10	ug/l	1	12/03/20	
Acenaphthene	ND	0.50	ug/l	1	12/03/20	
Acenaphthylene	ND	0.50	ug/l	1	12/03/20	
Acetochlor	ND	0.10	ug/l	1	12/03/20	
Alachlor	ND	0.10	ug/l	1	12/03/20	
Aldrin	ND	0.10	ug/l	1	12/03/20	
alpha-BHC	ND	0.10	ug/l	1	12/03/20	
alpha-Chlordane	ND	0.10	ug/l	1	12/03/20	
Anthracene	ND	0.50	ug/l	1	12/03/20	
Atrazine	ND	0.10	ug/l	1	12/03/20	
Benzo (a) anthracene	ND	0.50	ug/l	1	12/03/20	
Benzo (a) pyrene	ND	0.10	ug/l	1	12/03/20	
Benzo (b) fluoranthene	ND	0.50	ug/l	1	12/03/20	
Benzo (g,h,i) perylene	ND	0.50	ug/l	1	12/03/20	
Benzo (k) fluoranthene	ND	0.50	ug/l	1	12/03/20	
beta-BHC	ND	0.20	ug/l	1	12/03/20	
Bis(2-ethylhexyl)adipate	ND	5.0	ug/l	1	12/03/20	
Bis(2-ethylhexyl)phthalate	ND	3.0	ug/l	1	12/03/20	
Bromacil	ND	0.50	ug/l	1	12/03/20	
Butachlor	ND	0.10	ug/l	1	12/03/20	
Butyl benzyl phthalate	ND	2.0	ug/l	1	12/03/20	
Caffeine	ND	0.10	ug/l	1	12/03/20	
Captan	ND	1.0	ug/l	1	12/03/20	
Chlorpropham	ND	0.10	ug/l	1	12/03/20	
Chrysene	ND	0.50	ug/l	1	12/03/20	
Cyanazine	ND	0.10	ug/l	1	12/03/20	
delta-BHC	ND	0.10	ug/l	1	12/03/20	
Diazinon	ND	0.10	ug/l	1	12/03/20	
Dibenzo (a,h) anthracene	ND	0.50	ug/l	1	12/03/20	
Dieldrin	ND	0.20	ug/l	1	12/03/20	
Diethyl phthalate	ND	2.0	ug/l	1	12/03/20	

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12/04/2020 17:25

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## Sample Results

(Continued)

Sample: BA21688, Alias: ERH1205  
OK17070-02 (Water)

Sampled: 11/12/20 9:45 by Client  
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>						
<b>Method:</b> EPA 525.2		<b>Instr:</b> GCMS16				
<b>Batch ID:</b> W0K1121	<b>Preparation:</b> EPA 525.2/SPE	<b>Prepared:</b> 11/19/20 09:55			<b>Analyst:</b> rmr	
Dimethoate	ND	0.20	ug/l	1	12/03/20	
Dimethyl phthalate	ND	2.0	ug/l	1	12/03/20	
Di-n-butyl phthalate	ND	2.0	ug/l	1	12/03/20	
Di-n-octyl phthalate	ND	0.50	ug/l	1	12/03/20	
Diphenamid	ND	0.10	ug/l	1	12/03/20	
Disulfoton	ND	0.10	ug/l	1	12/03/20	
Endosulfan I	ND	1.0	ug/l	1	12/03/20	
Endosulfan II	ND	0.20	ug/l	1	12/03/20	
Endosulfan sulfate	ND	0.20	ug/l	1	12/03/20	
Endrin	ND	0.20	ug/l	1	12/03/20	
Endrin aldehyde	ND	0.20	ug/l	1	12/03/20	
Endrin ketone	ND	0.10	ug/l	1	12/03/20	
EPTC	ND	0.10	ug/l	1	12/03/20	
Ethion	ND	0.10	ug/l	1	12/03/20	
Fluoranthene	ND	0.50	ug/l	1	12/03/20	
Fluorene	ND	0.50	ug/l	1	12/03/20	
gamma-BHC (Lindane)	ND	0.10	ug/l	1	12/03/20	
gamma-Chlordane	ND	0.10	ug/l	1	12/03/20	
Heptachlor	ND	0.10	ug/l	1	12/03/20	
Heptachlor epoxide	ND	0.10	ug/l	1	12/03/20	
Hexachlorobenzene	ND	0.10	ug/l	1	12/03/20	
Hexachlorocyclopentadiene	ND	1.0	ug/l	1	12/03/20	
Indeno (1,2,3-cd) pyrene	ND	0.50	ug/l	1	12/03/20	
Methoxychlor	ND	0.20	ug/l	1	12/03/20	
Metolachlor	ND	0.10	ug/l	1	12/03/20	
Metribuzin	ND	0.10	ug/l	1	12/03/20	
Molinate	ND	0.10	ug/l	1	12/03/20	
Naphthalene	ND	0.50	ug/l	1	12/03/20	
Pentachloronitrobenzene (PCNB)	ND	0.10	ug/l	1	12/03/20	
Pentachlorophenol	ND	1.0	ug/l	1	12/03/20	
Phenanthrene	ND	0.50	ug/l	1	12/03/20	
Prometon	ND	0.10	ug/l	1	12/03/20	
Prometryn	ND	0.10	ug/l	1	12/03/20	
Propachlor	ND	0.20	ug/l	1	12/03/20	
Pyrene	ND	0.50	ug/l	1	12/03/20	

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**Project Number:** 94088

**Project Manager:** Libby Cheeseborough

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## Sample Results

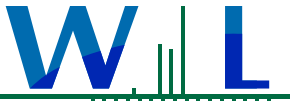
(Continued)

Sample: BA21688, Alias: ERH1205  
OK17070-02 (Water)

Sampled: 11/12/20 9:45 by Client  
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>						
<b>Method:</b> EPA 525.2		<b>Instr:</b> GCMS16				
<b>Batch ID:</b> W0K1121	<b>Preparation:</b> EPA 525.2/SPE	<b>Prepared:</b> 11/19/20 09:55			<b>Analyst:</b> rmr	
Simazine	ND	0.10	ug/l	1	12/03/20	
Terbacil	ND	2.0	ug/l	1	12/03/20	BS-03
Thiobencarb	ND	0.10	ug/l	1	12/03/20	
Trifluralin	ND	0.10	ug/l	1	12/03/20	
Triethion	ND	0.10	ug/l	1	12/03/20	
<i>Surrogate(s)</i>						
1,3-Dimethyl-2-nitrobenzene	122%	Conc: 6.11	70-130		12/03/20	
Perylene-d12	78%	Conc: 3.92	50-120		12/03/20	
Triphenyl phosphate	116%	Conc: 5.81	70-130		12/03/20	





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Project Number: 94088

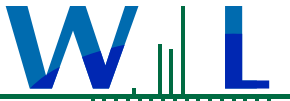
Project Manager: Libby Cheeseborough

Reported:  
12/04/2020 17:25

## Quality Control Results

Semivolatle Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2</b>										
<b>Blank (W0K1121-BLK1)</b>				<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>						
2,4-Dinitrotoluene	ND	2.0	ug/l							
2,6-Dinitrotoluene	ND	2.0	ug/l							
4,4'-DDD	ND	0.10	ug/l							
4,4'-DDE	ND	0.20	ug/l							
4,4'-DDT	ND	0.10	ug/l							
Acenaphthene	ND	0.50	ug/l							
Acenaphthylene	ND	0.50	ug/l							
Acetochlor	ND	0.10	ug/l							
Alachlor	ND	0.10	ug/l							
Aldrin	ND	0.10	ug/l							
alpha-BHC	ND	0.10	ug/l							
alpha-Chlordane	ND	0.10	ug/l							
Anthracene	ND	0.50	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) anthracene	ND	0.50	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Benzo (b) fluoranthene	ND	0.50	ug/l							
Benzo (g,h,i) perylene	ND	0.50	ug/l							
Benzo (k) fluoranthene	ND	0.50	ug/l							
beta-BHC	ND	0.20	ug/l							
Bis(2-ethylhexyl)adipate	ND	5.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	3.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Butyl benzyl phthalate	ND	2.0	ug/l							
Caffeine	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Chrysene	ND	0.50	ug/l							
Cyanazine	ND	0.10	ug/l							
delta-BHC	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dibenzo (a,h) anthracene	ND	0.50	ug/l							
Dieldrin	ND	0.20	ug/l							
Diethyl phthalate	ND	2.0	ug/l							
Dimethoate	ND	0.20	ug/l							
Dimethyl phthalate	ND	2.0	ug/l							
Di-n-butyl phthalate	ND	2.0	ug/l							
Di-n-octyl phthalate	ND	0.50	ug/l							



WECK LABORATORIES, INC.

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FINAL REPORT

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908 N. Temperance Avenue  
Clovis, CA 93611

Project Number: 94088

Project Manager: Libby Cheeseborough

Reported:  
12/04/2020 17:25

## Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2 (Continued)</b>										
<b>Blank (W0K1121-BLK1)</b>				<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>						
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
Endosulfan I	ND	1.0	ug/l							
Endosulfan II	ND	0.20	ug/l							
Endosulfan sulfate	ND	0.20	ug/l							
Endrin	ND	0.20	ug/l							
Endrin aldehyde	ND	0.20	ug/l							
Endrin ketone	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Ethion	ND	0.10	ug/l							
Fluoranthene	ND	0.50	ug/l							
Fluorene	ND	0.50	ug/l							
gamma-BHC (Lindane)	ND	0.10	ug/l							
gamma-Chlordane	ND	0.10	ug/l							
Heptachlor	ND	0.10	ug/l							
Heptachlor epoxide	ND	0.10	ug/l							
Hexachlorobenzene	ND	0.10	ug/l							
Hexachlorocyclopentadiene	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.50	ug/l							
Methoxychlor	ND	0.20	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	ND	0.50	ug/l							
Pentachloronitrobenzene (PCNB)	ND	0.10	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	0.50	ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND	0.20	ug/l							
Pyrene	ND	0.50	ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trifluralin	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
<i>Surrogate(s)</i>										
1,3-Dimethyl-2-nitrobenzene	5.11		ug/l	5.00		102	70-130			
Perylene-d12	3.35		ug/l	5.00		67	50-120			

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## Quality Control Results

(Continued)

### Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2 (Continued)</b>									
<b>Blank (W0K1121-BLK1)</b>									
<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>									
<i>Surrogate(s)</i>									
Triphenyl phosphate	5.37		ug/l	5.00		107 70-130			
<b>LCS (W0K1121-BS1)</b>									
<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>									
4,4'-DDD	ND	0.10	ug/l			70-130			
4,4'-DDE	ND	0.20	ug/l			70-130			
4,4'-DDT	ND	0.10	ug/l			70-130			
Acenaphthene	5.52	0.50	ug/l	5.00		110 70-130			
Acenaphthylene	4.88	0.50	ug/l	5.00		98 70-130			
Acetochlor	5.85	0.10	ug/l	5.00		117 70-130			
Alachlor	5.54	0.10	ug/l	5.00		111 70-130			
Aldrin	ND	0.10	ug/l			70-130			
alpha-BHC	ND	0.10	ug/l			70-130			
alpha-Chlordane	ND	0.10	ug/l			70-130			
Anthracene	5.16	0.50	ug/l	5.00		103 70-130			
Atrazine	5.82	0.10	ug/l	5.00		116 70-130			
Benzo (a) anthracene	5.26	0.50	ug/l	5.00		105 70-130			
Benzo (a) pyrene	4.93	0.10	ug/l	5.00		99 60-130			
Benzo (b) fluoranthene	5.52	0.50	ug/l	5.00		110 70-130			AN-IP
Benzo (g,h,i) perylene	5.25	0.50	ug/l	5.00		105 40-160			
Benzo (k) fluoranthene	5.42	0.50	ug/l	5.00		108 70-130			AN-IP
beta-BHC	ND	0.20	ug/l			70-130			
Bis(2-ethylhexyl)adipate	6.57	5.0	ug/l	5.00		131 70-130			Q-08
Bis(2-ethylhexyl)phthalate	6.31	3.0	ug/l	5.00		126 70-130			
Bromacil	5.28	0.50	ug/l	5.00		106 70-130			
Butachlor	5.93	0.10	ug/l	5.00		119 70-130			
Butyl benzyl phthalate	6.62	2.0	ug/l	5.00		132 70-130			Q-08
Caffeine	5.48	0.10	ug/l	5.00		110 50-120			
Captan	6.28	1.0	ug/l	5.00		126 70-130			
Chlorpropham	6.66	0.10	ug/l	5.00		133 70-130			Q-08
Chrysene	5.88	0.50	ug/l	5.00		118 70-130			
Cyanazine	4.95	0.10	ug/l	5.00		99 70-130			
delta-BHC	ND	0.10	ug/l			70-130			
Diazinon	6.05	0.10	ug/l	5.00		121 50-120			Q-08
Dibenzo (a,h) anthracene	5.41	0.50	ug/l	5.00		108 50-150			
Dieldrin	ND	0.20	ug/l			70-130			
Diethyl phthalate	6.46	2.0	ug/l	5.00		129 70-130			
Dimethoate	5.57	0.20	ug/l	5.00		111 50-120			
Dimethyl phthalate	6.35	2.0	ug/l	5.00		127 70-130			
Di-n-butyl phthalate	6.08	2.0	ug/l	5.00		122 70-130			

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## Quality Control Results

(Continued)

### Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2 (Continued)</b>										
<b>LCS (W0K1121-BS1)</b>										
				<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>						
Di-n-octyl phthalate	6.12	0.50	ug/l	5.00		122	70-130			
Diphenamid	5.65	0.10	ug/l	5.00		113	70-130			
Disulfoton	5.74	0.10	ug/l	5.00		115	50-120			
Endosulfan I	ND	1.0	ug/l				70-130			
Endosulfan II	ND	0.20	ug/l				70-130			
Endosulfan sulfate	ND	0.20	ug/l				70-130			
Endrin	ND	0.20	ug/l				70-130			
Endrin aldehyde	ND	0.20	ug/l				70-130			
Endrin ketone	ND	0.10	ug/l				70-130			
EPTC	5.28	0.10	ug/l	5.00		106	70-130			
Ethion	6.23	0.10	ug/l	5.00		125	70-130			
Fluoranthene	5.61	0.50	ug/l	5.00		112	70-130			
Fluorene	5.80	0.50	ug/l	5.00		116	70-130			
gamma-BHC (Lindane)	ND	0.10	ug/l				70-130			
gamma-Chlordane	ND	0.10	ug/l				70-130			
Heptachlor	ND	0.10	ug/l				70-130			
Heptachlor epoxide	ND	0.10	ug/l				70-130			
Hexachlorobenzene	ND	0.10	ug/l				70-130			
Hexachlorocyclopentadiene	ND	1.0	ug/l				33-106			
Indeno (1,2,3-cd) pyrene	5.17	0.50	ug/l	5.00		103	50-150			
Methoxychlor	ND	0.20	ug/l				70-130			
Metolachlor	5.84	0.10	ug/l	5.00		117	60-130			
Metribuzin	5.08	0.10	ug/l	5.00		102	50-120			
Molinate	5.58	0.10	ug/l	5.00		112	70-130			
Naphthalene	5.33	0.50	ug/l	5.00		107	70-130			
Pentachloronitrobenzene (PCNB)	5.51	0.10	ug/l	5.00		110	70-130			
Pentachlorophenol	4.43	1.0	ug/l	5.00		89	50-120			
Phenanthrene	5.65	0.50	ug/l	5.00		113	70-130			
Prometon	1.80	0.10	ug/l	5.00		36	15-120			
Prometryn	4.55	0.10	ug/l	5.00		91	30-120			
Propachlor	ND	0.20	ug/l				70-130			
Pyrene	5.54	0.50	ug/l	5.00		111	70-130			
Simazine	5.58	0.10	ug/l	5.00		112	60-130			
Terbacil	2.95	2.0	ug/l	5.00		59	70-130			BS-03
Thiobencarb	5.50	0.10	ug/l	5.00		110	70-130			
Trifluralin	ND	0.10	ug/l				70-130			
Trithion	5.30	0.10	ug/l	5.00		106	70-130			
<i>Surrogate(s)</i>										
1,3-Dimethyl-2-nitrobenzene	5.23		ug/l	5.00		105	70-130			

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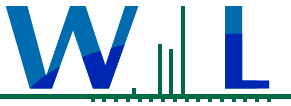
Project Manager: Libby Cheeseborough

## Quality Control Results

(Continued)

### Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2 (Continued)</b>									
<b>LCS (W0K1121-BS1)</b>									
Prepared: 11/19/20 Analyzed: 12/02/20									
<i>Surrogate(s)</i>									
Perylene-d12	4.22		ug/l	5.00		84 50-120			
Triphenyl phosphate	6.07		ug/l	5.00		121 70-130			
<b>Matrix Spike (W0K1121-MS1)</b>									
Source: 0J21014-01 Prepared: 11/19/20 Analyzed: 12/02/20									
4,4'-DDD	ND	0.10	ug/l		ND	70-130			
4,4'-DDE	ND	0.20	ug/l		ND	70-130			
4,4'-DDT	ND	0.10	ug/l		ND	70-130			
Acenaphthene	5.51	0.50	ug/l	5.00	ND	110 70-130			
Acenaphthylene	3.62	0.50	ug/l	5.00	ND	72 70-130			
Acetochlor	5.43	0.10	ug/l	5.00	ND	109 70-130			
Alachlor	5.10	0.10	ug/l	5.00	ND	102 70-130			
Aldrin	ND	0.10	ug/l		ND	70-130			
alpha-BHC	ND	0.10	ug/l		ND	70-130			
alpha-Chlordane	ND	0.10	ug/l		ND	70-130			
Anthracene	5.13	0.50	ug/l	5.00	ND	103 70-130			
Atrazine	5.37	0.10	ug/l	5.00	ND	107 70-130			
Benzo (a) anthracene	5.24	0.50	ug/l	5.00	ND	105 70-130			
Benzo (a) pyrene	4.78	0.10	ug/l	5.00	ND	96 60-130			
Benzo (b) fluoranthene	5.37	0.50	ug/l	5.00	ND	107 70-130			AN-IP
Benzo (g,h,i) perylene	4.51	0.50	ug/l	5.00	ND	90 40-160			
Benzo (k) fluoranthene	5.33	0.50	ug/l	5.00	ND	107 70-130			AN-IP
beta-BHC	ND	0.20	ug/l		ND	70-130			
Bis(2-ethylhexyl)adipate	6.44	5.0	ug/l	5.00	ND	129 70-130			
Bis(2-ethylhexyl)phthalate	6.03	3.0	ug/l	5.00	ND	121 70-130			
Bromacil	5.53	0.50	ug/l	5.00	ND	111 70-130			
Butachlor	5.37	0.10	ug/l	5.00	ND	107 70-130			
Butyl benzyl phthalate	6.33	2.0	ug/l	5.00	ND	127 70-130			
Caffeine	5.42	0.10	ug/l	5.00	ND	108 50-120			
Captan	6.73	1.0	ug/l	5.00	ND	135 70-130			Q-08
Chlorpropham	6.78	0.10	ug/l	5.00	ND	136 70-130			Q-08
Chrysene	5.78	0.50	ug/l	5.00	ND	116 70-130			
Cyanazine	4.92	0.10	ug/l	5.00	ND	98 70-130			
delta-BHC	ND	0.10	ug/l		ND	70-130			
Diazinon	5.90	0.10	ug/l	5.00	ND	118 50-120			
Dibenzo (a,h) anthracene	5.08	0.50	ug/l	5.00	ND	102 50-150			
Dieldrin	ND	0.20	ug/l		ND	70-130			
Diethyl phthalate	6.48	2.0	ug/l	5.00	ND	130 70-130			
Dimethoate	5.81	0.20	ug/l	5.00	ND	116 50-120			
Dimethyl phthalate	6.32	2.0	ug/l	5.00	ND	126 70-130			



WECK LABORATORIES, INC.

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## Quality Control Results

(Continued)

Semivolatle Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W0K1121 - EPA 525.2 (Continued)										
Matrix Spike (W0K1121-MS1)			Source: 0J21014-01			Prepared: 11/19/20 Analyzed: 12/02/20				
Di-n-butyl phthalate	5.86	2.0	ug/l	5.00	ND	117	70-130			
Di-n-octyl phthalate	6.16	0.50	ug/l	5.00	ND	123	70-130			
Diphenamid	5.23	0.10	ug/l	5.00	ND	105	70-130			
Disulfoton	5.35	0.10	ug/l	5.00	ND	107	50-120			
Endosulfan I	ND	1.0	ug/l		ND		70-130			
Endosulfan II	ND	0.20	ug/l		ND		70-130			
Endosulfan sulfate	ND	0.20	ug/l		ND		70-130			
Endrin	ND	0.20	ug/l		ND		70-130			
Endrin aldehyde	ND	0.20	ug/l		ND		70-130			
Endrin ketone	ND	0.10	ug/l		ND		70-130			
EPTC	5.28	0.10	ug/l	5.00	ND	106	70-130			
Ethion	6.09	0.10	ug/l	5.00	ND	122	70-130			
Fluoranthene	5.58	0.50	ug/l	5.00	ND	112	70-130			
Fluorene	5.80	0.50	ug/l	5.00	ND	116	70-130			
gamma-BHC (Lindane)	ND	0.10	ug/l		ND		70-130			
gamma-Chlordane	ND	0.10	ug/l		ND		70-130			
Heptachlor	ND	0.10	ug/l		ND		70-130			
Heptachlor epoxide	ND	0.10	ug/l		ND		70-130			
Hexachlorobenzene	ND	0.10	ug/l		ND		70-130			
Hexachlorocyclopentadiene	ND	1.0	ug/l		ND		33-106			
Indeno (1,2,3-cd) pyrene	4.81	0.50	ug/l	5.00	ND	96	50-150			
Methoxychlor	ND	0.20	ug/l		ND		70-130			
Metolachlor	5.47	0.10	ug/l	5.00	ND	109	60-130			
Metribuzin	5.23	0.10	ug/l	5.00	ND	105	50-120			
Molinate	5.48	0.10	ug/l	5.00	ND	110	70-130			
Naphthalene	5.35	0.50	ug/l	5.00	ND	107	70-130			
Pentachloronitrobenzene (PCNB)	5.43	0.10	ug/l	5.00	ND	109	70-130			
Pentachlorophenol	3.45	1.0	ug/l	5.00	ND	69	50-120			
Phenanthrene	5.56	0.50	ug/l	5.00	ND	111	70-130			
Prometon	2.35	0.10	ug/l	5.00	ND	47	15-120			
Prometryn	3.68	0.10	ug/l	5.00	ND	74	30-120			
Propachlor	ND	0.20	ug/l		ND		70-130			
Pyrene	5.42	0.50	ug/l	5.00	ND	108	70-130			
Simazine	5.31	0.10	ug/l	5.00	ND	106	60-130			
Terbacil	4.59	2.0	ug/l	5.00	ND	92	70-130			
Thiobencarb	5.35	0.10	ug/l	5.00	ND	107	70-130			
Trifluralin	ND	0.10	ug/l		ND		70-130			
Trithion	5.56	0.10	ug/l	5.00	ND	111	70-130			

Surrogate(s)

OK17070

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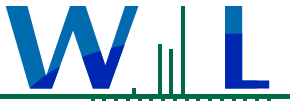
Project Manager: Libby Cheeseborough

## Quality Control Results

(Continued)

### Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2 (Continued)</b>										
<b>Matrix Spike (W0K1121-MS1)</b>			<b>Source: OJ21014-01</b>			<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>				
<i>Surrogate(s)</i>										
1,3-Dimethyl-2-nitrobenzene	5.24		ug/l	5.00		105	70-130			
Perylene-d12	4.28		ug/l	5.00		86	50-120			
Triphenyl phosphate	5.71		ug/l	5.00		114	70-130			
<b>Matrix Spike Dup (W0K1121-MSD1)</b>			<b>Source: OJ21014-01</b>			<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>				
4,4'-DDD	ND	0.10	ug/l		ND		70-130		30	
4,4'-DDE	ND	0.20	ug/l		ND		70-130		30	
4,4'-DDT	ND	0.10	ug/l		ND		70-130		30	
Acenaphthene	5.46	0.50	ug/l	5.00	ND	109	70-130	0.9	30	
Acenaphthylene	4.73	0.50	ug/l	5.00	ND	95	70-130	27	30	
Acetochlor	5.89	0.10	ug/l	5.00	ND	118	70-130	8	30	
Alachlor	5.39	0.10	ug/l	5.00	ND	108	70-130	6	30	
Aldrin	ND	0.10	ug/l		ND		70-130		30	
alpha-BHC	ND	0.10	ug/l		ND		70-130		30	
alpha-Chlordane	ND	0.10	ug/l		ND		70-130		30	
Anthracene	5.39	0.50	ug/l	5.00	ND	108	70-130	5	30	
Atrazine	5.61	0.10	ug/l	5.00	ND	112	70-130	4	30	
Benzo (a) anthracene	5.53	0.50	ug/l	5.00	ND	111	70-130	6	30	
Benzo (a) pyrene	5.27	0.10	ug/l	5.00	ND	105	60-130	10	30	
Benzo (b) fluoranthene	5.56	0.50	ug/l	5.00	ND	111	70-130	3	30	AN-IP
Benzo (g,h,i) perylene	5.11	0.50	ug/l	5.00	ND	102	40-160	13	30	
Benzo (k) fluoranthene	5.53	0.50	ug/l	5.00	ND	111	70-130	4	30	AN-IP
beta-BHC	ND	0.20	ug/l		ND		70-130		30	
Bis(2-ethylhexyl)adipate	6.75	5.0	ug/l	5.00	ND	135	70-130	5	30	Q-08
Bis(2-ethylhexyl)phthalate	6.46	3.0	ug/l	5.00	ND	129	70-130	7	30	
Bromacil	5.53	0.50	ug/l	5.00	ND	111	70-130	0.03	30	
Butachlor	5.94	0.10	ug/l	5.00	ND	119	70-130	10	30	
Butyl benzyl phthalate	6.68	2.0	ug/l	5.00	ND	134	70-130	5	30	Q-08
Caffeine	5.98	0.10	ug/l	5.00	ND	120	50-120	10	30	
Captan	7.63	1.0	ug/l	5.00	ND	153	70-130	13	30	Q-08
Chlorpropham	6.75	0.10	ug/l	5.00	ND	135	70-130	0.5	30	Q-08
Chrysene	5.85	0.50	ug/l	5.00	ND	117	70-130	1	30	
Cyanazine	6.36	0.10	ug/l	5.00	ND	127	70-130	26	30	
delta-BHC	ND	0.10	ug/l		ND		70-130		30	
Diazinon	6.16	0.10	ug/l	5.00	ND	123	50-120	4	30	Q-08
Dibenzo (a,h) anthracene	5.36	0.50	ug/l	5.00	ND	107	50-150	5	30	
Dieldrin	ND	0.20	ug/l		ND		70-130		30	
Diethyl phthalate	6.32	2.0	ug/l	5.00	ND	126	70-130	2	30	
Dimethoate	6.35	0.20	ug/l	5.00	ND	127	50-120	9	30	Q-08



WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

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908 N. Temperance Avenue  
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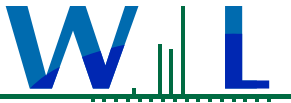
## Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W0K1121 - EPA 525.2 (Continued)										
Matrix Spike Dup (W0K1121-MSD1)			Source: 0J21014-01			Prepared: 11/19/20 Analyzed: 12/02/20				
Dimethyl phthalate	6.32	2.0	ug/l	5.00	ND	126	70-130	0.1	30	
Di-n-butyl phthalate	6.08	2.0	ug/l	5.00	ND	122	70-130	4	30	
Di-n-octyl phthalate	6.60	0.50	ug/l	5.00	ND	132	70-130	7	30	Q-08
Diphenamid	5.70	0.10	ug/l	5.00	ND	114	70-130	9	30	
Disulfoton	6.03	0.10	ug/l	5.00	ND	121	50-120	12	30	Q-08
Endosulfan I	ND	1.0	ug/l		ND		70-130		30	
Endosulfan II	ND	0.20	ug/l		ND		70-130		30	
Endosulfan sulfate	ND	0.20	ug/l		ND		70-130		30	
Endrin	ND	0.20	ug/l		ND		70-130		30	
Endrin aldehyde	ND	0.20	ug/l		ND		70-130		30	
Endrin ketone	ND	0.10	ug/l		ND		70-130		30	
EPTC	5.31	0.10	ug/l	5.00	ND	106	70-130	0.6	30	
Ethion	6.39	0.10	ug/l	5.00	ND	128	70-130	5	30	
Fluoranthene	5.69	0.50	ug/l	5.00	ND	114	70-130	2	30	
Fluorene	5.80	0.50	ug/l	5.00	ND	116	70-130	0.08	30	
gamma-BHC (Lindane)	ND	0.10	ug/l		ND		70-130		30	
gamma-Chlordane	ND	0.10	ug/l		ND		70-130		30	
Heptachlor	ND	0.10	ug/l		ND		70-130		30	
Heptachlor epoxide	ND	0.10	ug/l		ND		70-130		30	
Hexachlorobenzene	ND	0.10	ug/l		ND		70-130		30	
Hexachlorocyclopentadiene	ND	1.0	ug/l		ND		33-106		30	
Indeno (1,2,3-cd) pyrene	5.22	0.50	ug/l	5.00	ND	104	50-150	8	30	
Methoxychlor	ND	0.20	ug/l		ND		70-130		30	
Metolachlor	5.80	0.10	ug/l	5.00	ND	116	60-130	6	30	
Metribuzin	5.64	0.10	ug/l	5.00	ND	113	50-120	8	30	
Molinate	5.48	0.10	ug/l	5.00	ND	110	70-130	0.09	30	
Naphthalene	5.39	0.50	ug/l	5.00	ND	108	70-130	0.7	30	
Pentachloronitrobenzene (PCNB)	5.70	0.10	ug/l	5.00	ND	114	70-130	5	30	
Pentachlorophenol	2.76	1.0	ug/l	5.00	ND	55	50-120	22	30	
Phenanthrene	5.72	0.50	ug/l	5.00	ND	114	70-130	3	30	
Prometon	3.09	0.10	ug/l	5.00	ND	62	15-120	27	30	
Prometryn	4.47	0.10	ug/l	5.00	ND	89	30-120	19	30	
Propachlor	ND	0.20	ug/l		ND		70-130		30	
Pyrene	5.63	0.50	ug/l	5.00	ND	113	70-130	4	30	
Simazine	5.78	0.10	ug/l	5.00	ND	116	60-130	8	30	
Terbacil	6.65	2.0	ug/l	5.00	ND	133	70-130	37	30	Q-08
Thiobencarb	5.38	0.10	ug/l	5.00	ND	108	70-130	0.4	30	
Trifluralin	ND	0.10	ug/l		ND		70-130		30	
Trithion	5.78	0.10	ug/l	5.00	ND	116	70-130	4	30	





WECK LABORATORIES, INC.

APPL, Inc.  
908 N. Temperance Avenue  
Clovis, CA 93611

Project Number: 94088

Project Manager: Libby Cheeseborough

# Certificate of Analysis

FINAL REPORT

Reported:  
12/04/2020 17:25

## Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0K1121 - EPA 525.2 (Continued)</b>										
<b>Matrix Spike Dup (W0K1121-MSD1)</b>										
<b>Source: 0J21014-01</b>										
<b>Prepared: 11/19/20 Analyzed: 12/02/20</b>										
<i>Surrogate(s)</i>										
1,3-Dimethyl-2-nitrobenzene	5.30		ug/l	5.00		106	70-130			
Perylene-d12	4.74		ug/l	5.00		95	50-120			
Triphenyl phosphate	6.14		ug/l	5.00		123	70-130			

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## Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
BS-03	The recovery of this analyte in the BS/LCS was outside the control limits. The sample result was accepted based on another acceptable BS/LCS and/or MS and MSD that meet BS criteria.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.