APPENDIX F2

Phase II Environmental Investigation

Haley & Aldrich, Inc.
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21 December 2018
File No. 132734-001

TC No. Cal. Development, Inc.
415 Mission Street, 45th Floor
San Francisco, California 94105

Attention: Mr. Tom Jodry
Senior Vice President, Development Management

Subject: Results of Limited Phase II Environmental Investigation
Assessor Parcel Numbers 728-30-006, -009; 728-31-014, - 015, and -016
Morgan Hill, California

Dear Mr. Jodry:

Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this report to TC No. Cal. Development, Inc. (TC No Cal) documenting the results of the Limited Phase II Environmental Investigation conducted on the property located between Cochrane Road and Half Road, west of De Paul Drive, and east of US Highway 101, in Morgan Hill, California (the Site).

Project Background

The approximately 58-acre Site encompasses the following five Santa Clara County Assessor Parcel Numbers (APNs): 728-30-006, and -009; and 728-31-014, -015, and -016 (Figure 1). TC No Cal is currently evaluating purchasing this Site for redevelopment as a commercial property and as part of their due diligence activities retained Haley & Aldrich to prepare a Phase I Environmental Site Assessment (ESA). The Phase I ESA did not identify any recognized environmental conditions (RECs), historical RECs (HRECs), or controlled RECs (CRECs). Previously completed environmental investigation activities[1] did detect concentrations of organochlorine pesticides (OCPs) in shallow soil; however, the detected concentrations did not exceed the commercial/industrial Environmental Screening Levels (ESLs) established by the San Francisco Bay Regional Water Quality Control Board (RWQCB).[2] In addition, concentrations of arsenic were detected that likely represented naturally occurring background conditions, and elevated concentrations of lead were detected in the shallow soil surrounding the structure located in the northern portion of the Site. It is suspected the elevated lead concentrations may be attributed to the presence of lead-based paint on the exterior walls of this structure. The detected lead concentrations were also below its commercial/industrial ESL, except in two samples with slight exceedances.

[1] *Limited Phase II Agricultural Investigation*, dated 20 September 2018, prepared by AEI Consultants; and *Additional Investigation of Lead in Soil*, dated 30 October 2018, prepared by AEI Consultants.
[2] December 2016 (Rev 3).

Limited Phase II Environmental Investigation

Haley & Aldrich performed a Limited Phase II Environmental Investigation to independently verify for TC No Cal the results of the Site's previously completely environmental investigation activities. Our investigation included collecting and submitting for laboratory analysis 41 soil samples collected from 21 boring locations (Figure 2), as further described below.

FIELD SAMPLING PROGRAM

Haley & Aldrich performed the field sampling program on 12 December 2018, which included:

- Hand-augering 15 boring locations, approximately one for every 4 acres, randomly spaced across the Site.
- Hand-augering six borings at the perimeter of the structure (i.e., one boring per perimeter wall) located in the northern portion of the Site.
- Collecting two soil samples per boring at 0.5 feet and 2.5 feet below ground surface (bgs)[3] following standard environmental sampling methodologies. Each sample was placed in a laboratory-provided glass jar, which was labeled with the boring location identification and the sample depth, placed in a resealable plastic bag, and stored in a cooler with ice for transportation under chain-of-custody documentation to TestAmerica Laboratories, Inc. (TestAmerica), a California-certified analytical laboratory located in Pleasanton, California.
- Backfilling each boring location with the removed soil.

The soil samples collected from the 15 boring locations spaced across the Site were analyzed by TestAmerica for the following:

- Organochlorine pesticides (OCPs) using United States Environmental Protection Agency (USEPA) Method 8081A; and,
- Arsenic using USEPA Method 6010B.

The soil samples collected from the six borings at the perimeter of the structure located in the northern portion of the Site were analyzed by TestAmerica for the following:

- Lead using USEPA Method 6010B.

[3] Due to encountered field conditions, the 2.5 feet bgs soil samples for three boring locations were either collected from a shallower depth or could not be collected.

ANALYTICAL RESULTS

The analytical results obtained from the Limited Phase II Environmental Investigation are summarized in Table 1, and a copy of the TestAmerica analytical laboratory report is attached. The analytical results were compared against the ESLs established by the RWQCB. For this evaluation, Tier 1 ESLs were initially compared against the detected concentrations. If a Tier 1 ESL was exceeded, then a further site-specific evaluation was performed through comparison against the commercial/industrial ESL. For arsenic, the detected concentrations were also compared against the natural background concentration established by the RWQCB for the San Francisco Bay Area.

Haley & Aldrich's review of this investigation's analytical results indicates the following:

- OCPs detected include: 4,4'-DDD; 4,4'-DDE; 4,4'-DDT; alpha-chlordane; gamma-chlordane; chlordane; and dieldrin. Of the detected OCPs, only dieldrin was present at concentrations exceeding its Tier 1 ESL, 0.17 micrograms per kilograms (µg/kg). As the dieldrin Tier 1 ESL is based on a potential concern associated with the theoretical leaching to groundwater that is a current source of drinking water, which is not an actual concern for the Site, the detected concentrations were also compared against its commercial/industrial ESL, 170 µg/kg, which was not exceeded.[4] Therefore, these detections do not represent a potential concern.
- Toxaphene was not detected at concentrations greater than its method detection limit (MDL), however, the MDL exceeded its Tier 1 ESL. As the MDL did not exceed the commercial/industrial ESL, nor does it exceed the residential ESL, these non-detects do not represent a potential concern.
- Arsenic was detected at concentrations exceeding both its Tier 1 and commercial/industrial ESLs; however, it did not exceed its San Francisco Bay Area natural background concentration of 11 milligrams per kilogram (mg/kg). Therefore, these detections do not represent a potential concern.
- Lead was detected at concentrations below its Tier 1 ESL, and therefore, no potential concerns are identified.

Conclusions and Recommendations

The results of the Limited Phase II Environmental Investigation performed by Haley & Aldrich at the Site did not indicate potential concerns associated with the commercial redevelopment of this property. These results were similar to those obtained from the Site's previous environmental investigation activities. Although elevated lead concentrations were not detected in the shallow soil surrounding the structure located on the northern portion of the Site during this investigation, given the previous investigation's results, the potential for a portion of this soil to be impacted with lead remains.

[4] Dieldrin's residential ESL, 38 µg/kg, was also not exceeded.

Haley & Aldrich appreciates the opportunity to provide TC No Cal environmental services for this project. Please do not hesitate to contact us if you have questions or comments on the findings of our Limited Phase II Environmental Investigation.

Sincerely yours,
HALEY & ALDRICH, INC.

Jason Grant, P.E.
Project Manager

Voytek Bajsarowicz
Senior Associate

Attachments:

Table 1 – Summary of Analytical Results
Figure 1 – Project Locus
Figure 2 – Soil Sampling Plan
TestAmerica Laboratories, Inc. Analytical Report

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TABLE 1
SUMMARY OF ANALYTICAL RESULTS
Limited Phase II Environmental Investigation
Morgan Hill, California

Location ID	Tier 1 ESL	Commercial/ Industrial ESL	HA-01	HA-01	HA-02	HA-02	HA-03	HA-03	HA-04	HA-04	HA-05	HA-05	HA-06	HA-06	HA-07	HA-07	HA-08	HA-08
Sample Date			12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018
Sample Depth (ft bgs)			0.5	2.25	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5
Inorganic Compounds (mg/kg)																		
Arsenic [1]	0.067	0.31	**5.5**	**5.4**	**6.2**	**8.1**	**6.6**	**7.3**	**8.0**	**7.7**	**7.9**	**6.4**	**1.8**	**5.8**	**6.3**	**5.6**	**5.3**	**4.7**
Lead	80	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Organochlorine Pesticides (µg/kg)																		
4,4'-DDD	2700	12000	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61
4,4'-DDE	1900	8500	**3.0**	**2.6**	**11**	< 0.42	**6.1**	< 0.42	**4.3**	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	**4.8**	< 0.42	**3.7**	**5.4**
4,4'-DDT	1900	8500	< 0.41	< 0.41	**2.2**	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	**2.8**	< 0.41	< 0.41	< 0.41
Aldrin	36	160	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
alpha-BHC	--	--	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
alpha-Chlordane	--	--	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
beta-BHC	--	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chlordane	480	2200	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2
delta-BHC	--	--	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Dieldrin	0.17	170	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Endosulfan I	--	--	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Endosulfan II	--	--	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Endosulfan sulfate	--	--	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Endrin	0.65	290000	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Endrin aldehyde	--	--	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Endrin ketone	--	--	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
gamma-BHC (Lindane)	9.8	2500	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
gamma-Chlordane	--	--	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Heptachlor	0.77	600	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Heptachlor epoxide	0.42	300	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Hexachlorobenzene	340	1500	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methoxychlor	19000	4800000	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.67	< 0.68	< 0.67	< 0.68
Toxaphene	0.42	2200	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8

Notes:
Non-detected data is reported to the method detection limit (< MDL).
Detects are **bolded**.
ESL = Environmental Screening Level, established by the San Francisco Bay Regional Water Quality Control Board (RWQCB), February 2016 (Rev 3)
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
[1] = natural background concentration for arsenic established by the RWQCB is 11 mg/kg
Concentration exceeds Tier 1 ESL
Concentration exceeds Commercial/Industrial ESL

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
Limited Phase II Environmental Investigation
Morgan Hill, California

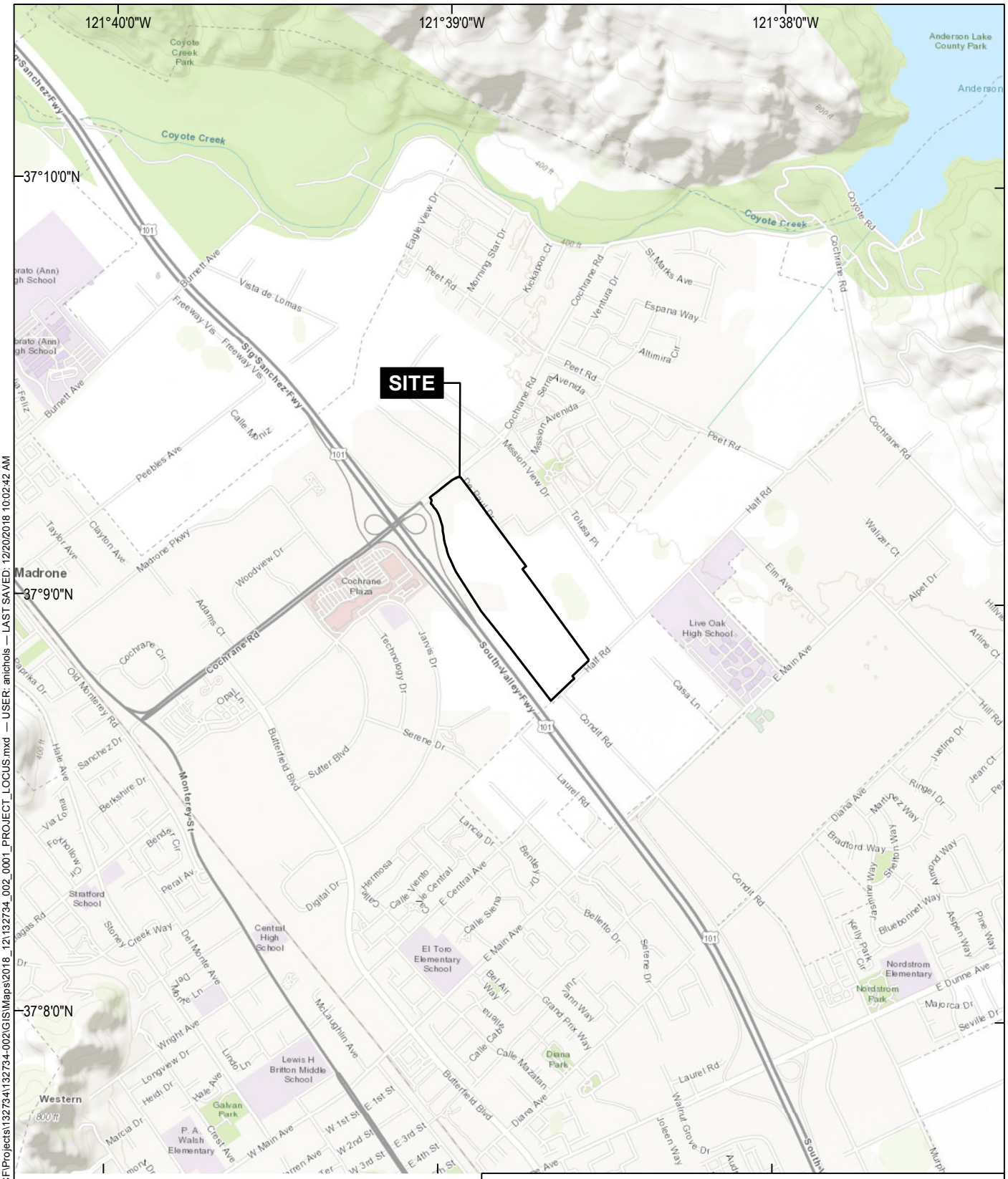
Location ID	Tier 1 ESL	Commercial/ Industrial ESL	HA-09	HA-09	HA-10	HA-10	HA-11	HA-11	HA-12	HA-12	HA-13	HA-13	HA-14	HA-14	HA-15	HA-15	HA-16	HA-16
Sample Date			12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018
Sample Depth (ft bgs)			0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	1.5	0.5	2.5
Inorganic Compounds (mg/kg)																		
Arsenic [1]	0.067	0.31	**5.6**	**6.3**	**5.8**	**5.4**	**6.4**	**5.6**	**4.6**	**6.9**	**6.8**	**11**	**8.5**	**8.4**	**7.3**	**6.8**	**7.1**	**8.3**
Lead	80	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Organochlorine Pesticides (µg/kg)																		
4,4'-DDD	2700	12000	< 0.61	< 0.61	**12**	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.60	< 0.61	< 0.61	< 0.61	< 0.61
4,4'-DDE	1900	8500	< 0.42	< 0.42	**100**	**14**	**3.5**	< 0.42	< 0.42	< 0.42	**11**	**2.8 J**	**14**	**4.9**	**38**	**35**	**2.5**	**3.7**
4,4'-DDT	1900	8500	< 0.41	< 0.41	**21**	< 0.41	**3.5**	< 0.41	< 0.41	< 0.41	**3.3**	< 0.41	**5.0**	< 0.41	**7.6**	**5.5**	< 0.41	< 0.41
Aldrin	36	160	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
alpha-BHC	--	--	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
alpha-Chlordane	--	--	< 0.40	< 0.40	**15**	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**2.3**	< 0.40	< 0.40	< 0.40
beta-BHC	--	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chlordane	480	2200	< 3.2	< 3.2	**65**	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2
delta-BHC	--	--	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Dieldrin	0.17	170	< 0.59	< 0.59	**3.3**	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	**17**	**5.9**	**11**	**3.7**	< 0.59	< 0.59	< 0.59	< 0.59
Endosulfan I	--	--	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Endosulfan II	--	--	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Endosulfan sulfate	--	--	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Endrin	0.65	290000	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Endrin aldehyde	--	--	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.62	< 0.63	< 0.63	< 0.63	< 0.63
Endrin ketone	--	--	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
gamma-BHC (Lindane)	9.8	2500	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.62	< 0.63	< 0.63	< 0.63	< 0.63
gamma-Chlordane	--	--	< 0.46	< 0.46	**6.2**	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	**2.9**	< 0.46	< 0.46	< 0.46
Heptachlor	0.77	600	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Heptachlor epoxide	0.42	300	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Hexachlorobenzene	340	1500	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methoxychlor	19000	4800000	< 0.68	< 0.67	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.67	< 0.68	< 0.68	< 0.68	< 0.68
Toxaphene	0.42	2200	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8

Notes:
Non-detected data is reported to the method detection limit (< MDL).
Detects are **bolded**.
ESL = Environmental Screening Level, established by the San Francisco Bay Regional Water Quality Control Board (RWQCB), February 2016 (Rev 3)
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
[1] = natural background concentration for arsenic established by the RWQCB is 11 mg/kg
Concentration exceeds Tierl 1 ESL
Concentration exceeds Commercial/Industrial ESL

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
Limited Phase II Environmental Investigation
Morgan Hill, California

Location ID	Tier 1 ESL	Commercial/ Industrial ESL	HA-ST-01	HA-ST-01	HA-ST-02	HA-ST-02	HA-ST-03	HA-ST-03	HA-ST-04	HA-ST-04	HA-ST-05	HA-ST-05	HA-ST-06
Sample Date			12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018
Sample Depth (ft bgs)			0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5
Inorganic Compounds (mg/kg)													
Arsenic [1]	0.067	0.31	--	--	--	--	--	--	--	--	--	--	--
Lead	80	320	**32**	**9.7**	**27**	**7.1**	**12**	**6.6**	**11**	**7.1**	**11**	**8.2**	**41**
Organochlorine Pesticides (µg/kg)													
4,4'-DDD	2700	12000	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	1900	8500	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	1900	8500	--	--	--	--	--	--	--	--	--	--	--
Aldrin	36	160	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane	480	2200	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	0.17	170	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	0.65	290000	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	9.8	2500	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	0.77	600	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	0.42	300	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	340	1500	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	19000	4800000	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	0.42	2200	--	--	--	--	--	--	--	--	--	--	--

Notes:
Non-detected data is reported to the method detection limit (< MDL).
Detects are **bolded**.
ESL = Environmental Screening Level, established by the San Francisco Bay Regional Water Quality Control Board (RWQCB), February 2016 (Rev 3)
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
[1] = natural background concentration for arsenic established by the RWQCB is 11 mg/kg
Concentration exceeds Tierl 1 ESL
Concentration exceeds Commercial/Industrial ESL



MAP SOURCE: ESRI
SITE COORDINATES: 37°09'00"N, 121°38'50"W

HALEY ALDRICH

ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT
1040 COCHRANE ROAD AND 1065 HALF ROAD
APNS 728-30-006, -008, -009; 728-31-014, -015 AND -016
MORGAN HILL, CALIFORNIA

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
DECEMBER 2018

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\132734\132734-002\GIS\Maps\2018_12\132734_002_0001_PROJECT_LOCUS.mxd — USER: anichols — LAST SAVED: 12/20/2018 10:02:42 AM

LEGEND

- SOIL BORING (OCPs, ARSENIC)
- SOIL BORING (LEAD)
- WELL
- SITE FEATURE
- STRUCTURE
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL BORINGS CONDUCTED ON 12 DECEMBER 2018.
3. AERIAL IMAGERY SOURCE: ESRI

0 250 500
MAIN MAP SCALE IN FEET

HALEY ALDRICH

1040-1045 COCHRANE ROAD
1065-1105 HALF ROAD
MORGAN HILL, CALIFORNIA

SOIL SAMPLING PLAN

DECEMBER 2018

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\132734\132734-002\GIS\Maps\2018_12\132734_003_0002_SOIL_SAMPLING_PLAN.mxd — USER: anichols — LAST SAVED: 12/21/2018 1:29:04 PM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-90277-1
Client Project/Site: TCC Cochrance Limited Phase II

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Jason Grant

Authorized for release by:
12/19/2018 5:12:06 PM

Micah Smith, Project Manager II
(925)484-1919
micah.smith@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-90277-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-90277-1

Comments
No additional comments.

Receipt
The samples were received on 12/13/2018 8:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.8º C.

GC Semi VOA
Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 720-256939 and analytical batch 720-256957 were outside control limits. Sample matrix interference and non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE for the following sample: HA-13-2.5 (720-90277-26). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 720-256922 and analytical batch 720-257049 recovered outside control limits for the following analytes: Endrin aldehyde. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 720-256922 and analytical batch 720-257049 were outside control limits. Sample matrix interference and non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 720-256934 and analytical batch 720-257049 were outside control limits. Sample matrix interference and non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for cis-Chlordane for the following sample: HA-15-0.5 (720-90277-29). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The continuing calibration verification (CCV) associated with batch 720-257049 recovered above the upper control limit for Chlordane (technical). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: HA-01-0.5 (720-90277-1), HA-01-2.25 (720-90277-2), HA-02-0.5 (720-90277-3), HA-02-2.5 (720-90277-4), HA-03-0.5 (720-90277-5), HA-03-2.5 (720-90277-6), HA-04-0.5 (720-90277-7), HA-15-0.5 (720-90277-29), HA-15-1.5 (720-90277-30), HA-16-0.5 (720-90277-31), (MB 720-256922/1-A) and (MB 720-256934/1-A).

Method(s) 8081A: The %RPD between the primary and confirmation column / detector exceeded 40% for cis-Chlordane and trans-Chlordane for the following sample: HA-10-0.5 (720-90277-19). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The %RPD between the primary and confirmation column / detector exceeded 40% for 4,4'-DDE for the following sample: HA-10-2.5 (720-90277-20). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 720-256922 and analytical batch 720-257118 recovered outside control limits for the following analytes: Endrin aldehyde. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The following samples were diluted due to the abundance of non-target analytes: HA-01-0.5 (720-90277-1), HA-02-0.5 (720-90277-3), HA-02-2.5 (720-90277-4), HA-03-0.5 (720-90277-5), HA-03-2.5 (720-90277-6), HA-04-0.5 (720-90277-7), HA-04-2.5

Job ID: 720-90277-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

(720-90277-8), HA-05-0.5 (720-90277-9), HA-05-2.5 (720-90277-10), HA-06-0.5 (720-90277-11), HA-06-2.5 (720-90277-12), HA-07-0.5 (720-90277-13), HA-07-2.5 (720-90277-14), HA-08-0.5 (720-90277-15), HA-08-2.0 (720-90277-16), HA-09-0.5 (720-90277-17), HA-09-2.5 (720-90277-18), HA-10-0.5 (720-90277-19), HA-10-2.5 (720-90277-20), HA-11-0.5 (720-90277-21), HA-11-2.5 (720-90277-22), HA-12-0.5 (720-90277-23), HA-12-2.5 (720-90277-24), HA-13-0.5 (720-90277-25), HA-13-2.5 (720-90277-26), HA-14-0.5 (720-90277-27), HA-14-2.5 (720-90277-28), HA-15-0.5 (720-90277-29), HA-15-1.5 (720-90277-30), HA-16-0.5 (720-90277-31), HA-16-2.5 (720-90277-32), HA-ST-01-0.5 (720-90277-33), HA-ST-01-2.5 (720-90277-34), HA-ST-02-0.5 (720-90277-35), HA-ST-02-2.5 (720-90277-36), HA-ST-03-0.5 (720-90277-37), HA-ST-03-2.5 (720-90277-38), HA-ST-04-0.5 (720-90277-39), HA-ST-04-2.5 (720-90277-40), HA-ST-05-0.5 (720-90277-41), HA-ST-05-2.5 (720-90277-42) and HA-ST-06-0.5 (720-90277-43). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-01-0.5 — Lab Sample ID: 720-90277-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.0	F1	2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	5.5		3.3	0.28	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-01-2.25 — Lab Sample ID: 720-90277-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	2.6		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	5.4		3.5	0.30	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-02-0.5 — Lab Sample ID: 720-90277-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	2.2		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	11		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	6.2		3.4	0.29	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-02-2.5 — Lab Sample ID: 720-90277-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.1		3.3	0.28	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-03-0.5 — Lab Sample ID: 720-90277-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	6.1		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	6.6		3.4	0.29	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-03-2.5 — Lab Sample ID: 720-90277-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.3		2.5	0.21	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-04-0.5 — Lab Sample ID: 720-90277-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	4.3		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	8.0		3.0	0.25	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-04-2.5 — Lab Sample ID: 720-90277-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.7		3.1	0.26	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-05-0.5 — Lab Sample ID: 720-90277-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.9		3.3	0.28	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-05-2.5 — Lab Sample ID: 720-90277-10

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-05-2.5 (Continued) — Lab Sample ID: 720-90277-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.4		3.1	0.26	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-06-0.5 — Lab Sample ID: 720-90277-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.8		0.73	0.062	mg/Kg	1		6010B	Total/NA

Client Sample ID: HA-06-2.5 — Lab Sample ID: 720-90277-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.8		2.5	0.21	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-07-0.5 — Lab Sample ID: 720-90277-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	2.8		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	4.8		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	6.3		2.6	0.22	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-07-2.5 — Lab Sample ID: 720-90277-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.6		3.1	0.27	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-08-0.5 — Lab Sample ID: 720-90277-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.7		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	5.3		3.1	0.27	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-08-2.0 — Lab Sample ID: 720-90277-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	5.4		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	4.7		2.5	0.21	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-09-0.5 — Lab Sample ID: 720-90277-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.6		2.5	0.22	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-09-2.5 — Lab Sample ID: 720-90277-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.3		3.2	0.27	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-10-0.5 — Lab Sample ID: 720-90277-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	3.3		2.0	0.59	ug/Kg	1		8081A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-10-0.5 (Continued) — Lab Sample ID: 720-90277-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	21		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	100		2.0	0.42	ug/Kg	1		8081A	Total/NA
4,4'-DDD	12		2.0	0.61	ug/Kg	1		8081A	Total/NA
Chlordane (technical)	65		40	3.2	ug/Kg	1		8081A	Total/NA
cis-Chlordane	15	p	2.0	0.40	ug/Kg	1		8081A	Total/NA
trans-Chlordane	6.2	p	2.0	0.46	ug/Kg	1		8081A	Total/NA
Arsenic	5.8		2.6	0.22	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-10-2.5 — Lab Sample ID: 720-90277-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	14	p	2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	5.4		2.9	0.25	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-11-0.5 — Lab Sample ID: 720-90277-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.5		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	3.5		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	6.4		3.5	0.30	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-11-2.5 — Lab Sample ID: 720-90277-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.6		2.6	0.22	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-12-0.5 — Lab Sample ID: 720-90277-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		3.5	0.30	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-12-2.5 — Lab Sample ID: 720-90277-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.9		3.4	0.29	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-13-0.5 — Lab Sample ID: 720-90277-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	17		2.0	0.59	ug/Kg	1		8081A	Total/NA
4,4'-DDT	3.3		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	11		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	6.8		3.0	0.26	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-13-2.5 — Lab Sample ID: 720-90277-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	5.9		2.0	0.59	ug/Kg	1		8081A	Total/NA
4,4'-DDE	2.8	p	2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	11		3.6	0.31	mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-14-0.5 — Lab Sample ID: 720-90277-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	11		2.0	0.59	ug/Kg	1		8081A	Total/NA
4,4'-DDT	5.0		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	14		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	8.5		3.2	0.27	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-14-2.5 — Lab Sample ID: 720-90277-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	3.7		2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDE	4.9		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	8.4		2.7	0.23	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-15-0.5 — Lab Sample ID: 720-90277-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	7.6		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	38		2.0	0.42	ug/Kg	1		8081A	Total/NA
cis-Chlordane	2.3	p	2.0	0.40	ug/Kg	1		8081A	Total/NA
trans-Chlordane	2.9		2.0	0.46	ug/Kg	1		8081A	Total/NA
Arsenic	7.3		2.9	0.25	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-15-1.5 — Lab Sample ID: 720-90277-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	5.5		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	35		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	6.8		3.5	0.30	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-16-0.5 — Lab Sample ID: 720-90277-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	2.5		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	7.1		2.4	0.20	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-16-2.5 — Lab Sample ID: 720-90277-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.7		2.0	0.42	ug/Kg	1		8081A	Total/NA
Arsenic	8.3		3.2	0.27	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-01-0.5 — Lab Sample ID: 720-90277-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	32		1.4	0.30	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-01-2.5 — Lab Sample ID: 720-90277-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.7		1.1	0.24	mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-02-0.5 — Lab Sample ID: 720-90277-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	27		1.1	0.24	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-02-2.5 — Lab Sample ID: 720-90277-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.1		1.6	0.33	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-03-0.5 — Lab Sample ID: 720-90277-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	12		1.5	0.31	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-03-2.5 — Lab Sample ID: 720-90277-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.6		1.6	0.33	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-04-0.5 — Lab Sample ID: 720-90277-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	11		1.3	0.26	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-04-2.5 — Lab Sample ID: 720-90277-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.1		1.6	0.33	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-05-0.5 — Lab Sample ID: 720-90277-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	11		1.9	0.40	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-05-2.5 — Lab Sample ID: 720-90277-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.2		2.0	0.41	mg/Kg	4		6010B	Total/NA

Client Sample ID: HA-ST-06-0.5 — Lab Sample ID: 720-90277-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	41		1.7	0.36	mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-01-0.5

Date Collected: 12/12/18 07:48
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Endrin aldehyde	ND	F1 *	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Endrin ketone	ND	F1	2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
4,4'-DDE	**3.0**	**F1**	2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
4,4'-DDD	ND	F1	2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
beta-BHC	ND	F1	2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Endosulfan sulfate	ND	F1	2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Methoxychlor	ND	F1	2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 18:26	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*21 - 145*	*12/13/18 13:35*	*12/15/18 18:26*	*1*
DCB Decachlorobiphenyl	*104*		*21 - 136*	*12/13/18 13:35*	*12/15/18 18:26*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.5**		3.3	0.28	mg/Kg		12/14/18 08:44	12/14/18 15:45	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-01-2.25

Date Collected: 12/12/18 08:01
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-2

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
4,4'-DDE	**2.6**		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Methoxychlor	ND	*	2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 20:40	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*21 - 145*	*12/13/18 13:35*	*12/15/18 20:40*	*1*
DCB Decachlorobiphenyl	*114*		*21 - 136*	*12/13/18 13:35*	*12/15/18 20:40*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.4**		3.5	0.30	mg/Kg		12/14/18 08:44	12/14/18 15:50	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-02-0.5

Date Collected: 12/12/18 08:08
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
4,4'-DDT	**2.2**		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
4,4'-DDE	**11**		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Methoxychlor	ND	*	2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 20:57	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*12/13/18 13:35*	*12/15/18 20:57*	*1*
DCB Decachlorobiphenyl	*115*		*21 - 136*	*12/13/18 13:35*	*12/15/18 20:57*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.2**		3.4	0.29	mg/Kg		12/14/18 08:44	12/14/18 15:55	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-02-2.5

Date Collected: 12/12/18 08:12
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-4

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:13	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*21 - 145*	*12/13/18 13:35*	*12/15/18 21:13*	*1*
DCB Decachlorobiphenyl	*112*		*21 - 136*	*12/13/18 13:35*	*12/15/18 21:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.1**		3.3	0.28	mg/Kg		12/14/18 08:44	12/14/18 15:59	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-03-0.5

Date Collected: 12/12/18 08:20
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-5

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
4,4'-DDE	**6.1**		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:30	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*12/13/18 13:35*	*12/15/18 21:30*	*1*
DCB Decachlorobiphenyl	*119*		*21 - 136*	*12/13/18 13:35*	*12/15/18 21:30*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.6**		3.4	0.29	mg/Kg		12/14/18 08:44	12/14/18 16:13	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-03-2.5

Date Collected: 12/12/18 08:24
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-6

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 21:47	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*21 - 145*	*12/13/18 13:35*	*12/15/18 21:47*	*1*
DCB Decachlorobiphenyl	*115*		*21 - 136*	*12/13/18 13:35*	*12/15/18 21:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.3**		2.5	0.21	mg/Kg		12/14/18 08:44	12/14/18 16:18	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-04-0.5

Date Collected: 12/12/18 08:35
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-7

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
4,4'-DDE	**4.3**		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 22:04	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*21 - 145*	*12/13/18 13:35*	*12/15/18 22:04*	*1*
DCB Decachlorobiphenyl	*109*		*21 - 136*	*12/13/18 13:35*	*12/15/18 22:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.0**		3.0	0.25	mg/Kg		12/14/18 08:44	12/14/18 16:23	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-04-2.5

Date Collected: 12/12/18 08:41
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-8

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:17	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*12/13/18 13:35*	*12/17/18 16:17*	*1*
DCB Decachlorobiphenyl	*110*		*21 - 136*	*12/13/18 13:35*	*12/17/18 16:17*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		3.1	0.26	mg/Kg		12/14/18 08:44	12/14/18 16:27	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-05-0.5

Date Collected: 12/12/18 08:54
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-9

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:34	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*12/13/18 13:35*	*12/17/18 16:34*	*1*
DCB Decachlorobiphenyl	*106*		*21 - 136*	*12/13/18 13:35*	*12/17/18 16:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.9**		3.3	0.28	mg/Kg		12/14/18 08:44	12/14/18 16:32	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-05-2.5

Date Collected: 12/12/18 09:16
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-10

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 16:52	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*12/13/18 13:35*	*12/17/18 16:52*	*1*
DCB Decachlorobiphenyl	*103*		*21 - 136*	*12/13/18 13:35*	*12/17/18 16:52*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.4**		3.1	0.26	mg/Kg		12/14/18 08:44	12/14/18 16:37	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-06-0.5

Date Collected: 12/12/18 09:31
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-11

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:09	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*12/13/18 13:35*	*12/17/18 17:09*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*12/13/18 13:35*	*12/17/18 17:09*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.8**		0.73	0.062	mg/Kg		12/14/18 08:44	12/19/18 12:30	1

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-06-2.5

Date Collected: 12/12/18 09:40
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-12

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:27	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*21 - 145*	*12/13/18 13:35*	*12/17/18 17:27*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*12/13/18 13:35*	*12/17/18 17:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		2.5	0.21	mg/Kg		12/14/18 08:44	12/14/18 16:46	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-07-0.5

Date Collected: 12/12/18 09:50
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-13

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
4,4'-DDT	**2.8**		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
4,4'-DDE	**4.8**		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Methoxychlor	ND		2.0	0.67	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 17:45	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*12/13/18 13:35*	*12/17/18 17:45*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*12/13/18 13:35*	*12/17/18 17:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		2.6	0.22	mg/Kg		12/14/18 08:44	12/14/18 16:51	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-07-2.5

Date Collected: 12/12/18 10:07
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-14

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 18:03	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*21 - 145*	*12/13/18 13:35*	*12/17/18 18:03*	*1*
DCB Decachlorobiphenyl	*96*		*21 - 136*	*12/13/18 13:35*	*12/17/18 18:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		3.1	0.27	mg/Kg		12/14/18 08:44	12/14/18 16:55	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-08-0.5

Date Collected: 12/12/18 10:21
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-15

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
4,4'-DDE	**3.7**		2.0	0.42	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Methoxychlor	ND		2.0	0.67	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/17/18 18:20	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/17/18 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*12/13/18 13:35*	*12/17/18 18:20*	*1*
DCB Decachlorobiphenyl	*92*		*21 - 136*	*12/13/18 13:35*	*12/17/18 18:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.3**		3.1	0.27	mg/Kg		12/14/18 08:44	12/14/18 17:09	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-08-2.0

Date Collected: 12/12/18 10:53
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-16

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
4,4'-DDE	**5.4**		2.0	0.42	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:12	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/18/18 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*21 - 145*	*12/13/18 13:35*	*12/18/18 11:12*	*1*
DCB Decachlorobiphenyl	*88*		*21 - 136*	*12/13/18 13:35*	*12/18/18 11:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.7**		2.5	0.21	mg/Kg		12/14/18 08:44	12/14/18 17:14	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-09-0.5

Date Collected: 12/12/18 14:59
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-17

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:28	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/18/18 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*21 - 145*	*12/13/18 13:35*	*12/18/18 11:28*	*1*
DCB Decachlorobiphenyl	*86*		*21 - 136*	*12/13/18 13:35*	*12/18/18 11:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		2.5	0.22	mg/Kg		12/14/18 08:44	12/14/18 17:19	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-09-2.5

Date Collected: 12/12/18 15:11
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-18

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Methoxychlor	ND		2.0	0.67	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 11:45	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/18/18 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*21 - 145*	*12/13/18 13:35*	*12/18/18 11:45*	*1*
DCB Decachlorobiphenyl	*90*		*21 - 136*	*12/13/18 13:35*	*12/18/18 11:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		3.2	0.27	mg/Kg		12/14/18 08:44	12/14/18 17:23	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-10-0.5

Date Collected: 12/12/18 11:01
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-19

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Dieldrin	**3.3**		2.0	0.59	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
4,4'-DDT	**21**		2.0	0.41	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
4,4'-DDE	**100**		2.0	0.42	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
4,4'-DDD	**12**		2.0	0.61	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Chlordane (technical)	**65**		40	3.2	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
cis-Chlordane	**15**	**p**	2.0	0.40	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
trans-Chlordane	**6.2**	**p**	2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 12:02	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/18/18 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*21 - 145*	*12/13/18 13:35*	*12/18/18 12:02*	*1*
DCB Decachlorobiphenyl	*84*		*21 - 136*	*12/13/18 13:35*	*12/18/18 12:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.8**		2.6	0.22	mg/Kg		12/14/18 08:44	12/14/18 17:28	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-10-2.5

Date Collected: 12/12/18 11:13
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-20

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Endrin aldehyde	ND	*	2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
4,4'-DDE	**14**	**p**	2.0	0.42	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/18/18 12:18	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/18/18 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*21 - 145*	*12/13/18 13:35*	*12/18/18 12:18*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*12/13/18 13:35*	*12/18/18 12:18*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.4**		2.9	0.25	mg/Kg		12/14/18 08:44	12/14/18 17:33	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-11-0.5

Date Collected: 12/12/18 11:29
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-21

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Endrin aldehyde	ND	F1	2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
4,4'-DDT	**3.5**		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
4,4'-DDE	**3.5**		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
4,4'-DDD	ND	F1	2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
beta-BHC	ND	F1	2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Methoxychlor	ND	F1	2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 15:54	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*21 - 145*	*12/13/18 15:21*	*12/14/18 15:54*	*1*
DCB Decachlorobiphenyl	*112*		*21 - 136*	*12/13/18 15:21*	*12/14/18 15:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.4**		3.5	0.30	mg/Kg		12/14/18 08:52	12/14/18 14:43	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-11-2.5

Date Collected: 12/12/18 11:40
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-22

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 17:58	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*12/13/18 15:21*	*12/14/18 17:58*	*1*
DCB Decachlorobiphenyl	*89*		*21 - 136*	*12/13/18 15:21*	*12/14/18 17:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		2.6	0.22	mg/Kg		12/14/18 08:52	12/14/18 14:48	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-12-0.5

Date Collected: 12/12/18 11:50
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-23

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:17	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*21 - 145*	*12/13/18 15:21*	*12/14/18 18:17*	*1*
DCB Decachlorobiphenyl	*89*		*21 - 136*	*12/13/18 15:21*	*12/14/18 18:17*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		3.5	0.30	mg/Kg		12/14/18 08:52	12/14/18 14:53	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-12-2.5

Date Collected: 12/12/18 12:08
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-24

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:34	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*57*		*21 - 145*	*12/13/18 15:21*	*12/14/18 18:34*	*1*
DCB Decachlorobiphenyl	*102*		*21 - 136*	*12/13/18 15:21*	*12/14/18 18:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		3.4	0.29	mg/Kg		12/14/18 08:52	12/14/18 14:58	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-13-0.5

Date Collected: 12/12/18 13:09
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-25

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Dieldrin	**17**		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
4,4'-DDT	**3.3**		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
4,4'-DDE	**11**		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 18:52	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*21 - 145*	*12/13/18 15:21*	*12/14/18 18:52*	*1*
DCB Decachlorobiphenyl	*95*		*21 - 136*	*12/13/18 15:21*	*12/14/18 18:52*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		3.0	0.26	mg/Kg		12/14/18 08:52	12/14/18 15:12	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-13-2.5

Date Collected: 12/12/18 13:34
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-26

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Dieldrin	**5.9**		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
4,4'-DDE	**2.8**	**p**	2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:10	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*21 - 145*	*12/13/18 15:21*	*12/14/18 19:10*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*12/13/18 15:21*	*12/14/18 19:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		3.6	0.31	mg/Kg		12/14/18 08:52	12/14/18 15:17	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-14-0.5

Date Collected: 12/12/18 13:43
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-27

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Dieldrin	**11**		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
4,4'-DDT	**5.0**		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
4,4'-DDE	**14**		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:27	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*21 - 145*	*12/13/18 15:21*	*12/14/18 19:27*	*1*
DCB Decachlorobiphenyl	*84*		*21 - 136*	*12/13/18 15:21*	*12/14/18 19:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.5**		3.2	0.27	mg/Kg		12/14/18 08:52	12/14/18 15:22	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-14-2.5

Date Collected: 12/12/18 14:10
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-28

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Dieldrin	**3.7**		2.0	0.58	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
4,4'-DDE	**4.9**		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Methoxychlor	ND		2.0	0.67	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 19:45	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*21 - 145*	*12/13/18 15:21*	*12/14/18 19:45*	*1*
DCB Decachlorobiphenyl	*85*		*21 - 136*	*12/13/18 15:21*	*12/14/18 19:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.4**		2.7	0.23	mg/Kg		12/14/18 08:52	12/14/18 15:27	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-15-0.5

Date Collected: 12/12/18 14:18
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-29

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
4,4'-DDT	**7.6**		2.0	0.41	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
4,4'-DDE	**38**		2.0	0.42	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
cis-Chlordane	**2.3**	**p**	2.0	0.40	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
trans-Chlordane	**2.9**		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 19:33	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/15/18 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*21 - 145*	*12/13/18 15:21*	*12/15/18 19:33*	*1*
DCB Decachlorobiphenyl	*100*		*21 - 136*	*12/13/18 15:21*	*12/15/18 19:33*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.3**		2.9	0.25	mg/Kg		12/14/18 08:52	12/14/18 15:32	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-15-1.5

Date Collected: 12/12/18 14:45
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-30

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
4,4'-DDT	**5.5**		2.0	0.41	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
4,4'-DDE	**35**		2.0	0.42	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 19:50	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/15/18 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*21 - 145*	*12/13/18 15:21*	*12/15/18 19:50*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*12/13/18 15:21*	*12/15/18 19:50*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		3.5	0.30	mg/Kg		12/14/18 08:52	12/14/18 15:37	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-16-0.5

Date Collected: 12/12/18 12:20
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-31

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
4,4'-DDE	**2.5**		2.0	0.42	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/15/18 20:06	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/15/18 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*21 - 145*	*12/13/18 15:21*	*12/15/18 20:06*	*1*
DCB Decachlorobiphenyl	*78*		*21 - 136*	*12/13/18 15:21*	*12/15/18 20:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.1**		2.4	0.20	mg/Kg		12/14/18 08:52	12/14/18 15:42	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-16-2.5

Date Collected: 12/12/18 12:42
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-32

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Endrin	ND		2.0	0.46	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
4,4'-DDE	**3.7**		2.0	0.42	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Toxaphene	ND		40	6.8	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/17/18 15:28	12/18/18 19:41	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/17/18 15:28	12/18/18 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*21 - 145*	*12/17/18 15:28*	*12/18/18 19:41*	*1*
DCB Decachlorobiphenyl	*100*		*21 - 136*	*12/17/18 15:28*	*12/18/18 19:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.3**		3.2	0.27	mg/Kg		12/14/18 08:52	12/14/18 15:46	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-01-0.5

Lab Sample ID: 720-90277-33

Date Collected: 12/12/18 15:22
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		1.4	0.30	mg/Kg		12/14/18 08:52	12/14/18 16:01	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-01-2.5

Lab Sample ID: 720-90277-34

Date Collected: 12/12/18 15:26
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.7		1.1	0.24	mg/Kg		12/14/18 08:52	12/14/18 16:06	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-02-0.5

Lab Sample ID: 720-90277-35

Date Collected: 12/12/18 15:40
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		1.1	0.24	mg/Kg		12/14/18 08:52	12/14/18 16:20	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-02-2.5

Date Collected: 12/12/18 15:47
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-36

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		1.6	0.33	mg/Kg		12/14/18 08:52	12/14/18 16:25	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-03-0.5

Lab Sample ID: 720-90277-37

Date Collected: 12/12/18 16:12
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.5	0.31	mg/Kg		12/14/18 08:52	12/14/18 16:30	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-03-2.5

Lab Sample ID: 720-90277-38

Date Collected: 12/12/18 16:18
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.6		1.6	0.33	mg/Kg		12/14/18 08:52	12/14/18 16:35	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-04-0.5

Lab Sample ID: 720-90277-39

Date Collected: 12/12/18 15:53
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.3	0.26	mg/Kg		12/14/18 08:52	12/14/18 16:40	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-04-2.5

Date Collected: 12/12/18 15:56
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-40

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		1.6	0.33	mg/Kg		12/14/18 08:52	12/14/18 16:44	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-05-0.5

Lab Sample ID: 720-90277-41

Date Collected: 12/12/18 16:00
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.9	0.40	mg/Kg		12/14/18 08:44	12/14/18 17:32	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-05-2.5

Lab Sample ID: 720-90277-42

Date Collected: 12/12/18 16:08
Matrix: Solid
Date Received: 12/13/18 08:33

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.2		2.0	0.41	mg/Kg		12/14/18 08:44	12/14/18 17:37	4

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-ST-06-0.5

Date Collected: 12/12/18 16:41
Date Received: 12/13/18 08:33

Lab Sample ID: 720-90277-43

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	41		1.7	0.36	mg/Kg		12/14/18 08:44	12/14/18 17:42	4

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (21-145)	DCBP2 (21-136)
720-90277-1	HA-01-0.5	88	104
720-90277-1 MS	HA-01-0.5	98	126
720-90277-1 MSD	HA-01-0.5	93	118
720-90277-2	HA-01-2.25	104	114
720-90277-3	HA-02-0.5	93	115
720-90277-4	HA-02-2.5	95	112
720-90277-5	HA-03-0.5	92	119
720-90277-6	HA-03-2.5	85	115
720-90277-7	HA-04-0.5	83	109
720-90277-21 MS	HA-11-0.5	99	122
720-90277-21 MSD	HA-11-0.5	104	117
720-90277-24 MS	HA-12-2.5	85	110
720-90277-24 MSD	HA-12-2.5	87	108
720-90277-29	HA-15-0.5	71	100
720-90277-30	HA-15-1.5	75	93
720-90277-31	HA-16-0.5	66	78
LCS 720-256922/2-A	Lab Control Sample	94	127
LCS 720-256934/2-A	Lab Control Sample	100	128
LCS 720-256939/2-A	Lab Control Sample	99	124
MB 720-256922/1-A	Method Blank	99	120
MB 720-256934/1-A	Method Blank	93	115

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (21-145)	DCBP2 (21-136)
720-90277-10	HA-05-2.5	92	103
720-90277-11	HA-06-0.5	93	98
720-90277-12	HA-06-2.5	90	93
720-90277-13	HA-07-0.5	93	98
720-90277-14	HA-07-2.5	89	96
720-90277-15	HA-08-0.5	87	92
720-90277-16	HA-08-2.0	84	88
720-90277-17	HA-09-0.5	82	86
720-90277-18	HA-09-2.5	79	90
720-90277-21	HA-11-0.5	96	112
720-90277-22	HA-11-2.5	87	89
720-90277-23	HA-12-0.5	74	89
720-90277-24	HA-12-2.5	57	102
720-90277-25	HA-13-0.5	76	95
720-90277-26	HA-13-2.5	83	93
720-90277-27	HA-14-0.5	85	84
720-90277-28	HA-14-2.5	65	85

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCX1 (21-145)	DCBP1 (21-136)						
720-90277-8	HA-04-2.5	92	110						
720-90277-9	HA-05-0.5	87	106						
720-90277-19	HA-10-0.5	82	84						
720-90277-20	HA-10-2.5	89	93						
MB 720-256939/1-A	Method Blank	92	112						

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCX2 (21-145)	DCBP1 (21-136)						
720-90277-32	HA-16-2.5	89	100						
720-90277-32 MS	HA-16-2.5	86	119						
720-90277-32 MSD	HA-16-2.5	87	104						
LCS 720-257104/2-A	Lab Control Sample	90	105						
MB 720-257104/1-A	Method Blank	90	109						

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-256922/1-A
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 13:35	12/15/18 16:45	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 13:35	12/15/18 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*21 - 145*	*12/13/18 13:35*	*12/15/18 16:45*	*1*
DCB Decachlorobiphenyl	*120*		*21 - 136*	*12/13/18 13:35*	*12/15/18 16:45*	*1*

Lab Sample ID: LCS 720-256922/2-A
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	15.0		ug/Kg		90	65 - 120
Dieldrin	16.7	18.3		ug/Kg		110	72 - 120
Endrin aldehyde	16.7	20.2	*	ug/Kg		121	68 - 120
Endrin	16.7	18.7		ug/Kg		112	68 - 120
Endrin ketone	16.7	20.3		ug/Kg		122	75 - 136
Heptachlor	16.7	16.4		ug/Kg		99	69 - 120
Heptachlor epoxide	16.7	17.4		ug/Kg		104	68 - 120
4,4'-DDT	16.7	19.3		ug/Kg		116	63 - 127
4,4'-DDE	16.7	18.3		ug/Kg		110	76 - 126
4,4'-DDD	16.7	19.7		ug/Kg		118	75 - 128
Endosulfan I	16.7	18.3		ug/Kg		110	62 - 120
Endosulfan II	16.7	19.5		ug/Kg		117	65 - 120
alpha-BHC	16.7	13.0		ug/Kg		78	46 - 122
beta-BHC	16.7	17.8		ug/Kg		107	78 - 136
gamma-BHC (Lindane)	16.7	15.6		ug/Kg		94	72 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-256922/2-A
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	16.7	13.3		ug/Kg		80	43 - 125
Endosulfan sulfate	16.7	19.0		ug/Kg		114	72 - 121
Methoxychlor	16.7	21.2		ug/Kg		127	71 - 132
cis-Chlordane	16.7	17.9		ug/Kg		108	70 - 120
trans-Chlordane	16.7	17.6		ug/Kg		105	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*94*		*21 - 145*
DCB Decachlorobiphenyl	*127*		*21 - 136*

Lab Sample ID: 720-90277-1 MS
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: HA-01-0.5
Prep Type: Total/NA
Prep Batch: 256922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.6	16.8		ug/Kg		101	53 - 120
Dieldrin	ND		16.6	19.6		ug/Kg		118	46 - 130
Endrin aldehyde	ND	F1 *	16.6	20.5	F1	ug/Kg		123	40 - 120
Endrin	ND		16.6	20.4		ug/Kg		123	32 - 143
Endrin ketone	ND	F1	16.6	21.4	F1	ug/Kg		129	40 - 120
Heptachlor	ND		16.6	18.0		ug/Kg		108	52 - 120
Heptachlor epoxide	ND		16.6	19.2		ug/Kg		116	40 - 120
4,4'-DDT	ND		16.6	21.6		ug/Kg		123	17 - 144
4,4'-DDE	3.0	F1	16.6	23.3	F1	ug/Kg		122	40 - 120
4,4'-DDD	ND	F1	16.6	21.9	F1	ug/Kg		132	40 - 120
Endosulfan I	ND		16.6	19.5		ug/Kg		118	40 - 120
Endosulfan II	ND		16.6	19.6		ug/Kg		118	40 - 120
alpha-BHC	ND		16.6	14.2		ug/Kg		86	40 - 120
beta-BHC	ND	F1	16.6	20.5	F1	ug/Kg		123	40 - 120
gamma-BHC (Lindane)	ND		16.6	17.0		ug/Kg		102	58 - 120
delta-BHC	ND		16.6	15.6		ug/Kg		94	40 - 120
Endosulfan sulfate	ND	F1	16.6	20.7	F1	ug/Kg		125	40 - 120
Methoxychlor	ND	F1 *	16.6	21.4	F1	ug/Kg		129	40 - 120
cis-Chlordane	ND		16.6	19.5		ug/Kg		117	40 - 120
trans-Chlordane	ND		16.6	19.2		ug/Kg		115	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*98*		*21 - 145*
DCB Decachlorobiphenyl	*126*		*21 - 136*

Lab Sample ID: 720-90277-1 MSD
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: HA-01-0.5
Prep Type: Total/NA
Prep Batch: 256922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.6	15.7		ug/Kg		95	53 - 120	6	20
Dieldrin	ND		16.6	19.2		ug/Kg		116	46 - 130	2	20
Endrin aldehyde	ND	F1 *	16.6	19.5		ug/Kg		118	40 - 120	5	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-90277-1 MSD
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: HA-01-0.5
Prep Type: Total/NA
Prep Batch: 256922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	ND		16.6	19.5		ug/Kg		118	32 - 143	4	20
Endrin ketone	ND	F1	16.6	20.7	F1	ug/Kg		125	40 - 120	3	20
Heptachlor	ND		16.6	17.1		ug/Kg		103	52 - 120	5	20
Heptachlor epoxide	ND		16.6	18.4		ug/Kg		111	40 - 120	4	20
4,4'-DDT	ND		16.6	20.3		ug/Kg		115	17 - 144	6	20
4,4'-DDE	3.0	F1	16.6	23.2	F1	ug/Kg		122	40 - 120	0	20
4,4'-DDD	ND	F1	16.6	21.7	F1	ug/Kg		131	40 - 120	1	20
Endosulfan I	ND		16.6	18.7		ug/Kg		113	40 - 120	4	20
Endosulfan II	ND		16.6	19.3		ug/Kg		116	40 - 120	2	30
alpha-BHC	ND		16.6	13.7		ug/Kg		83	40 - 120	4	20
beta-BHC	ND	F1	16.6	20.0		ug/Kg		120	40 - 120	2	20
gamma-BHC (Lindane)	ND		16.6	16.3		ug/Kg		98	58 - 120	4	20
delta-BHC	ND		16.6	15.3		ug/Kg		92	40 - 120	2	20
Endosulfan sulfate	ND	F1	16.6	19.5		ug/Kg		117	40 - 120	6	20
Methoxychlor	ND	F1 *	16.6	19.1		ug/Kg		115	40 - 120	11	20
cis-Chlordane	ND		16.6	18.7		ug/Kg		112	40 - 120	4	20
trans-Chlordane	ND		16.6	18.8		ug/Kg		113	40 - 120	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*21 - 145*
DCB Decachlorobiphenyl	*118*		*21 - 136*

Lab Sample ID: MB 720-256934/1-A
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 14:54	12/15/18 17:19	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-256934/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257049 — **Prep Batch: 256934**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 14:54	12/15/18 17:19	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 14:54	12/15/18 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*12/13/18 14:54*	*12/15/18 17:19*	*1*
DCB Decachlorobiphenyl	*115*		*21 - 136*	*12/13/18 14:54*	*12/15/18 17:19*	*1*

Lab Sample ID: LCS 720-256934/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257049 — **Prep Batch: 256934**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	16.3		ug/Kg		98	65 - 120
Dieldrin	16.7	19.1		ug/Kg		115	72 - 120
Endrin aldehyde	16.7	19.4		ug/Kg		116	68 - 120
Endrin	16.7	18.9		ug/Kg		113	68 - 120
Endrin ketone	16.7	20.4		ug/Kg		122	75 - 136
Heptachlor	16.7	17.3		ug/Kg		104	69 - 120
Heptachlor epoxide	16.7	18.1		ug/Kg		109	68 - 120
4,4'-DDT	16.7	19.7		ug/Kg		118	63 - 127
4,4'-DDE	16.7	18.9		ug/Kg		114	76 - 126
4,4'-DDD	16.7	19.8		ug/Kg		119	75 - 128
Endosulfan I	16.7	19.0		ug/Kg		114	62 - 120
Endosulfan II	16.7	19.7		ug/Kg		118	65 - 120
alpha-BHC	16.7	13.8		ug/Kg		83	46 - 122
beta-BHC	16.7	18.5		ug/Kg		111	78 - 136
gamma-BHC (Lindane)	16.7	16.5		ug/Kg		99	72 - 120
delta-BHC	16.7	13.7		ug/Kg		82	43 - 125
Endosulfan sulfate	16.7	19.2		ug/Kg		115	72 - 121
Methoxychlor	16.7	21.0		ug/Kg		126	71 - 132
cis-Chlordane	16.7	18.6		ug/Kg		112	70 - 120
trans-Chlordane	16.7	18.3		ug/Kg		110	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*21 - 145*
DCB Decachlorobiphenyl	*128*		*21 - 136*

Lab Sample ID: 720-90277-24 MS — **Client Sample ID: HA-12-2.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257049 — **Prep Batch: 256934**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.6	14.7		ug/Kg		89	53 - 120
Dieldrin	ND		16.6	18.0		ug/Kg		108	46 - 130
Endrin aldehyde	ND	F1	16.6	20.3	F1	ug/Kg		122	40 - 120
Endrin	ND		16.6	18.4		ug/Kg		111	32 - 143
Endrin ketone	ND		16.6	17.8		ug/Kg		107	40 - 120
Heptachlor	ND		16.6	15.5		ug/Kg		93	52 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-90277-24 MS
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: HA-12-2.5
Prep Type: Total/NA
Prep Batch: 256934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	ND		16.6	17.1		ug/Kg		103	40 - 120
4,4'-DDT	ND		16.6	15.2		ug/Kg		91	17 - 144
4,4'-DDE	ND		16.6	19.2		ug/Kg		112	40 - 120
4,4'-DDD	ND	F1	16.6	22.4	F1	ug/Kg		134	40 - 120
Endosulfan I	ND		16.6	18.0		ug/Kg		108	40 - 120
Endosulfan II	ND		16.6	18.8		ug/Kg		113	40 - 120
alpha-BHC	ND		16.6	12.8		ug/Kg		77	40 - 120
beta-BHC	ND		16.6	19.8		ug/Kg		119	40 - 120
gamma-BHC (Lindane)	ND		16.6	15.5		ug/Kg		93	58 - 120
delta-BHC	ND		16.6	14.9		ug/Kg		90	40 - 120
Endosulfan sulfate	ND		16.6	18.4		ug/Kg		111	40 - 120
Methoxychlor	ND		16.6	16.2		ug/Kg		98	40 - 120
cis-Chlordane	ND		16.6	17.8		ug/Kg		107	40 - 120
trans-Chlordane	ND		16.6	17.7		ug/Kg		106	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*21 - 145*
DCB Decachlorobiphenyl	*110*		*21 - 136*

Lab Sample ID: 720-90277-24 MSD
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: HA-12-2.5
Prep Type: Total/NA
Prep Batch: 256934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.6	15.0		ug/Kg		90	53 - 120	1	20
Dieldrin	ND		16.6	16.9		ug/Kg		102	46 - 130	6	20
Endrin aldehyde	ND	F1	16.6	19.3		ug/Kg		116	40 - 120	5	20
Endrin	ND		16.6	16.9		ug/Kg		102	32 - 143	9	20
Endrin ketone	ND		16.6	16.3		ug/Kg		98	40 - 120	9	20
Heptachlor	ND		16.6	15.0		ug/Kg		90	52 - 120	3	20
Heptachlor epoxide	ND		16.6	17.0		ug/Kg		102	40 - 120	1	20
4,4'-DDT	ND		16.6	15.0		ug/Kg		90	17 - 144	2	20
4,4'-DDE	ND		16.6	18.2		ug/Kg		106	40 - 120	5	20
4,4'-DDD	ND	F1	16.6	20.3	F1	ug/Kg		122	40 - 120	10	20
Endosulfan I	ND		16.6	17.1		ug/Kg		103	40 - 120	5	20
Endosulfan II	ND		16.6	16.9		ug/Kg		102	40 - 120	11	30
alpha-BHC	ND		16.6	12.7		ug/Kg		77	40 - 120	1	20
beta-BHC	ND		16.6	18.3		ug/Kg		110	40 - 120	8	20
gamma-BHC (Lindane)	ND		16.6	15.1		ug/Kg		91	58 - 120	2	20
delta-BHC	ND		16.6	14.9		ug/Kg		90	40 - 120	0	20
Endosulfan sulfate	ND		16.6	17.6		ug/Kg		106	40 - 120	4	20
Methoxychlor	ND		16.6	15.3		ug/Kg		92	40 - 120	6	20
cis-Chlordane	ND		16.6	17.0		ug/Kg		102	40 - 120	5	20
trans-Chlordane	ND		16.6	17.0		ug/Kg		102	40 - 120	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*21 - 145*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-90277-24 MSD
Matrix: Solid
Analysis Batch: 257049

Client Sample ID: HA-12-2.5
Prep Type: Total/NA
Prep Batch: 256934

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*21 - 136*

Lab Sample ID: MB 720-256939/1-A
Matrix: Solid
Analysis Batch: 256957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Endrin	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Toxaphene	ND		40	6.8	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/13/18 15:21	12/14/18 14:43	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/13/18 15:21	12/14/18 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*12/13/18 15:21*	*12/14/18 14:43*	*1*
DCB Decachlorobiphenyl	*112*		*21 - 136*	*12/13/18 15:21*	*12/14/18 14:43*	*1*

Lab Sample ID: LCS 720-256939/2-A
Matrix: Solid
Analysis Batch: 256957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	16.8		ug/Kg		101	65 - 120
Dieldrin	16.7	18.1		ug/Kg		109	72 - 120
Endrin aldehyde	16.7	19.9		ug/Kg		119	68 - 120
Endrin	16.7	19.1		ug/Kg		114	68 - 120
Endrin ketone	16.7	19.7		ug/Kg		118	75 - 136
Heptachlor	16.7	17.2		ug/Kg		103	69 - 120
Heptachlor epoxide	16.7	18.1		ug/Kg		108	68 - 120
4,4'-DDT	16.7	18.1		ug/Kg		109	63 - 127

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-256939/2-A
Matrix: Solid
Analysis Batch: 256957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	16.7	19.0		ug/Kg		114	76 - 126
4,4'-DDD	16.7	19.5		ug/Kg		117	75 - 128
Endosulfan I	16.7	18.4		ug/Kg		111	62 - 120
Endosulfan II	16.7	19.3		ug/Kg		116	65 - 120
alpha-BHC	16.7	13.6		ug/Kg		82	46 - 122
beta-BHC	16.7	19.3		ug/Kg		116	78 - 136
gamma-BHC (Lindane)	16.7	16.8		ug/Kg		101	72 - 120
delta-BHC	16.7	14.7		ug/Kg		88	43 - 125
Endosulfan sulfate	16.7	18.6		ug/Kg		111	72 - 121
Methoxychlor	16.7	20.0		ug/Kg		120	71 - 132
cis-Chlordane	16.7	18.5		ug/Kg		111	70 - 120
trans-Chlordane	16.7	18.2		ug/Kg		109	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*21 - 145*
DCB Decachlorobiphenyl	*124*		*21 - 136*

Lab Sample ID: 720-90277-21 MS
Matrix: Solid
Analysis Batch: 256957

Client Sample ID: HA-11-0.5
Prep Type: Total/NA
Prep Batch: 256939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.7	17.0		ug/Kg		102	53 - 120
Dieldrin	ND		16.7	18.1		ug/Kg		109	46 - 130
Endrin aldehyde	ND	F1 *	16.7	20.3	F1	ug/Kg		122	40 - 120
Endrin	ND		16.7	19.4		ug/Kg		117	32 - 143
Endrin ketone	ND		16.7	18.1		ug/Kg		109	40 - 120
Heptachlor	ND		16.7	17.8		ug/Kg		107	52 - 120
Heptachlor epoxide	ND		16.7	18.2		ug/Kg		109	40 - 120
4,4'-DDT	3.5		16.7	20.7		ug/Kg		103	17 - 144
4,4'-DDE	3.5		16.7	22.9		ug/Kg		117	40 - 120
4,4'-DDD	ND	F1	16.7	19.5		ug/Kg		117	40 - 120
Endosulfan I	ND		16.7	18.5		ug/Kg		111	40 - 120
Endosulfan II	ND		16.7	18.2		ug/Kg		109	40 - 120
alpha-BHC	ND		16.7	14.2		ug/Kg		85	40 - 120
beta-BHC	ND	F1	16.7	20.1	F1	ug/Kg		121	40 - 120
gamma-BHC (Lindane)	ND		16.7	17.6		ug/Kg		106	58 - 120
delta-BHC	ND		16.7	15.5		ug/Kg		93	40 - 120
Endosulfan sulfate	ND		16.7	17.5		ug/Kg		105	40 - 120
Methoxychlor	ND	F1	16.7	19.3		ug/Kg		116	40 - 120
cis-Chlordane	ND		16.7	18.8		ug/Kg		113	40 - 120
trans-Chlordane	ND		16.7	18.4		ug/Kg		111	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*21 - 145*
DCB Decachlorobiphenyl	*122*		*21 - 136*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-90277-21 MSD
Matrix: Solid
Analysis Batch: 256957

Client Sample ID: HA-11-0.5
Prep Type: Total/NA
Prep Batch: 256939

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.6	16.5		ug/Kg		99	53 - 120	3	20
Dieldrin	ND		16.6	18.2		ug/Kg		109	46 - 130	1	20
Endrin aldehyde	ND	F1 *	16.6	19.2		ug/Kg		116	40 - 120	6	20
Endrin	ND		16.6	19.2		ug/Kg		116	32 - 143	1	20
Endrin ketone	ND		16.6	19.5		ug/Kg		117	40 - 120	7	20
Heptachlor	ND		16.6	17.2		ug/Kg		103	52 - 120	3	20
Heptachlor epoxide	ND		16.6	18.0		ug/Kg		108	40 - 120	1	20
4,4'-DDT	3.5		16.6	21.3		ug/Kg		107	17 - 144	3	20
4,4'-DDE	3.5		16.6	23.0		ug/Kg		118	40 - 120	0	20
4,4'-DDD	ND	F1	16.6	19.4		ug/Kg		117	40 - 120	0	20
Endosulfan I	ND		16.6	18.1		ug/Kg		109	40 - 120	2	20
Endosulfan II	ND		16.6	18.8		ug/Kg		113	40 - 120	3	30
alpha-BHC	ND		16.6	14.2		ug/Kg		85	40 - 120	0	20
beta-BHC	ND	F1	16.6	19.2		ug/Kg		116	40 - 120	5	20
gamma-BHC (Lindane)	ND		16.6	17.1		ug/Kg		103	58 - 120	3	20
delta-BHC	ND		16.6	14.9		ug/Kg		90	40 - 120	4	20
Endosulfan sulfate	ND		16.6	18.2		ug/Kg		110	40 - 120	4	20
Methoxychlor	ND	F1	16.6	20.4	F1	ug/Kg		122	40 - 120	5	20
cis-Chlordane	ND		16.6	18.4		ug/Kg		111	40 - 120	2	20
trans-Chlordane	ND		16.6	18.5		ug/Kg		111	40 - 120	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*104*		*21 - 145*
DCB Decachlorobiphenyl	*117*		*21 - 136*

Lab Sample ID: MB 720-257104/1-A
Matrix: Solid
Analysis Batch: 257171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Dieldrin	ND		2.0	0.59	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Endrin	ND		2.0	0.46	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Endrin ketone	ND		2.0	0.33	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Heptachlor	ND		2.0	0.46	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Endosulfan I	ND		2.0	0.32	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Endosulfan II	ND		2.0	0.49	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
alpha-BHC	ND		2.0	0.55	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
beta-BHC	ND		2.0	0.36	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
delta-BHC	ND		2.0	0.44	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Methoxychlor	ND		2.0	0.68	ug/Kg		12/17/18 15:28	12/18/18 18:30	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-257104/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257171 — **Prep Batch: 257104**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		40	6.8	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Chlordane (technical)	ND		40	3.2	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		12/17/18 15:28	12/18/18 18:30	1
Hexachlorobenzene	ND		2.0	2.0	ug/Kg		12/17/18 15:28	12/18/18 18:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*21 - 145*	*12/17/18 15:28*	*12/18/18 18:30*	*1*
DCB Decachlorobiphenyl	*109*		*21 - 136*	*12/17/18 15:28*	*12/18/18 18:30*	*1*

Lab Sample ID: LCS 720-257104/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257171 — **Prep Batch: 257104**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	14.8		ug/Kg		89	65 - 120
Dieldrin	16.7	15.7		ug/Kg		94	72 - 120
Endrin aldehyde	16.7	17.3		ug/Kg		104	68 - 120
Endrin	16.7	15.7		ug/Kg		94	68 - 120
Endrin ketone	16.7	16.6		ug/Kg		100	75 - 136
Heptachlor	16.7	14.9		ug/Kg		89	69 - 120
Heptachlor epoxide	16.7	15.6		ug/Kg		93	68 - 120
4,4'-DDT	16.7	15.8		ug/Kg		95	63 - 127
4,4'-DDE	16.7	15.8		ug/Kg		95	76 - 126
4,4'-DDD	16.7	15.9		ug/Kg		95	75 - 128
Endosulfan I	16.7	15.7		ug/Kg		94	62 - 120
Endosulfan II	16.7	16.2		ug/Kg		97	65 - 120
alpha-BHC	16.7	12.1		ug/Kg		72	46 - 122
beta-BHC	16.7	15.8		ug/Kg		95	78 - 136
gamma-BHC (Lindane)	16.7	14.6		ug/Kg		88	72 - 120
delta-BHC	16.7	12.9		ug/Kg		77	43 - 125
Endosulfan sulfate	16.7	15.9		ug/Kg		95	72 - 121
Methoxychlor	16.7	16.8		ug/Kg		101	71 - 132
cis-Chlordane	16.7	15.8		ug/Kg		95	70 - 120
trans-Chlordane	16.7	15.5		ug/Kg		93	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*21 - 145*
DCB Decachlorobiphenyl	*105*		*21 - 136*

Lab Sample ID: 720-90277-32 MS — **Client Sample ID: HA-16-2.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257171 — **Prep Batch: 257104**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.6	13.9		ug/Kg		84	53 - 120
Dieldrin	ND		16.6	15.5		ug/Kg		93	46 - 130
Endrin aldehyde	ND		16.6	16.6		ug/Kg		100	40 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-90277-32 MS
Matrix: Solid
Analysis Batch: 257171

Client Sample ID: HA-16-2.5
Prep Type: Total/NA
Prep Batch: 257104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	ND		16.6	15.6		ug/Kg		94	32 - 143
Endrin ketone	ND		16.6	17.5		ug/Kg		105	40 - 120
Heptachlor	ND		16.6	14.0		ug/Kg		84	52 - 120
Heptachlor epoxide	ND		16.6	14.4		ug/Kg		87	40 - 120
4,4'-DDT	ND		16.6	16.7		ug/Kg		96	17 - 144
4,4'-DDE	3.7		16.6	20.2		ug/Kg		99	40 - 120
4,4'-DDD	ND		16.6	16.1		ug/Kg		97	40 - 120
Endosulfan I	ND		16.6	15.1		ug/Kg		91	40 - 120
Endosulfan II	ND		16.6	16.0		ug/Kg		96	40 - 120
alpha-BHC	ND		16.6	11.7		ug/Kg		70	40 - 120
beta-BHC	ND		16.6	15.9		ug/Kg		96	40 - 120
gamma-BHC (Lindane)	ND		16.6	13.7		ug/Kg		83	58 - 120
delta-BHC	ND		16.6	12.6		ug/Kg		76	40 - 120
Endosulfan sulfate	ND		16.6	16.1		ug/Kg		96	40 - 120
Methoxychlor	ND		16.6	18.4		ug/Kg		111	40 - 120
cis-Chlordane	ND		16.6	15.3		ug/Kg		92	40 - 120
trans-Chlordane	ND		16.6	15.1		ug/Kg		91	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*21 - 145*
DCB Decachlorobiphenyl	*119*		*21 - 136*

Lab Sample ID: 720-90277-32 MSD
Matrix: Solid
Analysis Batch: 257171

Client Sample ID: HA-16-2.5
Prep Type: Total/NA
Prep Batch: 257104

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.7	14.1		ug/Kg		85	53 - 120	1	20
Dieldrin	ND		16.7	15.2		ug/Kg		91	46 - 130	2	20
Endrin aldehyde	ND		16.7	16.0		ug/Kg		96	40 - 120	4	20
Endrin	ND		16.7	15.4		ug/Kg		93	32 - 143	1	20
Endrin ketone	ND		16.7	16.8		ug/Kg		101	40 - 120	4	20
Heptachlor	ND		16.7	14.2		ug/Kg		85	52 - 120	1	20
Heptachlor epoxide	ND		16.7	14.8		ug/Kg		89	40 - 120	2	20
4,4'-DDT	ND		16.7	16.1		ug/Kg		91	17 - 144	4	20
4,4'-DDE	3.7		16.7	20.9		ug/Kg		103	40 - 120	3	20
4,4'-DDD	ND		16.7	15.7		ug/Kg		94	40 - 120	3	20
Endosulfan I	ND		16.7	14.9		ug/Kg		89	40 - 120	1	20
Endosulfan II	ND		16.7	15.5		ug/Kg		93	40 - 120	3	30
alpha-BHC	ND		16.7	11.9		ug/Kg		71	40 - 120	2	20
beta-BHC	ND		16.7	15.8		ug/Kg		95	40 - 120	1	20
gamma-BHC (Lindane)	ND		16.7	14.0		ug/Kg		84	58 - 120	2	20
delta-BHC	ND		16.7	12.5		ug/Kg		75	40 - 120	1	20
Endosulfan sulfate	ND		16.7	15.5		ug/Kg		93	40 - 120	3	20
Methoxychlor	ND		16.7	17.5		ug/Kg		105	40 - 120	5	20
cis-Chlordane	ND		16.7	15.1		ug/Kg		91	40 - 120	1	20
trans-Chlordane	ND		16.7	14.9		ug/Kg		90	40 - 120	1	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-90277-32 MSD — **Client Sample ID: HA-16-2.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257171 — **Prep Batch: 257104**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*21 - 145*
DCB Decachlorobiphenyl	*104*		*21 - 136*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-256916/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257075 — **Prep Batch: 256916**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.085	mg/Kg		12/14/18 08:44	12/14/18 15:18	1

Lab Sample ID: LCS 720-256916/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257075 — **Prep Batch: 256916**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	43.8		mg/Kg		88	80 - 120

Lab Sample ID: 720-90277-1 MS — **Client Sample ID: HA-01-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257075 — **Prep Batch: 256916**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.5		41.3	42.3		mg/Kg		89	75 - 125

Lab Sample ID: 720-90277-1 MSD — **Client Sample ID: HA-01-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257075 — **Prep Batch: 256916**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.5		41.3	42.1		mg/Kg		89	75 - 125	0	20

Lab Sample ID: MB 720-256931/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257039 — **Prep Batch: 256931**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.085	mg/Kg		12/14/18 08:52	12/14/18 14:14	1
Lead	ND		0.50	0.11	mg/Kg		12/14/18 08:52	12/14/18 14:14	1

Lab Sample ID: LCS 720-256931/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257039 — **Prep Batch: 256931**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	52.2		mg/Kg		104	80 - 120
Lead	50.0	52.1		mg/Kg		104	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-90277-21 MS — **Client Sample ID: HA-11-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257039 — **Prep Batch: 256931**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	6.4		43.5	48.3		mg/Kg		96	75 - 125
Lead	11		43.5	53.6		mg/Kg		99	75 - 125

Lab Sample ID: 720-90277-21 MSD — **Client Sample ID: HA-11-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257039 — **Prep Batch: 256931**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	6.4		43.1	48.1		mg/Kg		97	75 - 125	1	20
Lead	11		43.1	53.9		mg/Kg		100	75 - 125	1	20

Lab Sample ID: MB 720-256945/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257040 — **Prep Batch: 256945**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.11	mg/Kg		12/14/18 08:44	12/14/18 16:49	1

Lab Sample ID: LCS 720-256945/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 257040 — **Prep Batch: 256945**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	50.8		mg/Kg		102	80 - 120

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

GC Semi VOA

Prep Batch: 256922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-1	HA-01-0.5	Total/NA	Solid	3546	
720-90277-2	HA-01-2.25	Total/NA	Solid	3546	
720-90277-3	HA-02-0.5	Total/NA	Solid	3546	
720-90277-4	HA-02-2.5	Total/NA	Solid	3546	
720-90277-5	HA-03-0.5	Total/NA	Solid	3546	
720-90277-6	HA-03-2.5	Total/NA	Solid	3546	
720-90277-7	HA-04-0.5	Total/NA	Solid	3546	
720-90277-8	HA-04-2.5	Total/NA	Solid	3546	
720-90277-9	HA-05-0.5	Total/NA	Solid	3546	
720-90277-10	HA-05-2.5	Total/NA	Solid	3546	
720-90277-11	HA-06-0.5	Total/NA	Solid	3546	
720-90277-12	HA-06-2.5	Total/NA	Solid	3546	
720-90277-13	HA-07-0.5	Total/NA	Solid	3546	
720-90277-14	HA-07-2.5	Total/NA	Solid	3546	
720-90277-15	HA-08-0.5	Total/NA	Solid	3546	
720-90277-16	HA-08-2.0	Total/NA	Solid	3546	
720-90277-17	HA-09-0.5	Total/NA	Solid	3546	
720-90277-18	HA-09-2.5	Total/NA	Solid	3546	
720-90277-19	HA-10-0.5	Total/NA	Solid	3546	
720-90277-20	HA-10-2.5	Total/NA	Solid	3546	
MB 720-256922/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-256922/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-90277-1 MS	HA-01-0.5	Total/NA	Solid	3546	
720-90277-1 MSD	HA-01-0.5	Total/NA	Solid	3546	

Prep Batch: 256934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-256934/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-256934/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-90277-24 MS	HA-12-2.5	Total/NA	Solid	3546	
720-90277-24 MSD	HA-12-2.5	Total/NA	Solid	3546	

Prep Batch: 256939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-21	HA-11-0.5	Total/NA	Solid	3546	
720-90277-22	HA-11-2.5	Total/NA	Solid	3546	
720-90277-23	HA-12-0.5	Total/NA	Solid	3546	
720-90277-24	HA-12-2.5	Total/NA	Solid	3546	
720-90277-25	HA-13-0.5	Total/NA	Solid	3546	
720-90277-26	HA-13-2.5	Total/NA	Solid	3546	
720-90277-27	HA-14-0.5	Total/NA	Solid	3546	
720-90277-28	HA-14-2.5	Total/NA	Solid	3546	
720-90277-29	HA-15-0.5	Total/NA	Solid	3546	
720-90277-30	HA-15-1.5	Total/NA	Solid	3546	
720-90277-31	HA-16-0.5	Total/NA	Solid	3546	
MB 720-256939/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-256939/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-90277-21 MS	HA-11-0.5	Total/NA	Solid	3546	
720-90277-21 MSD	HA-11-0.5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Analysis Batch: 256957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-21	HA-11-0.5	Total/NA	Solid	8081A	256939
720-90277-22	HA-11-2.5	Total/NA	Solid	8081A	256939
720-90277-23	HA-12-0.5	Total/NA	Solid	8081A	256939
720-90277-24	HA-12-2.5	Total/NA	Solid	8081A	256939
720-90277-25	HA-13-0.5	Total/NA	Solid	8081A	256939
720-90277-26	HA-13-2.5	Total/NA	Solid	8081A	256939
720-90277-27	HA-14-0.5	Total/NA	Solid	8081A	256939
720-90277-28	HA-14-2.5	Total/NA	Solid	8081A	256939
MB 720-256939/1-A	Method Blank	Total/NA	Solid	8081A	256939
LCS 720-256939/2-A	Lab Control Sample	Total/NA	Solid	8081A	256939
720-90277-21 MS	HA-11-0.5	Total/NA	Solid	8081A	256939
720-90277-21 MSD	HA-11-0.5	Total/NA	Solid	8081A	256939

Analysis Batch: 257049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-1	HA-01-0.5	Total/NA	Solid	8081A	256922
720-90277-2	HA-01-2.25	Total/NA	Solid	8081A	256922
720-90277-3	HA-02-0.5	Total/NA	Solid	8081A	256922
720-90277-4	HA-02-2.5	Total/NA	Solid	8081A	256922
720-90277-5	HA-03-0.5	Total/NA	Solid	8081A	256922
720-90277-6	HA-03-2.5	Total/NA	Solid	8081A	256922
720-90277-7	HA-04-0.5	Total/NA	Solid	8081A	256922
720-90277-29	HA-15-0.5	Total/NA	Solid	8081A	256939
720-90277-30	HA-15-1.5	Total/NA	Solid	8081A	256939
720-90277-31	HA-16-0.5	Total/NA	Solid	8081A	256939
MB 720-256922/1-A	Method Blank	Total/NA	Solid	8081A	256922
MB 720-256934/1-A	Method Blank	Total/NA	Solid	8081A	256934
LCS 720-256922/2-A	Lab Control Sample	Total/NA	Solid	8081A	256922
LCS 720-256934/2-A	Lab Control Sample	Total/NA	Solid	8081A	256934
720-90277-1 MS	HA-01-0.5	Total/NA	Solid	8081A	256922
720-90277-1 MSD	HA-01-0.5	Total/NA	Solid	8081A	256922
720-90277-24 MS	HA-12-2.5	Total/NA	Solid	8081A	256934
720-90277-24 MSD	HA-12-2.5	Total/NA	Solid	8081A	256934

Analysis Batch: 257085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-8	HA-04-2.5	Total/NA	Solid	8081A	256922
720-90277-9	HA-05-0.5	Total/NA	Solid	8081A	256922
720-90277-10	HA-05-2.5	Total/NA	Solid	8081A	256922
720-90277-11	HA-06-0.5	Total/NA	Solid	8081A	256922
720-90277-12	HA-06-2.5	Total/NA	Solid	8081A	256922
720-90277-13	HA-07-0.5	Total/NA	Solid	8081A	256922
720-90277-14	HA-07-2.5	Total/NA	Solid	8081A	256922
720-90277-15	HA-08-0.5	Total/NA	Solid	8081A	256922

Prep Batch: 257104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-32	HA-16-2.5	Total/NA	Solid	3546	
MB 720-257104/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-257104/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-90277-32 MS	HA-16-2.5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 257104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-32 MSD	HA-16-2.5	Total/NA	Solid	3546	

Analysis Batch: 257118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-16	HA-08-2.0	Total/NA	Solid	8081A	256922
720-90277-17	HA-09-0.5	Total/NA	Solid	8081A	256922
720-90277-18	HA-09-2.5	Total/NA	Solid	8081A	256922
720-90277-19	HA-10-0.5	Total/NA	Solid	8081A	256922
720-90277-20	HA-10-2.5	Total/NA	Solid	8081A	256922

Analysis Batch: 257171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-32	HA-16-2.5	Total/NA	Solid	8081A	257104
MB 720-257104/1-A	Method Blank	Total/NA	Solid	8081A	257104
LCS 720-257104/2-A	Lab Control Sample	Total/NA	Solid	8081A	257104
720-90277-32 MS	HA-16-2.5	Total/NA	Solid	8081A	257104
720-90277-32 MSD	HA-16-2.5	Total/NA	Solid	8081A	257104

Metals

Prep Batch: 256916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-1	HA-01-0.5	Total/NA	Solid	3050B	
720-90277-2	HA-01-2.25	Total/NA	Solid	3050B	
720-90277-3	HA-02-0.5	Total/NA	Solid	3050B	
720-90277-4	HA-02-2.5	Total/NA	Solid	3050B	
720-90277-5	HA-03-0.5	Total/NA	Solid	3050B	
720-90277-6	HA-03-2.5	Total/NA	Solid	3050B	
720-90277-7	HA-04-0.5	Total/NA	Solid	3050B	
720-90277-8	HA-04-2.5	Total/NA	Solid	3050B	
720-90277-9	HA-05-0.5	Total/NA	Solid	3050B	
720-90277-10	HA-05-2.5	Total/NA	Solid	3050B	
720-90277-11	HA-06-0.5	Total/NA	Solid	3050B	
720-90277-12	HA-06-2.5	Total/NA	Solid	3050B	
720-90277-13	HA-07-0.5	Total/NA	Solid	3050B	
720-90277-14	HA-07-2.5	Total/NA	Solid	3050B	
720-90277-15	HA-08-0.5	Total/NA	Solid	3050B	
720-90277-16	HA-08-2.0	Total/NA	Solid	3050B	
720-90277-17	HA-09-0.5	Total/NA	Solid	3050B	
720-90277-18	HA-09-2.5	Total/NA	Solid	3050B	
720-90277-19	HA-10-0.5	Total/NA	Solid	3050B	
720-90277-20	HA-10-2.5	Total/NA	Solid	3050B	
MB 720-256916/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-256916/2-A	Lab Control Sample	Total/NA	Solid	3050B	
720-90277-1 MS	HA-01-0.5	Total/NA	Solid	3050B	
720-90277-1 MSD	HA-01-0.5	Total/NA	Solid	3050B	

Prep Batch: 256931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-21	HA-11-0.5	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 256931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-22	HA-11-2.5	Total/NA	Solid	3050B	
720-90277-23	HA-12-0.5	Total/NA	Solid	3050B	
720-90277-24	HA-12-2.5	Total/NA	Solid	3050B	
720-90277-25	HA-13-0.5	Total/NA	Solid	3050B	
720-90277-26	HA-13-2.5	Total/NA	Solid	3050B	
720-90277-27	HA-14-0.5	Total/NA	Solid	3050B	
720-90277-28	HA-14-2.5	Total/NA	Solid	3050B	
720-90277-29	HA-15-0.5	Total/NA	Solid	3050B	
720-90277-30	HA-15-1.5	Total/NA	Solid	3050B	
720-90277-31	HA-16-0.5	Total/NA	Solid	3050B	
720-90277-32	HA-16-2.5	Total/NA	Solid	3050B	
720-90277-33	HA-ST-01-0.5	Total/NA	Solid	3050B	
720-90277-34	HA-ST-01-2.5	Total/NA	Solid	3050B	
720-90277-35	HA-ST-02-0.5	Total/NA	Solid	3050B	
720-90277-36	HA-ST-02-2.5	Total/NA	Solid	3050B	
720-90277-37	HA-ST-03-0.5	Total/NA	Solid	3050B	
720-90277-38	HA-ST-03-2.5	Total/NA	Solid	3050B	
720-90277-39	HA-ST-04-0.5	Total/NA	Solid	3050B	
720-90277-40	HA-ST-04-2.5	Total/NA	Solid	3050B	
MB 720-256931/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-256931/2-A	Lab Control Sample	Total/NA	Solid	3050B	
720-90277-21 MS	HA-11-0.5	Total/NA	Solid	3050B	
720-90277-21 MSD	HA-11-0.5	Total/NA	Solid	3050B	

Prep Batch: 256945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-41	HA-ST-05-0.5	Total/NA	Solid	3050B	
720-90277-42	HA-ST-05-2.5	Total/NA	Solid	3050B	
720-90277-43	HA-ST-06-0.5	Total/NA	Solid	3050B	
MB 720-256945/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-256945/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 257039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-21	HA-11-0.5	Total/NA	Solid	6010B	256931
720-90277-22	HA-11-2.5	Total/NA	Solid	6010B	256931
720-90277-23	HA-12-0.5	Total/NA	Solid	6010B	256931
720-90277-24	HA-12-2.5	Total/NA	Solid	6010B	256931
720-90277-25	HA-13-0.5	Total/NA	Solid	6010B	256931
720-90277-26	HA-13-2.5	Total/NA	Solid	6010B	256931
720-90277-27	HA-14-0.5	Total/NA	Solid	6010B	256931
720-90277-28	HA-14-2.5	Total/NA	Solid	6010B	256931
720-90277-29	HA-15-0.5	Total/NA	Solid	6010B	256931
720-90277-30	HA-15-1.5	Total/NA	Solid	6010B	256931
720-90277-31	HA-16-0.5	Total/NA	Solid	6010B	256931
720-90277-32	HA-16-2.5	Total/NA	Solid	6010B	256931
720-90277-33	HA-ST-01-0.5	Total/NA	Solid	6010B	256931
720-90277-34	HA-ST-01-2.5	Total/NA	Solid	6010B	256931
720-90277-35	HA-ST-02-0.5	Total/NA	Solid	6010B	256931
720-90277-36	HA-ST-02-2.5	Total/NA	Solid	6010B	256931
720-90277-37	HA-ST-03-0.5	Total/NA	Solid	6010B	256931

Metals (Continued)

Analysis Batch: 257039 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-38	HA-ST-03-2.5	Total/NA	Solid	6010B	256931
720-90277-39	HA-ST-04-0.5	Total/NA	Solid	6010B	256931
720-90277-40	HA-ST-04-2.5	Total/NA	Solid	6010B	256931
MB 720-256931/1-A	Method Blank	Total/NA	Solid	6010B	256931
LCS 720-256931/2-A	Lab Control Sample	Total/NA	Solid	6010B	256931
720-90277-21 MS	HA-11-0.5	Total/NA	Solid	6010B	256931
720-90277-21 MSD	HA-11-0.5	Total/NA	Solid	6010B	256931

Analysis Batch: 257040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-41	HA-ST-05-0.5	Total/NA	Solid	6010B	256945
720-90277-42	HA-ST-05-2.5	Total/NA	Solid	6010B	256945
720-90277-43	HA-ST-06-0.5	Total/NA	Solid	6010B	256945
MB 720-256945/1-A	Method Blank	Total/NA	Solid	6010B	256945
LCS 720-256945/2-A	Lab Control Sample	Total/NA	Solid	6010B	256945

Analysis Batch: 257075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-1	HA-01-0.5	Total/NA	Solid	6010B	256916
720-90277-2	HA-01-2.25	Total/NA	Solid	6010B	256916
720-90277-3	HA-02-0.5	Total/NA	Solid	6010B	256916
720-90277-4	HA-02-2.5	Total/NA	Solid	6010B	256916
720-90277-5	HA-03-0.5	Total/NA	Solid	6010B	256916
720-90277-6	HA-03-2.5	Total/NA	Solid	6010B	256916
720-90277-7	HA-04-0.5	Total/NA	Solid	6010B	256916
720-90277-8	HA-04-2.5	Total/NA	Solid	6010B	256916
720-90277-9	HA-05-0.5	Total/NA	Solid	6010B	256916
720-90277-10	HA-05-2.5	Total/NA	Solid	6010B	256916
720-90277-12	HA-06-2.5	Total/NA	Solid	6010B	256916
720-90277-13	HA-07-0.5	Total/NA	Solid	6010B	256916
720-90277-14	HA-07-2.5	Total/NA	Solid	6010B	256916
720-90277-15	HA-08-0.5	Total/NA	Solid	6010B	256916
720-90277-16	HA-08-2.0	Total/NA	Solid	6010B	256916
720-90277-17	HA-09-0.5	Total/NA	Solid	6010B	256916
720-90277-18	HA-09-2.5	Total/NA	Solid	6010B	256916
720-90277-19	HA-10-0.5	Total/NA	Solid	6010B	256916
720-90277-20	HA-10-2.5	Total/NA	Solid	6010B	256916
MB 720-256916/1-A	Method Blank	Total/NA	Solid	6010B	256916
LCS 720-256916/2-A	Lab Control Sample	Total/NA	Solid	6010B	256916
720-90277-1 MS	HA-01-0.5	Total/NA	Solid	6010B	256916
720-90277-1 MSD	HA-01-0.5	Total/NA	Solid	6010B	256916

Analysis Batch: 257278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-90277-11	HA-06-0.5	Total/NA	Solid	6010B	256916

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-01-0.5 — Lab Sample ID: 720-90277-1

Date Collected: 12/12/18 07:48 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 18:26	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 15:45	OBI	TAL PLS

Client Sample ID: HA-01-2.25 — Lab Sample ID: 720-90277-2

Date Collected: 12/12/18 08:01 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 20:40	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 15:50	OBI	TAL PLS

Client Sample ID: HA-02-0.5 — Lab Sample ID: 720-90277-3

Date Collected: 12/12/18 08:08 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 20:57	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 15:55	OBI	TAL PLS

Client Sample ID: HA-02-2.5 — Lab Sample ID: 720-90277-4

Date Collected: 12/12/18 08:12 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 21:13	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 15:59	OBI	TAL PLS

Client Sample ID: HA-03-0.5 — Lab Sample ID: 720-90277-5

Date Collected: 12/12/18 08:20 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 21:30	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-03-0.5 — Lab Sample ID: 720-90277-5

Date Collected: 12/12/18 08:20 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	257075	12/14/18 16:13	OBI	TAL PLS

Client Sample ID: HA-03-2.5 — Lab Sample ID: 720-90277-6

Date Collected: 12/12/18 08:24 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 21:47	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:18	OBI	TAL PLS

Client Sample ID: HA-04-0.5 — Lab Sample ID: 720-90277-7

Date Collected: 12/12/18 08:35 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 22:04	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:23	OBI	TAL PLS

Client Sample ID: HA-04-2.5 — Lab Sample ID: 720-90277-8

Date Collected: 12/12/18 08:41 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 16:17	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:27	OBI	TAL PLS

Client Sample ID: HA-05-0.5 — Lab Sample ID: 720-90277-9

Date Collected: 12/12/18 08:54 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 16:34	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:32	OBI	TAL PLS

Client Sample ID: HA-05-2.5 — Lab Sample ID: 720-90277-10

Date Collected: 12/12/18 09:16 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 16:52	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:37	OBI	TAL PLS

Client Sample ID: HA-06-0.5 — Lab Sample ID: 720-90277-11

Date Collected: 12/12/18 09:31 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 17:09	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		1	257278	12/19/18 12:30	BKR	TAL PLS

Client Sample ID: HA-06-2.5 — Lab Sample ID: 720-90277-12

Date Collected: 12/12/18 09:40 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 17:27	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:46	OBI	TAL PLS

Client Sample ID: HA-07-0.5 — Lab Sample ID: 720-90277-13

Date Collected: 12/12/18 09:50 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 17:45	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 16:51	OBI	TAL PLS

Client Sample ID: HA-07-2.5 — Lab Sample ID: 720-90277-14

Date Collected: 12/12/18 10:07 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 18:03	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Client Sample ID: HA-07-2.5 — Lab Sample ID: 720-90277-14

Date Collected: 12/12/18 10:07 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	257075	12/14/18 16:55	OBI	TAL PLS

Client Sample ID: HA-08-0.5 — Lab Sample ID: 720-90277-15

Date Collected: 12/12/18 10:21 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257085	12/17/18 18:20	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 17:09	OBI	TAL PLS

Client Sample ID: HA-08-2.0 — Lab Sample ID: 720-90277-16

Date Collected: 12/12/18 10:53 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257118	12/18/18 11:12	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 17:14	OBI	TAL PLS

Client Sample ID: HA-09-0.5 — Lab Sample ID: 720-90277-17

Date Collected: 12/12/18 14:59 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257118	12/18/18 11:28	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 17:19	OBI	TAL PLS

Client Sample ID: HA-09-2.5 — Lab Sample ID: 720-90277-18

Date Collected: 12/12/18 15:11 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257118	12/18/18 11:45	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 17:23	OBI	TAL PLS

Client Sample ID: HA-10-0.5 — Lab Sample ID: 720-90277-19

Date Collected: 12/12/18 11:01 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257118	12/18/18 12:02	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 17:28	OBI	TAL PLS

Client Sample ID: HA-10-2.5 — Lab Sample ID: 720-90277-20

Date Collected: 12/12/18 11:13 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256922	12/13/18 13:35	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257118	12/18/18 12:18	JZT	TAL PLS
Total/NA	Prep	3050B			256916	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257075	12/14/18 17:33	OBI	TAL PLS

Client Sample ID: HA-11-0.5 — Lab Sample ID: 720-90277-21

Date Collected: 12/12/18 11:29 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 15:54	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 14:43	MAG	TAL PLS

Client Sample ID: HA-11-2.5 — Lab Sample ID: 720-90277-22

Date Collected: 12/12/18 11:40 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 17:58	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 14:48	MAG	TAL PLS

Client Sample ID: HA-12-0.5 — Lab Sample ID: 720-90277-23

Date Collected: 12/12/18 11:50 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 18:17	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS

Client Sample ID: HA-12-0.5 — Lab Sample ID: 720-90277-23

Date Collected: 12/12/18 11:50 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	257039	12/14/18 14:53	MAG	TAL PLS

Client Sample ID: HA-12-2.5 — Lab Sample ID: 720-90277-24

Date Collected: 12/12/18 12:08 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 18:34	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 14:58	MAG	TAL PLS

Client Sample ID: HA-13-0.5 — Lab Sample ID: 720-90277-25

Date Collected: 12/12/18 13:09 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 18:52	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:12	MAG	TAL PLS

Client Sample ID: HA-13-2.5 — Lab Sample ID: 720-90277-26

Date Collected: 12/12/18 13:34 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 19:10	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:17	MAG	TAL PLS

Client Sample ID: HA-14-0.5 — Lab Sample ID: 720-90277-27

Date Collected: 12/12/18 13:43 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 19:27	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:22	MAG	TAL PLS

Client Sample ID: HA-14-2.5 — Lab Sample ID: 720-90277-28

Date Collected: 12/12/18 14:10 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	256957	12/14/18 19:45	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:27	MAG	TAL PLS

Client Sample ID: HA-15-0.5 — Lab Sample ID: 720-90277-29

Date Collected: 12/12/18 14:18 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 19:33	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:32	MAG	TAL PLS

Client Sample ID: HA-15-1.5 — Lab Sample ID: 720-90277-30

Date Collected: 12/12/18 14:45 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 19:50	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:37	MAG	TAL PLS

Client Sample ID: HA-16-0.5 — Lab Sample ID: 720-90277-31

Date Collected: 12/12/18 12:20 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			256939	12/13/18 15:21	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257049	12/15/18 20:06	JZT	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 15:42	MAG	TAL PLS

Client Sample ID: HA-16-2.5 — Lab Sample ID: 720-90277-32

Date Collected: 12/12/18 12:42 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			257104	12/17/18 15:28	RAR	TAL PLS
Total/NA	Analysis	8081A		1	257171	12/18/18 19:41	MQL	TAL PLS
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS

Client Sample ID: HA-16-2.5 — Lab Sample ID: 720-90277-32

Date Collected: 12/12/18 12:42 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	257039	12/14/18 15:46	MAG	TAL PLS

Client Sample ID: HA-ST-01-0.5 — Lab Sample ID: 720-90277-33

Date Collected: 12/12/18 15:22 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:01	MAG	TAL PLS

Client Sample ID: HA-ST-01-2.5 — Lab Sample ID: 720-90277-34

Date Collected: 12/12/18 15:26 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:06	MAG	TAL PLS

Client Sample ID: HA-ST-02-0.5 — Lab Sample ID: 720-90277-35

Date Collected: 12/12/18 15:40 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:20	MAG	TAL PLS

Client Sample ID: HA-ST-02-2.5 — Lab Sample ID: 720-90277-36

Date Collected: 12/12/18 15:47 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:25	MAG	TAL PLS

Client Sample ID: HA-ST-03-0.5 — Lab Sample ID: 720-90277-37

Date Collected: 12/12/18 16:12 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:30	MAG	TAL PLS

Client Sample ID: HA-ST-03-2.5 — Lab Sample ID: 720-90277-38

Date Collected: 12/12/18 16:18 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:35	MAG	TAL PLS

Client Sample ID: HA-ST-04-0.5 — Lab Sample ID: 720-90277-39

Date Collected: 12/12/18 15:53 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:40	MAG	TAL PLS

Client Sample ID: HA-ST-04-2.5 — Lab Sample ID: 720-90277-40

Date Collected: 12/12/18 15:56 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256931	12/14/18 08:52	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257039	12/14/18 16:44	MAG	TAL PLS

Client Sample ID: HA-ST-05-0.5 — Lab Sample ID: 720-90277-41

Date Collected: 12/12/18 16:00 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256945	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257040	12/14/18 17:32	MAG	TAL PLS

Client Sample ID: HA-ST-05-2.5 — Lab Sample ID: 720-90277-42

Date Collected: 12/12/18 16:08 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256945	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257040	12/14/18 17:37	MAG	TAL PLS

Client Sample ID: HA-ST-06-0.5 — Lab Sample ID: 720-90277-43

Date Collected: 12/12/18 16:41 — **Matrix: Solid**
Date Received: 12/13/18 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			256945	12/14/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	257040	12/14/18 17:42	MAG	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Laboratory: TestAmerica Pleasanton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-20
USDA	Federal		P330-17-00380	12-11-20

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
3050B	Preparation, Metals	SW846	TAL PLS
3546	Microwave Extraction	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: TCC Cochrance Limited Phase II

TestAmerica Job ID: 720-90277-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-90277-1	HA-01-0.5	Solid	12/12/18 07:48	12/13/18 08:33
720-90277-2	HA-01-2.25	Solid	12/12/18 08:01	12/13/18 08:33
720-90277-3	HA-02-0.5	Solid	12/12/18 08:08	12/13/18 08:33
720-90277-4	HA-02-2.5	Solid	12/12/18 08:12	12/13/18 08:33
720-90277-5	HA-03-0.5	Solid	12/12/18 08:20	12/13/18 08:33
720-90277-6	HA-03-2.5	Solid	12/12/18 08:24	12/13/18 08:33
720-90277-7	HA-04-0.5	Solid	12/12/18 08:35	12/13/18 08:33
720-90277-8	HA-04-2.5	Solid	12/12/18 08:41	12/13/18 08:33
720-90277-9	HA-05-0.5	Solid	12/12/18 08:54	12/13/18 08:33
720-90277-10	HA-05-2.5	Solid	12/12/18 09:16	12/13/18 08:33
720-90277-11	HA-06-0.5	Solid	12/12/18 09:31	12/13/18 08:33
720-90277-12	HA-06-2.5	Solid	12/12/18 09:40	12/13/18 08:33
720-90277-13	HA-07-0.5	Solid	12/12/18 09:50	12/13/18 08:33
720-90277-14	HA-07-2.5	Solid	12/12/18 10:07	12/13/18 08:33
720-90277-15	HA-08-0.5	Solid	12/12/18 10:21	12/13/18 08:33
720-90277-16	HA-08-2.0	Solid	12/12/18 10:53	12/13/18 08:33
720-90277-17	HA-09-0.5	Solid	12/12/18 14:59	12/13/18 08:33
720-90277-18	HA-09-2.5	Solid	12/12/18 15:11	12/13/18 08:33
720-90277-19	HA-10-0.5	Solid	12/12/18 11:01	12/13/18 08:33
720-90277-20	HA-10-2.5	Solid	12/12/18 11:13	12/13/18 08:33
720-90277-21	HA-11-0.5	Solid	12/12/18 11:29	12/13/18 08:33
720-90277-22	HA-11-2.5	Solid	12/12/18 11:40	12/13/18 08:33
720-90277-23	HA-12-0.5	Solid	12/12/18 11:50	12/13/18 08:33
720-90277-24	HA-12-2.5	Solid	12/12/18 12:08	12/13/18 08:33
720-90277-25	HA-13-0.5	Solid	12/12/18 13:09	12/13/18 08:33
720-90277-26	HA-13-2.5	Solid	12/12/18 13:34	12/13/18 08:33
720-90277-27	HA-14-0.5	Solid	12/12/18 13:43	12/13/18 08:33
720-90277-28	HA-14-2.5	Solid	12/12/18 14:10	12/13/18 08:33
720-90277-29	HA-15-0.5	Solid	12/12/18 14:18	12/13/18 08:33
720-90277-30	HA-15-1.5	Solid	12/12/18 14:45	12/13/18 08:33
720-90277-31	HA-16-0.5	Solid	12/12/18 12:20	12/13/18 08:33
720-90277-32	HA-16-2.5	Solid	12/12/18 12:42	12/13/18 08:33
720-90277-33	HA-ST-01-0.5	Solid	12/12/18 15:22	12/13/18 08:33
720-90277-34	HA-ST-01-2.5	Solid	12/12/18 15:26	12/13/18 08:33
720-90277-35	HA-ST-02-0.5	Solid	12/12/18 15:40	12/13/18 08:33
720-90277-36	HA-ST-02-2.5	Solid	12/12/18 15:47	12/13/18 08:33
720-90277-37	HA-ST-03-0.5	Solid	12/12/18 16:12	12/13/18 08:33
720-90277-38	HA-ST-03-2.5	Solid	12/12/18 16:18	12/13/18 08:33
720-90277-39	HA-ST-04-0.5	Solid	12/12/18 15:53	12/13/18 08:33
720-90277-40	HA-ST-04-2.5	Solid	12/12/18 15:56	12/13/18 08:33
720-90277-41	HA-ST-05-0.5	Solid	12/12/18 16:00	12/13/18 08:33
720-90277-42	HA-ST-05-2.5	Solid	12/12/18 16:08	12/13/18 08:33
720-90277-43	HA-ST-06-0.5	Solid	12/12/18 16:41	12/13/18 08:33

720-90277

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566-4756
phone 925 484.1919 fax 925.600.3002

Chain of Custody Record for
Haley & Aldrich, Inc. Blanket Service Agreement #2015-18-TestAmerica

TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

TestAmerica's services under this CoC shall be performed in accordance with the T&Cs with a Blanket Service Agreement# 2015-18-TestAmerica by and between Haley & Aldrich, Inc. its subsidiaries and affiliates and TestAmerica Laboratories, Inc.

Client Contact	H&A Project Manager: J. Grant	H&A Site Contact: K. Buts	Date: 12/12/18	COC No: 187299
trammell Crow Company	Tel/Fax: 925.949.4412	Lab Contact: Micah Smith	Carrier:	1 of 4 COCs
415 Mission Street, 45 Floor	Analysis Turnaround Time			Sampler:
San Francisco, Ca 94105	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx Phone	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☑ 2 weeks			Lab Sampling:
TCC Cochrane Limited Phase II	☐ 1 week			
1050 Cochrane Road	☐ 2 days			Job / SDG No.:
132734-003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	OCPs Method 8081	Arsenic Method 6010	Lead Method 6010	Sample Specific Notes:
HA-01-0.5	12/12/18	0748	G	SOIL	1			✓	✓		
HA-01-~~2.5~~ KB 2.25		0801	G	SOIL	1			✓	✓		
HA-02-0.5		0808	G	SOIL	1			✓	✓		
HA-02-2.5		0812	G	SOIL	1			✓	✓		
HA-03-0.5		0820	G	SOIL	1			✓	✓		
HA-03-2.5		0824	G	SOIL	1			✓	✓		
HA-04-0.5		0835	G	SOIL	1			✓	✓		
HA-04-2.5		0841	G	SOIL	1			✓	✓		
HA-05-0.5		0854	G	SOIL	1			✓	✓		
HA-05-2.5		0916	G	SOIL	1			✓	✓		
HA-06-0.5		0931	G	SOIL	1			✓	✓		
HA-06-2.5	↓	0940	G	SOIL	1			✓	✓		

720-90277 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.3, 2.8 °C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd._____ Corr'd._____ Therm ID No._____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jodi Kut KELSI BUTS	H&A	12/13/18 0830	[signature]	TAPLS	12/13/18 0833
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-045, Rev. 1.2, dated 1/8/2016

TestAmerica Pleasanton
Quarry Lane

Pleasanton, CA 94566-4756
phone 925.484.1919 fax 925 600.3002

Chain of Custody Record for
Haley & Aldrich, Inc. Blanket Service Agreement #2015-18-TestAmerica

720-90277

TestAmerica

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica's services under this COC shall be performed in accordance with the T&Cs within Blanket Service Agreement# 2015-18 TestAmerica by and between Haley & Aldrich, Inc., its subsidiaries and affiliates, and TestAmerica Laboratories Inc.

Client Contact	H&A Project Manager: J. Grant	H&A Site Contact: K. Buts	Date: 12/12/18	COC No. 107299
Trammell Crow Company	Tel/Fax: 925.949.4412	Lab Contact: Micah Smith	Carrier:	2 of 4 COCs
415 Mission Street, 45 Floor	Analysis Turnaround Time			Sampler:
San Francisco, Ca 94105	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx Phone	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☑ 2 weeks			Lab Sampling:
TCC Cochrane Limited Phase II	☐ 1 week			
1050 Cochrane Road	☐ 2 days			Job / SDG No.:
132734-003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	OCPs Method 8081	Arsenic Method 6010	Lead Method 6010	Sample Specific Notes.
HA-07-0.5	12/12/18	0930	G	SOIL	1						
HA-07-2.5		1007	G	SOIL	1						
HA-08-0.5		1021	G	SOIL	1						
HA-08-~~2.5~~ 2.0		1053	G	SOIL	1						
HA-09-0.5		1459	G	SOIL	1						
HA-09-2.5		1511	G	SOIL	1						
HA-10-0.5		1101	G	SOIL	1						
HA-10-2.5		1113	G	SOIL	1						
HA-11-0.5		1129	G	SOIL	1						
HA-11-2.5		1140	G	SOIL	1						
HA-12-0.5		1150	G	SOIL	1						
HA-12-2.5		1208	G	SOIL	1						

Preservation Used: (1= Ice) 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.3, 2.8C

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Kelsey Fitzbuts	H&A	12/13/18 0830	[illegible]	TAPLS	12/13/18 8:33
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-045, Rev. 1.2, dated 1/8/2016

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566-4756
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record for Haley & Aldrich, Inc. Blanket Service Agreement #2015-18-TestAmerica

TestAmerica

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: 720-90277

TestAmerica's services under this CoC shall be performed in accordance with the T&Cs within Blanket Service Agreement# 2015-18-TestAmerica by and between Haley & Aldrich, Inc., its subsidiaries and affiliates, and TestAmerica Laboratories, Inc.

Client Contact	H&A Project Manager: J. Grant	H&A Site Contact: K. Buts	Date: 12/12/18	COC No: 107299
Trammell Crow Company	Tel/Fax: 925.949.4412	Lab Contact: Micah Smith	Carrier:	3 of 4 COCs
415 Mission Street, 45 Floor	Analysis Turnaround Time			Sampler:
San Francisco, Ca 94105	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx Phone	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☑ 2 weeks			Lab Sampling:
TCC Cochrane Limited Phase II	☐ 1 week			
1050 Cochrane Road	☐ 2 days			Job / SDG No..
132734-003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	OCPs Method 8081	Arsenic Method 6010	Lead Method 6010	Sample Specific Notes:
HA-13-0.5	12/12/18	1309	G	SOIL	1			✓	✓		
HA-13-2.5	↓	1331	G	SOIL	1			✓	✓		
HA-14-0.5	↓	1343	G	SOIL	1			✓	✓		
HA-14-2.5	↓	1410	G	SOIL	1			✓	✓		
HA-15-0.5	↓	1418	G	SOIL	1			✓	✓		
HA-15-~~2.5~~ 1.5	↓	1445	G	SOIL	1			✓	✓		
HA-16-0.5	↓	1226	G	SOIL	1			✓	✓		
HA-16-2.5	↓	1242	G	SOIL	1			✓	✓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.3, 2.8 °C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
KELSI BUTS	H&A	12/13/18 0830		TAPLS	12/13/18 8:33
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-045, Rev. 1.2, dated 1/8/2016

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566-4756
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record for
Haley & Aldrich, Inc. Blanket Service Agreement #2015-18-TestAmerica

TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: 726-10277

TestAmerica Laboratories, Inc.

TestAmerica's services under this CoC shall be performed in accordance with the T&Cs within Blanket Service Agreement# 2015-18-TestAmerica by and between Haley & Aldrich, Inc., its subsidiaries and affiliates, and TestAmerica Laboratories, In

Client Contact	H&A Project Manager: J. Grant	H&A Site Contact: K. Buts	Date: 12/12/18	COC No: 1872999
Trammell Crow Company	Tel/Fax: 925.949.4412	Lab Contact: Micah Smith	Carrier:	4 of 7 COCs
415 Mission Street, 45 Floor	Analysis Turnaround Time			Sampler:
San Francisco, Ca 94105	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx Phone	TAT if different from Below			Walk-in Client:
(xxx) xxx-xxxx FAX	☑ 2 weeks			Lab Sampling:
TCC Cochrane Limited Phase II	☐ 1 week			
1050 Cochrane Road	☐ 2 days			Job / SDG No.:
132734-003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	OCPs Method 8081	Arsenic Method 6010	Lead Method 6010	Sample Specific Notes:
HA-ST-01-0.5	12/12/18	1522	G	SOIL	1					✓	
HA-ST-01-2.5	↓	1526	G	SOIL	1					✓	
HA-ST-02-0.5		1540	G	SOIL	1					✓	
HA-ST-02-2.5		1547	G	SOIL	1					✓	
HA-ST-03-0.5		1612	G	SOIL	1					✓	
HA-ST-03-2.5		1615	G	SOIL	1					✓	
HA-ST-04-0.5		1553	G	SOIL	1					✓	
HA-ST-04-2.5		1558	G	SOIL	1					✓	
HA-ST-05-0.5		1600	G	SOIL	1					✓	
HA-ST-05-2.5		1603	G	SOIL	1					✓	
HA-ST-06-0.5	↓	1611	G	SOIL	1					✓	
KB ~~HA-ST-06-2.5~~			G	SOIL							

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
2.3, 2.8 °C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.. | Cooler Temp. (°C). Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Kelly Buts KELS BUTS	TIA	12/13/18 0830	[signature]	TAPLS	12/13/18 8:33
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-045, Rev. 1.2, dated 1/8/2016

RE: TestAmerica Sample Login Confirmation files from 720-90277 TCC Cochrance Limited Phase II

GJ Grant, Jason <JGrant@haleyaldrich.com> Reply all |
Today, 9:00 AM
Abril, Brittney M.

Inbox

You replied on 12/14/2018 9:01 AM.

720-90277 Chain of Custody

-External Email-

Yes please. Thank you!

Jason Grant, P.E.
Senior Project Manager

Haley & Aldrich, Inc.
2033 North Main Street | Suite 309
Walnut Creek, California 94596

T: (925) 949.4412
C: (925) 250.1156

www.haleyaldrich.com

From: Abril, Brittney M. <Brittney.Abril@testamericainc.com>
Sent: Friday, December 14, 2018 8:59 AM
To: Grant, Jason <JGrant@haleyaldrich.com>
Subject: Re: TestAmerica Sample Login Confirmation files from 720-90277 TCC Cochrance Limited Phase II

Hi Jason,

The COC was marked for a 2 week TAT. I can change it to 5 if that's what it was supposed to be.

Regards,

From: Grant, Jason <JGrant@haleyaldrich.com>
Sent: Friday, December 14, 2018 8:56:04 AM
To: Abril, Brittney M.
Cc: Godard, Vanessa; Smith, Micah
Subject: RE: TestAmerica Sample Login Confirmation files from 720-90277 TCC Cochrance Limited Phase II

-External Email-

Good Morning Abril,

I noticed these samples are being analyzed on a 10 day TAT. I thought Haley & Aldrich's standard TAT with TestAmerica is 5 day in California. Did this change?

Thank you,

Jason

Jason Grant, P.E.
Senior Project Manager

Haley & Aldrich, Inc.
2033 North Main Street | Suite 309
Walnut Creek, California 94596

T: (925) 949.4412
C: (925) 250.1156

www.haleyaldrich.com

From: Abril, Brittney <brittney.abril@testamericainc.com>
Sent: Friday, December 14, 2018 8:51 AM
To: Abril Brittney M <brittney.abril@testamericainc.com>; Grant, Jason <JGrant@haleyaldrich.com>; Godard, Vanessa <VGodard@haleyaldrich.com>
Subject: TestAmerica Sample Login Confirmation files from 720-90277 TCC Cochrance Limited Phase II

Hello,

Attached, please find the Sample Confirmation files for job 720-90277; TCC Cochrance Limited Phase II

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-90277-1

Login Number: 90277
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	