

Hit Summary Sheet
SW-846

SDG No.: Q3310

Order ID: Q3310

Client: Langan Engineering and Environmental Services.

Project ID: Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-01-0-1								
Q3310-01	SS-01-0-1	SOIL	Dieldrin	4.00		0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	4,4-DDE	0.94	JP	0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	Endrin	0.67	J	0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	4,4-DDD	1.90	JP	0.23	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	4,4-DDT	3.20	P	0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	alpha-Chlordane	3.60		0.18	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	gamma-Chlordane	4.10		0.23	2.60	ug/kg
Total Concentration:				18.410				
Client ID : SS-01-1-2								
Q3310-02	SS-01-1-2	SOIL	4,4-DDE	1.70	JP	0.19	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	4,4-DDD	2.50	P	0.21	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	4,4-DDT	2.50	P	0.19	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	alpha-Chlordane	1.70	JP	0.17	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	gamma-Chlordane	1.20	JP	0.21	2.30	ug/kg
Total Concentration:				9.600				
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	4,4-DDE	0.30	J	0.19	2.30	ug/kg
Q3310-03	SS-01-2-3	SOIL	Endosulfan Sulfate	0.44	JP	0.17	2.30	ug/kg
Q3310-03	SS-01-2-3	SOIL	4,4-DDT	0.47	J	0.19	2.30	ug/kg
Q3310-03	SS-01-2-3	SOIL	alpha-Chlordane	0.17	J	0.16	2.30	ug/kg
Total Concentration:				1.380				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1		SDG No.:	Q3310	
Lab Sample ID:	Q3310-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097601.D	1	10/10/25 09:06	10/10/25 14:11	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	2.60	ug/kg
319-85-7	beta-BHC	0.27	U	0.27	2.60	ug/kg
319-86-8	delta-BHC	0.60	U	0.60	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	2.60	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	2.60	ug/kg
309-00-2	Aldrin	0.18	U	0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	0.29	U	0.29	2.60	ug/kg
959-98-8	Endosulfan I	0.21	U	0.21	2.60	ug/kg
60-57-1	Dieldrin	4.00		0.21	2.60	ug/kg
72-55-9	4,4-DDE	0.94	JP	0.21	2.60	ug/kg
72-20-8	Endrin	0.67	J	0.21	2.60	ug/kg
33213-65-9	Endosulfan II	0.44	U	0.44	2.60	ug/kg
72-54-8	4,4-DDD	1.90	JP	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	0.20	U	0.20	2.60	ug/kg
50-29-3	4,4-DDT	3.20	P	0.21	2.60	ug/kg
72-43-5	Methoxychlor	0.56	U	0.56	2.60	ug/kg
53494-70-5	Endrin ketone	0.29	U	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	0.56	U	0.56	2.60	ug/kg
5103-71-9	alpha-Chlordane	3.60		0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	4.10		0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.30	U	8.30	50.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.4		20 - 144	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.4		19 - 148	67%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1		SDG No.:	Q3310	
Lab Sample ID:	Q3310-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097601.D	1	10/10/25 09:06	10/10/25 14:11	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-1-2		SDG No.:	Q3310	
Lab Sample ID:	Q3310-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	72.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097604.D	1	10/10/25 09:06	10/10/25 14:52	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	2.30	ug/kg
319-85-7	beta-BHC	0.25	U	0.25	2.30	ug/kg
319-86-8	delta-BHC	0.54	U	0.54	2.30	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	2.30	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	2.30	ug/kg
309-00-2	Aldrin	0.17	U	0.17	2.30	ug/kg
1024-57-3	Heptachlor epoxide	0.26	U	0.26	2.30	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	2.30	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.30	ug/kg
72-55-9	4,4-DDE	1.70	JP	0.19	2.30	ug/kg
72-20-8	Endrin	0.19	U	0.19	2.30	ug/kg
33213-65-9	Endosulfan II	0.40	U	0.40	2.30	ug/kg
72-54-8	4,4-DDD	2.50	P	0.21	2.30	ug/kg
1031-07-8	Endosulfan Sulfate	0.18	U	0.18	2.30	ug/kg
50-29-3	4,4-DDT	2.50	P	0.19	2.30	ug/kg
72-43-5	Methoxychlor	0.51	U	0.51	2.30	ug/kg
53494-70-5	Endrin ketone	0.26	U	0.26	2.30	ug/kg
7421-93-4	Endrin aldehyde	0.51	U	0.51	2.30	ug/kg
5103-71-9	alpha-Chlordane	1.70	JP	0.17	2.30	ug/kg
5103-74-2	gamma-Chlordane	1.20	JP	0.21	2.30	ug/kg
8001-35-2	Toxaphene	7.50	U	7.50	45.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.93		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	8.79		19 - 148	44%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-1-2		SDG No.:	Q3310	
Lab Sample ID:	Q3310-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	72.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097604.D	1	10/10/25 09:06	10/10/25 14:52	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-2-3		SDG No.:	Q3310	
Lab Sample ID:	Q3310-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	75.1	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097606.D	1	10/10/25 09:06	10/10/25 15:19	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.30	ug/kg
319-85-7	beta-BHC	0.24	U	0.24	2.30	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	2.30	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	2.30	ug/kg
76-44-8	Heptachlor	0.16	U	0.16	2.30	ug/kg
309-00-2	Aldrin	0.16	U	0.16	2.30	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	2.30	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	2.30	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.30	ug/kg
72-55-9	4,4-DDE	0.30	J	0.19	2.30	ug/kg
72-20-8	Endrin	0.19	U	0.19	2.30	ug/kg
33213-65-9	Endosulfan II	0.39	U	0.39	2.30	ug/kg
72-54-8	4,4-DDD	0.20	U	0.20	2.30	ug/kg
1031-07-8	Endosulfan Sulfate	0.44	JP	0.17	2.30	ug/kg
50-29-3	4,4-DDT	0.47	J	0.19	2.30	ug/kg
72-43-5	Methoxychlor	0.49	U	0.49	2.30	ug/kg
53494-70-5	Endrin ketone	0.25	U	0.25	2.30	ug/kg
7421-93-4	Endrin aldehyde	0.49	U	0.49	2.30	ug/kg
5103-71-9	alpha-Chlordane	0.17	J	0.16	2.30	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	2.30	ug/kg
8001-35-2	Toxaphene	7.20	U	7.20	43.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.88		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.5		19 - 148	53%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-2-3		SDG No.:	Q3310	
Lab Sample ID:	Q3310-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	75.1	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097606.D	1	10/10/25 09:06	10/10/25 15:19	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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LAB CHRONICLE

OrderID: Q3310	OrderDate: 10/8/2025 1:24:21 PM
Client: Langan Engineering and Environmental Services, Inc	Project: Con Edison Richmond Terrace
Contact: Gregory DelMastro	Location: D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3310-01	SS-01-0-1	SOIL	Pesticide-TCL	8081B	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-02	SS-01-1-2	SOIL	Pesticide-TCL	8081B	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-03	SS-01-2-3	SOIL	Pesticide-TCL	8081B	10/07/25	10/10/25	10/10/25	10/08/25