



Hit Summary Sheet
SW-846

SDG No.:	P1747	Order ID:	P1747
Client:	LiRo Engineers, Inc.	Project ID:	Walter Gladwin Recreation Center, Br

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								

Total Concentration: 0.000

SAMPLE DATA

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24
Client Sample ID:	MW-01	SDG No.:	P1747
Lab Sample ID:	P1747-01	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088618.D	1	03/14/24 10:51	03/14/24 19:02	PB159588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0063	U	0.0063	0.052	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.052	ug/L
319-86-8	delta-BHC	0.016	U	0.016	0.052	ug/L
58-89-9	gamma-BHC (Lindane)	0.0051	U	0.0051	0.052	ug/L
76-44-8	Heptachlor	0.0056	U	0.0056	0.052	ug/L
309-00-2	Aldrin	0.0045	U	0.0045	0.052	ug/L
1024-57-3	Heptachlor epoxide	0.0093	U	0.0093	0.052	ug/L
959-98-8	Endosulfan I	0.0052	U	0.0052	0.052	ug/L
60-57-1	Dieldrin	0.0048	U	0.0048	0.052	ug/L
72-55-9	4,4-DDE	0.0046	U	0.0046	0.052	ug/L
72-20-8	Endrin	0.0044	U	0.0044	0.052	ug/L
33213-65-9	Endosulfan II	0.0077	U	0.0077	0.052	ug/L
72-54-8	4,4-DDD	0.0095	U	0.0095	0.052	ug/L
1031-07-8	Endosulfan Sulfate	0.0036	U	0.0036	0.052	ug/L
50-29-3	4,4-DDT	0.0045	U	0.0045	0.052	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.052	ug/L
53494-70-5	Endrin ketone	0.010	U	0.010	0.052	ug/L
7421-93-4	Endrin aldehyde	0.010	U	0.010	0.052	ug/L
5103-71-9	alpha-Chlordane	0.0062	U	0.0062	0.052	ug/L
5103-74-2	gamma-Chlordane	0.0062	U	0.0062	0.052	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		27 - 142	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		35 - 148	101%	SPK: 20

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24
Client Sample ID:	MW-01	SDG No.:	P1747
Lab Sample ID:	P1747-01	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088618.D	1	03/14/24 10:51	03/14/24 19:02	PB159588

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:	LiRo Engineers, Inc.	Date Collected:	03/12/24
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24
Client Sample ID:	MW-01-DUP	SDG No.:	P1747
Lab Sample ID:	P1747-02	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088619.D	1	03/14/24 10:51	03/14/24 19:16	PB159588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0063	U	0.0063	0.052	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.052	ug/L
319-86-8	delta-BHC	0.016	U	0.016	0.052	ug/L
58-89-9	gamma-BHC (Lindane)	0.0051	U	0.0051	0.052	ug/L
76-44-8	Heptachlor	0.0056	U	0.0056	0.052	ug/L
309-00-2	Aldrin	0.0045	U	0.0045	0.052	ug/L
1024-57-3	Heptachlor epoxide	0.0093	U	0.0093	0.052	ug/L
959-98-8	Endosulfan I	0.0052	U	0.0052	0.052	ug/L
60-57-1	Dieldrin	0.0048	U	0.0048	0.052	ug/L
72-55-9	4,4-DDE	0.0046	U	0.0046	0.052	ug/L
72-20-8	Endrin	0.0044	U	0.0044	0.052	ug/L
33213-65-9	Endosulfan II	0.0077	U	0.0077	0.052	ug/L
72-54-8	4,4-DDD	0.0095	U	0.0095	0.052	ug/L
1031-07-8	Endosulfan Sulfate	0.0036	U	0.0036	0.052	ug/L
50-29-3	4,4-DDT	0.0045	U	0.0045	0.052	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.052	ug/L
53494-70-5	Endrin ketone	0.010	U	0.010	0.052	ug/L
7421-93-4	Endrin aldehyde	0.010	U	0.010	0.052	ug/L
5103-71-9	alpha-Chlordane	0.0062	U	0.0062	0.052	ug/L
5103-74-2	gamma-Chlordane	0.0062	U	0.0062	0.052	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.2		27 - 142	61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		35 - 148	97%	SPK: 20



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Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24			
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24			
Client Sample ID:	MW-01-DUP	SDG No.:	P1747			
Lab Sample ID:	P1747-02	Matrix:	WATER			
Analytical Method:	SW8081	% Solid:	0	Decanted:		
Sample Wt/Vol:	970	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088619.D	1	03/14/24 10:51	03/14/24 19:16	PB159588

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

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24
Client Sample ID:	MW-02	SDG No.:	P1747
Lab Sample ID:	P1747-04	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088620.D	1	03/14/24 10:51	03/14/24 19:30	PB159588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0062	U	0.0062	0.051	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.051	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.0050	U	0.0050	0.051	ug/L
76-44-8	Heptachlor	0.0055	U	0.0055	0.051	ug/L
309-00-2	Aldrin	0.0045	U	0.0045	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.0092	U	0.0092	0.051	ug/L
959-98-8	Endosulfan I	0.0051	U	0.0051	0.051	ug/L
60-57-1	Dieldrin	0.0048	U	0.0048	0.051	ug/L
72-55-9	4,4-DDE	0.0046	U	0.0046	0.051	ug/L
72-20-8	Endrin	0.0044	U	0.0044	0.051	ug/L
33213-65-9	Endosulfan II	0.0077	U	0.0077	0.051	ug/L
72-54-8	4,4-DDD	0.0094	U	0.0094	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.0036	U	0.0036	0.051	ug/L
50-29-3	4,4-DDT	0.0045	U	0.0045	0.051	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.051	ug/L
53494-70-5	Endrin ketone	0.0099	U	0.0099	0.051	ug/L
7421-93-4	Endrin aldehyde	0.010	U	0.010	0.051	ug/L
5103-71-9	alpha-Chlordane	0.0061	U	0.0061	0.051	ug/L
5103-74-2	gamma-Chlordane	0.0061	U	0.0061	0.051	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.6		27 - 142	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		35 - 148	111%	SPK: 20



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Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24		
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24		
Client Sample ID:	MW-02	SDG No.:	P1747		
Lab Sample ID:	P1747-04	Matrix:	WATER		
Analytical Method:	SW8081	% Solid:	0	Decanted:	
Sample Wt/Vol:	980	Units:	mL	Final Vol:	10000 uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL
Extraction Type:				Injection Volume :	
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088620.D	1	03/14/24 10:51	03/14/24 19:30	PB159588

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

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24
Client Sample ID:	TWP-04	SDG No.:	P1747
Lab Sample ID:	P1747-05	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088621.D	1	03/14/24 10:51	03/14/24 19:44	PB159588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0063	U	0.0063	0.052	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.052	ug/L
319-86-8	delta-BHC	0.016	U	0.016	0.052	ug/L
58-89-9	gamma-BHC (Lindane)	0.0051	U	0.0051	0.052	ug/L
76-44-8	Heptachlor	0.0056	U	0.0056	0.052	ug/L
309-00-2	Aldrin	0.0045	U	0.0045	0.052	ug/L
1024-57-3	Heptachlor epoxide	0.0093	U	0.0093	0.052	ug/L
959-98-8	Endosulfan I	0.0052	U	0.0052	0.052	ug/L
60-57-1	Dieldrin	0.0048	U	0.0048	0.052	ug/L
72-55-9	4,4-DDE	0.0046	U	0.0046	0.052	ug/L
72-20-8	Endrin	0.0044	U	0.0044	0.052	ug/L
33213-65-9	Endosulfan II	0.0077	U	0.0077	0.052	ug/L
72-54-8	4,4-DDD	0.0095	U	0.0095	0.052	ug/L
1031-07-8	Endosulfan Sulfate	0.0036	U	0.0036	0.052	ug/L
50-29-3	4,4-DDT	0.0045	U	0.0045	0.052	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.052	ug/L
53494-70-5	Endrin ketone	0.010	U	0.010	0.052	ug/L
7421-93-4	Endrin aldehyde	0.010	U	0.010	0.052	ug/L
5103-71-9	alpha-Chlordane	0.0062	U	0.0062	0.052	ug/L
5103-74-2	gamma-Chlordane	0.0062	U	0.0062	0.052	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		27 - 142	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		35 - 148	110%	SPK: 20

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	03/12/24
Project:	Walter Gladwin Recreation Center, Bronx, NY	Date Received:	03/13/24
Client Sample ID:	TWP-04	SDG No.:	P1747
Lab Sample ID:	P1747-05	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL088621.D	1	03/14/24 10:51	03/14/24 19:44	PB159588

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

U = Not Detected

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MDL = Method Detection Limit

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284 Sheffield Street, Mountainside, New Jersey - 07092

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LAB CHRONICLE

OrderID:	P1747	OrderDate:	3/13/2024 12:28:00 PM
Client:	LiRo Engineers, Inc.	Project:	Walter Gladwin Recreation Center, Bronx, NY
Contact:	Steve Frank	Location:	I21,I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P1747-01	MW-01	WATER	PCB	8082A	03/12/24	03/14/24	03/14/24	03/13/24
			Pesticide-TCL	8081B		03/14/24	03/14/24	
P1747-02	MW-01-DUP	WATER	PCB	8082A	03/12/24	03/14/24	03/14/24	03/13/24
			Pesticide-TCL	8081B		03/14/24	03/14/24	
P1747-03	MW-01	WATER	PCB	608.3	03/13/24	03/14/24	03/15/24	03/13/24
P1747-04	MW-02	WATER	PCB	8082A	03/12/24	03/14/24	03/14/24	03/13/24
			Pesticide-TCL	8081B		03/14/24	03/14/24	
P1747-05	TWP-04	WATER	PCB	8082A	03/12/24	03/14/24	03/14/24	03/13/24
			Pesticide-TCL	8081B		03/14/24	03/14/24	