

Hit Summary Sheet
SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SS-01-0-1							
Q3310-01	SS-01-0-1	SOIL	Acetone	6.70	J	4.30	22.8	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Methylene Chloride	5.40	J	3.20	9.10	ug/Kg
			Total Voc :	12.1				
			Total Concentration:	12.1				
Client ID:	SS-01-1-2							
Q3310-02	SS-01-1-2	SOIL	Methylene Chloride	4.50	J	3.10	8.80	ug/Kg
Q3310-02	SS-01-1-2	SOIL	m/p-Xylenes	2.10	J	1.10	8.80	ug/Kg
Q3310-02	SS-01-1-2	SOIL	o-Xylene	1.40	J	0.72	4.40	ug/Kg
			Total Voc :	8.00				
			Total Concentration:	8.00				
Client ID:	SS-01-2-3							
Q3310-03	SS-01-2-3	SOIL	Acetone	10.2	J	3.90	20.4	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Methylene Chloride	3.00	J	2.90	8.10	ug/Kg
			Total Voc :	13.2				
			Total Concentration:	13.2				



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:	8260D		% Solid:	65.3	
Sample Wt/Vol:	8.41	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023416.D	1	10/09/25 12:34	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.60	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.60	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.60	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.60	ug/Kg
67-64-1	Acetone	6.70	J	4.30	22.8	ug/Kg
75-15-0	Carbon Disulfide	0.97	U	0.97	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.60	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	5.40	J	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.60	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	4.60	ug/Kg
78-93-3	2-Butanone	6.00	U	6.00	22.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.60	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.60	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.60	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.60	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.8	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.60	ug/Kg

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:	8260D		% Solid:	65.3	
Sample Wt/Vol:	8.41	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023416.D	1	10/09/25 12:34	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.60	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.8	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	4.60	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.60	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.60	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.5		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.4		17 - 146	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	559000	7.713			
540-36-3	1,4-Difluorobenzene	1090000	8.616			
3114-55-4	Chlorobenzene-d5	912000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	233000	13.346			

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:	8260D		% Solid:	65.3	
Sample Wt/Vol:	8.41	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023416.D	1	10/09/25 12:34	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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:	8260D		% Solid:	72.4	
Sample Wt/Vol:	7.82	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023417.D	1	10/09/25 12:57	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.40	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.88	U	0.88	4.40	ug/Kg
67-64-1	Acetone	4.20	U	4.20	22.1	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.64	U	0.64	4.40	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	4.50	J	3.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.76	U	0.76	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	4.40	ug/Kg
110-82-7	Cyclohexane	0.70	U	0.70	4.40	ug/Kg
78-93-3	2-Butanone	5.80	U	5.80	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.82	U	0.82	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.40	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.70	U	0.70	4.40	ug/Kg
79-01-6	Trichloroethene	0.72	U	0.72	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.80	U	0.80	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.1	ug/Kg
108-88-3	Toluene	0.69	U	0.69	4.40	ug/Kg

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:	8260D		% Solid:	72.4	
Sample Wt/Vol:	7.82	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023417.D	1	10/09/25 12:57	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.57	U	0.57	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.81	U	0.81	4.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.1	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	4.40	ug/Kg
108-90-7	Chlorobenzene	0.80	U	0.80	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	4.40	ug/Kg
179601-23-1	m/p-Xylenes	2.10	J	1.10	8.80	ug/Kg
95-47-6	o-Xylene	1.40	J	0.72	4.40	ug/Kg
100-42-5	Styrene	0.63	U	0.63	4.40	ug/Kg
75-25-2	Bromoform	0.76	U	0.76	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.69	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.1		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		17 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	558000	7.713			
540-36-3	1,4-Difluorobenzene	1090000	8.616			
3114-55-4	Chlorobenzene-d5	941000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	284000	13.346			

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:	8260D		% Solid:	72.4
Sample Wt/Vol:	7.82	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023417.D	1	10/09/25 12:57	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 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
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

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:	8260D		% Solid:	75.1	
Sample Wt/Vol:	8.17	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023418.D	1	10/09/25 13:21	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	4.10	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.99	U	0.99	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	10.2	J	3.90	20.4	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	3.00	J	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.94	U	0.94	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.4	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

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:	8260D		% Solid:	75.1	
Sample Wt/Vol:	8.17	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023418.D	1	10/09/25 13:21	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.10	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.67	U	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.99	U	0.99	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	52.0		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		17 - 146	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	579000	7.713			
540-36-3	1,4-Difluorobenzene	1100000	8.616			
3114-55-4	Chlorobenzene-d5	964000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	311000	13.346			

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:	8260D		% Solid:	75.1	
Sample Wt/Vol:	8.17	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023418.D	1	10/09/25 13:21	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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	VOC-TCLVOA-10	8260D	10/07/25		10/09/25	10/08/25
Q3310-02	SS-01-1-2	SOIL	VOC-TCLVOA-10	8260D	10/07/25		10/09/25	10/08/25
Q3310-03	SS-01-2-3	SOIL	VOC-TCLVOA-10	8260D	10/07/25		10/09/25	10/08/25

Hit Summary Sheet SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SS-01-0-1							
Q3310-01	SS-01-0-1	SOIL	Naphthalene	180.000	J	34.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Acenaphthene	220.000	J	32.6	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Dibenzofuran	150.000	J	34.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Fluorene	160.000	J	38.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Phenanthrene	1,800.000		32	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Anthracene	470.000		50.9	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Carbazole	310.000		47.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Fluoranthene	2,200.000		45.9	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Pyrene	1,300.000		55.1	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(a)anthracene	1,000.000		35.2	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Chrysene	850.000		30.4	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(b)fluoranthene	1,200.000		29.1	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(k)fluoranthene	380.000		34.3	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(a)pyrene	800.000		45.1	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Indeno(1,2,3-cd)pyrene	310.000		44.5	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(g,h,i)perylene	360.000		39.3	260	ug/Kg
Total Svoc :				11,690.00				
Q3310-01	SS-01-0-1	SOIL	9H-Fluoren-9-one	*	130.000	J 0	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo[e]pyrene	*	440.000	J 0	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzophenone	*	350.000	J 0	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Dibenzothiophene	*	110.000	J 0	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	n-Hexadecanoic acid	*	980.000	J 0	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Pentadecanoic acid	*	200.000	J 0	0	ug/Kg
Total Tics :				2,210.00				
Total Concentration:				13,900.00				
Client ID :	SS-01-1-2							
Q3310-02	SS-01-1-2	SOIL	Phenanthrene	550.000		28.8	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Anthracene	150.000	J	45.9	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Fluoranthene	750.000		41.3	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Pyrene	470.000		49.6	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(a)anthracene	380.000		31.7	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Chrysene	300.000		27.4	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(b)fluoranthene	390.000		26.2	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(k)fluoranthene	150.000	J	30.9	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(a)pyrene	320.000		40.7	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Indeno(1,2,3-cd)pyrene	140.000	J	40.1	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(g,h,i)perylene	170.000	J	35.4	230	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	3,770.00				
Q3310-02	SS-01-1-2	SOIL	Benzophenone	*	290.000	J 0	0	ug/Kg
Q3310-02	SS-01-1-2	SOIL	n-Hexadecanoic acid	*	920.000	J 0	0	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Octadecanoic acid	*	490.000	J 0	0	ug/Kg
			Total Tics :	1,700.00				
			Total Concentration:	5,470.00				
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	Fluoranthene		150.000	J 39.9	230	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Pyrene		120.000	J 47.9	230	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Chrysene		98.200	J 26.5	230	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Benzo(b)fluoranthene		93.700	J 25.3	230	ug/Kg
			Total Svoc :	461.90				
Q3310-03	SS-01-2-3	SOIL	Benzophenone	*	290.000	J 0	0	ug/Kg
Q3310-03	SS-01-2-3	SOIL	n-Hexadecanoic acid	*	360.000	J 0	0	ug/Kg
			Total Tics :	650.00				
			Total Concentration:	1,111.90				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-0-1
Lab Sample ID: Q3310-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 65.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	240	U	1	240	500	ug/Kg	10/10/25 16:20	PB170055
108-95-2	Phenol	33.8	U	1	33.8	260	ug/Kg	10/10/25 16:20	PB170055
111-44-4	bis(2-Chloroethyl)ether	37.2	U	1	37.2	260	ug/Kg	10/10/25 16:20	PB170055
95-57-8	2-Chlorophenol	37.3	U	1	37.3	260	ug/Kg	10/10/25 16:20	PB170055
95-48-7	2-Methylphenol	45.7	U	1	45.7	260	ug/Kg	10/10/25 16:20	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	57.4	U	1	57.4	260	ug/Kg	10/10/25 16:20	PB170055
98-86-2	Acetophenone	45.1	U	1	45.1	260	ug/Kg	10/10/25 16:20	PB170055
65794-96-9	3+4-Methylphenols	62.9	U	1	62.9	500	ug/Kg	10/10/25 16:20	PB170055
621-64-7	n-Nitroso-di-n-propylamine	72.5	U	1	72.5	120	ug/Kg	10/10/25 16:20	PB170055
67-72-1	Hexachloroethane	26.9	U	1	26.9	260	ug/Kg	10/10/25 16:20	PB170055
98-95-3	Nitrobenzene	28.0	U	1	28.0	260	ug/Kg	10/10/25 16:20	PB170055
78-59-1	Isophorone	50.2	U	1	50.2	260	ug/Kg	10/10/25 16:20	PB170055
88-75-5	2-Nitrophenol	89.0	U	1	89.0	260	ug/Kg	10/10/25 16:20	PB170055
105-67-9	2,4-Dimethylphenol	99.1	U	1	99.1	260	ug/Kg	10/10/25 16:20	PB170055
111-91-1	bis(2-Chloroethoxy)methane	47.1	U	1	47.1	260	ug/Kg	10/10/25 16:20	PB170055
120-83-2	2,4-Dichlorophenol	43.3	U	1	43.3	260	ug/Kg	10/10/25 16:20	PB170055
91-20-3	Naphthalene	180	J	1	34.7	260	ug/Kg	10/10/25 16:20	PB170055
106-47-8	4-Chloroaniline	54.1	U	1	54.1	260	ug/Kg	10/10/25 16:20	PB170055
87-68-3	Hexachlorobutadiene	38.7	U	1	38.7	260	ug/Kg	10/10/25 16:20	PB170055
105-60-2	Caprolactam	79.7	U	1	79.7	500	ug/Kg	10/10/25 16:20	PB170055
59-50-7	4-Chloro-3-methylphenol	43.9	U	1	43.9	260	ug/Kg	10/10/25 16:20	PB170055
91-57-6	2-Methylnaphthalene	39.2	U	1	39.2	260	ug/Kg	10/10/25 16:20	PB170055
77-47-4	Hexachlorocyclopentadiene	180	U	1	180	500	ug/Kg	10/10/25 16:20	PB170055
88-06-2	2,4,6-Trichlorophenol	30.3	U	1	30.3	260	ug/Kg	10/10/25 16:20	PB170055
95-95-4	2,4,5-Trichlorophenol	44.5	U	1	44.5	260	ug/Kg	10/10/25 16:20	PB170055
92-52-4	1,1-Biphenyl	33.3	U	1	33.3	260	ug/Kg	10/10/25 16:20	PB170055
91-58-7	2-Chloronaphthalene	34.4	U	1	34.4	260	ug/Kg	10/10/25 16:20	PB170055
88-74-4	2-Nitroaniline	73.6	U	1	73.6	260	ug/Kg	10/10/25 16:20	PB170055
131-11-3	Dimethylphthalate	41.4	U	1	41.4	260	ug/Kg	10/10/25 16:20	PB170055
208-96-8	Acenaphthylene	44.2	U	1	44.2	260	ug/Kg	10/10/25 16:20	PB170055
606-20-2	2,6-Dinitrotoluene	51.4	U	1	51.4	260	ug/Kg	10/10/25 16:20	PB170055
99-09-2	3-Nitroaniline	70.4	U	1	70.4	260	ug/Kg	10/10/25 16:20	PB170055
83-32-9	Acenaphthene	220	J	1	32.6	260	ug/Kg	10/10/25 16:20	PB170055
51-28-5	2,4-Dinitrophenol	350	U	1	350	500	ug/Kg	10/10/25 16:20	PB170055
100-02-7	4-Nitrophenol	160	U	1	160	500	ug/Kg	10/10/25 16:20	PB170055
132-64-9	Dibenzofuran	150	J	1	34.7	260	ug/Kg	10/10/25 16:20	PB170055
121-14-2	2,4-Dinitrotoluene	76.6	U	1	76.6	260	ug/Kg	10/10/25 16:20	PB170055
84-66-2	Diethylphthalate	43.3	U	1	43.3	260	ug/Kg	10/10/25 16:20	PB170055
7005-72-3	4-Chlorophenyl-phenylether	40.8	U	1	40.8	260	ug/Kg	10/10/25 16:20	PB170055
86-73-7	Fluorene	160	J	1	38.7	260	ug/Kg	10/10/25 16:20	PB170055
100-01-6	4-Nitroaniline	98.2	U	1	98.2	260	ug/Kg	10/10/25 16:20	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	160	U	1	160	500	ug/Kg	10/10/25 16:20	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-0-1
Lab Sample ID: Q3310-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 65.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	50.3	U	1	50.3	260	ug/Kg	10/10/25 16:20	PB170055
101-55-3	4-Bromophenyl-phenylether	42.5	U	1	42.5	260	ug/Kg	10/10/25 16:20	PB170055
118-74-1	Hexachlorobenzene	38.7	U	1	38.7	260	ug/Kg	10/10/25 16:20	PB170055
1912-24-9	Atrazine	52.0	U	1	52.0	260	ug/Kg	10/10/25 16:20	PB170055
87-86-5	Pentachlorophenol	78.5	U	1	78.5	500	ug/Kg	10/10/25 16:20	PB170055
85-01-8	Phenanthrene	1800		1	32.0	260	ug/Kg	10/10/25 16:20	PB170055
120-12-7	Anthracene	470		1	50.9	260	ug/Kg	10/10/25 16:20	PB170055
86-74-8	Carbazole	310		1	47.7	260	ug/Kg	10/10/25 16:20	PB170055
84-74-2	Di-n-butylphthalate	73.3	U	1	73.3	260	ug/Kg	10/10/25 16:20	PB170055
206-44-0	Fluoranthene	2200		1	45.9	260	ug/Kg	10/10/25 16:20	PB170055
129-00-0	Pyrene	1300		1	55.1	260	ug/Kg	10/10/25 16:20	PB170055
85-68-7	Butylbenzylphthalate	110	U	1	110	260	ug/Kg	10/10/25 16:20	PB170055
91-94-1	3,3-Dichlorobenzidine	56.1	U	1	56.1	500	ug/Kg	10/10/25 16:20	PB170055
56-55-3	Benzo(a)anthracene	1000		1	35.2	260	ug/Kg	10/10/25 16:20	PB170055
218-01-9	Chrysene	850		1	30.4	260	ug/Kg	10/10/25 16:20	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	90.5	U	1	90.5	260	ug/Kg	10/10/25 16:20	PB170055
117-84-0	Di-n-octyl phthalate	130	U	1	130	500	ug/Kg	10/10/25 16:20	PB170055
205-99-2	Benzo(b)fluoranthene	1200		1	29.1	260	ug/Kg	10/10/25 16:20	PB170055
207-08-9	Benzo(k)fluoranthene	380		1	34.3	260	ug/Kg	10/10/25 16:20	PB170055
50-32-8	Benzo(a)pyrene	800		1	45.1	260	ug/Kg	10/10/25 16:20	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	310		1	44.5	260	ug/Kg	10/10/25 16:20	PB170055
53-70-3	Dibenzo(a,h)anthracene	41.9	U	1	41.9	260	ug/Kg	10/10/25 16:20	PB170055
191-24-2	Benzo(g,h,i)perylene	360		1	39.3	260	ug/Kg	10/10/25 16:20	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	39.2	U	1	39.2	260	ug/Kg	10/10/25 16:20	PB170055
123-91-1	1,4-Dioxane	69.1	U	1	69.1	260	ug/Kg	10/10/25 16:20	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	41.9	U	1	41.9	260	ug/Kg	10/10/25 16:20	PB170055

SURROGATES

367-12-4	2-Fluorophenol	81.7			18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	79.8			15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.0			18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.9			20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.8			10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	34.7			10 - 105	35%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1	118000
1146-65-2	440000
15067-26-2	216000
1517-22-2	321000
1719-03-5	271000
1520-96-3	261000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	350	J		10.6	ug/Kg
000486-25-9	9H-Fluoren-9-one	130	J		11.2	ug/Kg

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:	8270E	% Solid:	65.3
Sample Wt/Vol:	30.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000132-65-0	Dibenzothiophene	110	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	980	J			11.9	ug/Kg		
001002-84-2	Pentadecanoic acid	200	J			12.7	ug/Kg		
000192-97-2	Benzo[e]pyrene	440	J			15.4	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-1-2
Lab Sample ID: Q3310-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 72.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	210	U	1	210	450	ug/Kg	10/10/25 14:26	PB170055
108-95-2	Phenol	30.5	U	1	30.5	230	ug/Kg	10/10/25 14:26	PB170055
111-44-4	bis(2-Chloroethyl)ether	33.5	U	1	33.5	230	ug/Kg	10/10/25 14:26	PB170055
95-57-8	2-Chlorophenol	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:26	PB170055
95-48-7	2-Methylphenol	41.2	U	1	41.2	230	ug/Kg	10/10/25 14:26	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	51.7	U	1	51.7	230	ug/Kg	10/10/25 14:26	PB170055
98-86-2	Acetophenone	40.7	U	1	40.7	230	ug/Kg	10/10/25 14:26	PB170055
65794-96-9	3+4-Methylphenols	56.6	U	1	56.6	450	ug/Kg	10/10/25 14:26	PB170055
621-64-7	n-Nitroso-di-n-propylamine	65.3	U	1	65.3	110	ug/Kg	10/10/25 14:26	PB170055
67-72-1	Hexachloroethane	24.3	U	1	24.3	230	ug/Kg	10/10/25 14:26	PB170055
98-95-3	Nitrobenzene	25.2	U	1	25.2	230	ug/Kg	10/10/25 14:26	PB170055
78-59-1	Isophorone	45.2	U	1	45.2	230	ug/Kg	10/10/25 14:26	PB170055
88-75-5	2-Nitrophenol	80.2	U	1	80.2	230	ug/Kg	10/10/25 14:26	PB170055
105-67-9	2,4-Dimethylphenol	89.3	U	1	89.3	230	ug/Kg	10/10/25 14:26	PB170055
111-91-1	bis(2-Chloroethoxy)methane	42.4	U	1	42.4	230	ug/Kg	10/10/25 14:26	PB170055
120-83-2	2,4-Dichlorophenol	39.0	U	1	39.0	230	ug/Kg	10/10/25 14:26	PB170055
91-20-3	Naphthalene	31.3	U	1	31.3	230	ug/Kg	10/10/25 14:26	PB170055
106-47-8	4-Chloroaniline	48.8	U	1	48.8	230	ug/Kg	10/10/25 14:26	PB170055
87-68-3	Hexachlorobutadiene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
105-60-2	Caprolactam	71.8	U	1	71.8	450	ug/Kg	10/10/25 14:26	PB170055
59-50-7	4-Chloro-3-methylphenol	39.5	U	1	39.5	230	ug/Kg	10/10/25 14:26	PB170055
91-57-6	2-Methylnaphthalene	35.3	U	1	35.3	230	ug/Kg	10/10/25 14:26	PB170055
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	450	ug/Kg	10/10/25 14:26	PB170055
88-06-2	2,4,6-Trichlorophenol	27.3	U	1	27.3	230	ug/Kg	10/10/25 14:26	PB170055
95-95-4	2,4,5-Trichlorophenol	40.1	U	1	40.1	230	ug/Kg	10/10/25 14:26	PB170055
92-52-4	1,1-Biphenyl	30.0	U	1	30.0	230	ug/Kg	10/10/25 14:26	PB170055
91-58-7	2-Chloronaphthalene	31.0	U	1	31.0	230	ug/Kg	10/10/25 14:26	PB170055
88-74-4	2-Nitroaniline	66.3	U	1	66.3	230	ug/Kg	10/10/25 14:26	PB170055
131-11-3	Dimethylphthalate	37.3	U	1	37.3	230	ug/Kg	10/10/25 14:26	PB170055
208-96-8	Acenaphthylene	39.8	U	1	39.8	230	ug/Kg	10/10/25 14:26	PB170055
606-20-2	2,6-Dinitrotoluene	46.3	U	1	46.3	230	ug/Kg	10/10/25 14:26	PB170055
99-09-2	3-Nitroaniline	63.4	U	1	63.4	230	ug/Kg	10/10/25 14:26	PB170055
83-32-9	Acenaphthene	29.4	U	1	29.4	230	ug/Kg	10/10/25 14:26	PB170055
51-28-5	2,4-Dinitrophenol	320	U	1	320	450	ug/Kg	10/10/25 14:26	PB170055
100-02-7	4-Nitrophenol	150	U	1	150	450	ug/Kg	10/10/25 14:26	PB170055
132-64-9	Dibenzofuran	31.3	U	1	31.3	230	ug/Kg	10/10/25 14:26	PB170055
121-14-2	2,4-Dinitrotoluene	69.0	U	1	69.0	230	ug/Kg	10/10/25 14:26	PB170055
84-66-2	Diethylphthalate	39.0	U	1	39.0	230	ug/Kg	10/10/25 14:26	PB170055
7005-72-3	4-Chlorophenyl-phenylether	36.8	U	1	36.8	230	ug/Kg	10/10/25 14:26	PB170055
86-73-7	Fluorene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
100-01-6	4-Nitroaniline	88.5	U	1	88.5	230	ug/Kg	10/10/25 14:26	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	450	ug/Kg	10/10/25 14:26	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-1-2
Lab Sample ID: Q3310-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 72.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.3	U	1	45.3	230	ug/Kg	10/10/25 14:26	PB170055
101-55-3	4-Bromophenyl-phenylether	38.3	U	1	38.3	230	ug/Kg	10/10/25 14:26	PB170055
118-74-1	Hexachlorobenzene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
1912-24-9	Atrazine	46.9	U	1	46.9	230	ug/Kg	10/10/25 14:26	PB170055
87-86-5	Pentachlorophenol	70.7	U	1	70.7	450	ug/Kg	10/10/25 14:26	PB170055
85-01-8	Phenanthrene	550		1	28.8	230	ug/Kg	10/10/25 14:26	PB170055
120-12-7	Anthracene	150	J	1	45.9	230	ug/Kg	10/10/25 14:26	PB170055
86-74-8	Carbazole	43.0	U	1	43.0	230	ug/Kg	10/10/25 14:26	PB170055
84-74-2	Di-n-butylphthalate	66.0	U	1	66.0	230	ug/Kg	10/10/25 14:26	PB170055
206-44-0	Fluoranthene	750		1	41.3	230	ug/Kg	10/10/25 14:26	PB170055
129-00-0	Pyrene	470		1	49.6	230	ug/Kg	10/10/25 14:26	PB170055
85-68-7	Butylbenzylphthalate	98.4	U	1	98.4	230	ug/Kg	10/10/25 14:26	PB170055
91-94-1	3,3-Dichlorobenzidine	50.6	U	1	50.6	450	ug/Kg	10/10/25 14:26	PB170055
56-55-3	Benzo(a)anthracene	380		1	31.7	230	ug/Kg	10/10/25 14:26	PB170055
218-01-9	Chrysene	300		1	27.4	230	ug/Kg	10/10/25 14:26	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	81.6	U	1	81.6	230	ug/Kg	10/10/25 14:26	PB170055
117-84-0	Di-n-octyl phthalate	120	U	1	120	450	ug/Kg	10/10/25 14:26	PB170055
205-99-2	Benzo(b)fluoranthene	390		1	26.2	230	ug/Kg	10/10/25 14:26	PB170055
207-08-9	Benzo(k)fluoranthene	150	J	1	30.9	230	ug/Kg	10/10/25 14:26	PB170055
50-32-8	Benzo(a)pyrene	320		1	40.7	230	ug/Kg	10/10/25 14:26	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	40.1	230	ug/Kg	10/10/25 14:26	PB170055
53-70-3	Dibenzo(a,h)anthracene	37.8	U	1	37.8	230	ug/Kg	10/10/25 14:26	PB170055
191-24-2	Benzo(g,h,i)perylene	170	J	1	35.4	230	ug/Kg	10/10/25 14:26	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	35.3	U	1	35.3	230	ug/Kg	10/10/25 14:26	PB170055
123-91-1	1,4-Dioxane	62.3	U	1	62.3	230	ug/Kg	10/10/25 14:26	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	37.8	U	1	37.8	230	ug/Kg	10/10/25 14:26	PB170055

SURROGATES

367-12-4	2-Fluorophenol	78.4		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.7		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.3		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.3		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.9		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	37.7		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	111000
1146-65-2	Naphthalene-d8	410000
15067-26-2	Acenaphthene-d10	210000
1517-22-2	Phenanthrene-d10	320000
1719-03-5	Chrysene-d12	259000
1520-96-3	Perylene-d12	302000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J	11.9	ug/Kg

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:	8270E	% Solid:	72.4
Sample Wt/Vol:	30.07 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	490	J			12.7	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-2-3
Lab Sample ID: Q3310-03
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 75.1
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	210	U	1	210	440	ug/Kg	10/10/25 14:54	PB170055
108-95-2	Phenol	29.4	U	1	29.4	230	ug/Kg	10/10/25 14:54	PB170055
111-44-4	bis(2-Chloroethyl)ether	32.3	U	1	32.3	230	ug/Kg	10/10/25 14:54	PB170055
95-57-8	2-Chlorophenol	32.4	U	1	32.4	230	ug/Kg	10/10/25 14:54	PB170055
95-48-7	2-Methylphenol	39.7	U	1	39.7	230	ug/Kg	10/10/25 14:54	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	49.9	U	1	49.9	230	ug/Kg	10/10/25 14:54	PB170055
98-86-2	Acetophenone	39.2	U	1	39.2	230	ug/Kg	10/10/25 14:54	PB170055
65794-96-9	3+4-Methylphenols	54.6	U	1	54.6	440	ug/Kg	10/10/25 14:54	PB170055
621-64-7	n-Nitroso-di-n-propylamine	63.0	U	1	63.0	110	ug/Kg	10/10/25 14:54	PB170055
67-72-1	Hexachloroethane	23.4	U	1	23.4	230	ug/Kg	10/10/25 14:54	PB170055
98-95-3	Nitrobenzene	24.3	U	1	24.3	230	ug/Kg	10/10/25 14:54	PB170055
78-59-1	Isophorone	43.6	U	1	43.6	230	ug/Kg	10/10/25 14:54	PB170055
88-75-5	2-Nitrophenol	77.4	U	1	77.4	230	ug/Kg	10/10/25 14:54	PB170055
105-67-9	2,4-Dimethylphenol	86.1	U	1	86.1	230	ug/Kg	10/10/25 14:54	PB170055
111-91-1	bis(2-Chloroethoxy)methane	40.9	U	1	40.9	230	ug/Kg	10/10/25 14:54	PB170055
120-83-2	2,4-Dichlorophenol	37.6	U	1	37.6	230	ug/Kg	10/10/25 14:54	PB170055
91-20-3	Naphthalene	30.2	U	1	30.2	230	ug/Kg	10/10/25 14:54	PB170055
106-47-8	4-Chloroaniline	47.1	U	1	47.1	230	ug/Kg	10/10/25 14:54	PB170055
87-68-3	Hexachlorobutadiene	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:54	PB170055
105-60-2	Caprolactam	69.3	U	1	69.3	440	ug/Kg	10/10/25 14:54	PB170055
59-50-7	4-Chloro-3-methylphenol	38.2	U	1	38.2	230	ug/Kg	10/10/25 14:54	PB170055
91-57-6	2-Methylnaphthalene	34.0	U	1	34.0	230	ug/Kg	10/10/25 14:54	PB170055
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	440	ug/Kg	10/10/25 14:54	PB170055
88-06-2	2,4,6-Trichlorophenol	26.3	U	1	26.3	230	ug/Kg	10/10/25 14:54	PB170055
95-95-4	2,4,5-Trichlorophenol	38.7	U	1	38.7	230	ug/Kg	10/10/25 14:54	PB170055
92-52-4	1,1-Biphenyl	29.0	U	1	29.0	230	ug/Kg	10/10/25 14:54	PB170055
91-58-7	2-Chloronaphthalene	29.9	U	1	29.9	230	ug/Kg	10/10/25 14:54	PB170055
88-74-4	2-Nitroaniline	63.9	U	1	63.9	230	ug/Kg	10/10/25 14:54	PB170055
131-11-3	Dimethylphthalate	36.0	U	1	36.0	230	ug/Kg	10/10/25 14:54	PB170055
208-96-8	Acenaphthylene	38.4	U	1	38.4	230	ug/Kg	10/10/25 14:54	PB170055
606-20-2	2,6-Dinitrotoluene	44.7	U	1	44.7	230	ug/Kg	10/10/25 14:54	PB170055
99-09-2	3-Nitroaniline	61.1	U	1	61.1	230	ug/Kg	10/10/25 14:54	PB170055
83-32-9	Acenaphthene	28.3	U	1	28.3	230	ug/Kg	10/10/25 14:54	PB170055
51-28-5	2,4-Dinitrophenol	300	U	1	300	440	ug/Kg	10/10/25 14:54	PB170055
100-02-7	4-Nitrophenol	140	U	1	140	440	ug/Kg	10/10/25 14:54	PB170055
132-64-9	Dibenzofuran	30.2	U	1	30.2	230	ug/Kg	10/10/25 14:54	PB170055
121-14-2	2,4-Dinitrotoluene	66.6	U	1	66.6	230	ug/Kg	10/10/25 14:54	PB170055
84-66-2	Diethylphthalate	37.6	U	1	37.6	230	ug/Kg	10/10/25 14:54	PB170055
7005-72-3	4-Chlorophenyl-phenylether	35.5	U	1	35.5	230	ug/Kg	10/10/25 14:54	PB170055
86-73-7	Fluorene	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:54	PB170055
100-01-6	4-Nitroaniline	85.3	U	1	85.3	230	ug/Kg	10/10/25 14:54	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	440	ug/Kg	10/10/25 14:54	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-2-3
Lab Sample ID: Q3310-03
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 75.1
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.7	U	1	43.7	230	ug/Kg	10/10/25 14:54	PB170055
101-55-3	4-Bromophenyl-phenylether	37.0	U	1	37.0	230	ug/Kg	10/10/25 14:54	PB170055
118-74-1	Hexachlorobenzene	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:54	PB170055
1912-24-9	Atrazine	45.2	U	1	45.2	230	ug/Kg	10/10/25 14:54	PB170055
87-86-5	Pentachlorophenol	68.2	U	1	68.2	440	ug/Kg	10/10/25 14:54	PB170055
85-01-8	Phenanthrene	27.8	U	1	27.8	230	ug/Kg	10/10/25 14:54	PB170055
120-12-7	Anthracene	44.3	U	1	44.3	230	ug/Kg	10/10/25 14:54	PB170055
86-74-8	Carbazole	41.5	U	1	41.5	230	ug/Kg	10/10/25 14:54	PB170055
84-74-2	Di-n-butylphthalate	63.7	U	1	63.7	230	ug/Kg	10/10/25 14:54	PB170055
206-44-0	Fluoranthene	150	J	1	39.9	230	ug/Kg	10/10/25 14:54	PB170055
129-00-0	Pyrene	120	J	1	47.9	230	ug/Kg	10/10/25 14:54	PB170055
85-68-7	Butylbenzylphthalate	94.9	U	1	94.9	230	ug/Kg	10/10/25 14:54	PB170055
91-94-1	3,3-Dichlorobenzidine	48.8	U	1	48.8	440	ug/Kg	10/10/25 14:54	PB170055
56-55-3	Benzo(a)anthracene	30.6	U	1	30.6	230	ug/Kg	10/10/25 14:54	PB170055
218-01-9	Chrysene	98.2	J	1	26.5	230	ug/Kg	10/10/25 14:54	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	78.7	U	1	78.7	230	ug/Kg	10/10/25 14:54	PB170055
117-84-0	Di-n-octyl phthalate	120	U	1	120	440	ug/Kg	10/10/25 14:54	PB170055
205-99-2	Benzo(b)fluoranthene	93.7	J	1	25.3	230	ug/Kg	10/10/25 14:54	PB170055
207-08-9	Benzo(k)fluoranthene	29.8	U	1	29.8	230	ug/Kg	10/10/25 14:54	PB170055
50-32-8	Benzo(a)pyrene	39.2	U	1	39.2	230	ug/Kg	10/10/25 14:54	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	38.7	U	1	38.7	230	ug/Kg	10/10/25 14:54	PB170055
53-70-3	Dibenzo(a,h)anthracene	36.4	U	1	36.4	230	ug/Kg	10/10/25 14:54	PB170055
191-24-2	Benzo(g,h,i)perylene	34.2	U	1	34.2	230	ug/Kg	10/10/25 14:54	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	34.0	U	1	34.0	230	ug/Kg	10/10/25 14:54	PB170055
123-91-1	1,4-Dioxane	60.1	U	1	60.1	230	ug/Kg	10/10/25 14:54	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	36.4	U	1	36.4	230	ug/Kg	10/10/25 14:54	PB170055

SURROGATES

367-12-4	2-Fluorophenol	78.0		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	74.7		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.1		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.4		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.0		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	38.9		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	114000
1146-65-2	Naphthalene-d8	429000
15067-26-2	Acenaphthene-d10	224000
1517-22-2	Phenanthrene-d10	349000
1719-03-5	Chrysene-d12	243000
1520-96-3	Perylene-d12	304000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J	11.9	ug/Kg

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:	8270E	% Solid:	75.1
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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	SVOC-TCL BNA -20	8270E	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-02	SS-01-1-2	SOIL	SVOC-TCL BNA -20	8270E	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-03	SS-01-2-3	SOIL	SVOC-TCL BNA -20	8270E	10/07/25	10/10/25	10/10/25	10/08/25

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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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-01-2-3		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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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

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

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	Aroclor-1260	69.9		4.90	26.0	ug/kg
			Total Concentration:	69.900				
Client ID : SS-01-1-2								
Q3310-02	SS-01-1-2	SOIL	Aroclor-1260	75.8	P	4.40	23.4	ug/kg
			Total Concentration:	75.800				
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	Aroclor-1260	24.5	P	4.30	22.6	ug/kg
			Total Concentration:	24.500				



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:	8082A		% Solid:	65.3
Sample Wt/Vol:	30.09 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/10/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	6.00	U	1	6.00	26.0	ug/kg	10/10/25 13:31	PB170053
11104-28-2	Aroclor-1221	6.20	U	1	6.20	26.0	ug/kg	10/10/25 13:31	PB170053
11141-16-5	Aroclor-1232	5.70	U	1	5.70	26.0	ug/kg	10/10/25 13:31	PB170053
53469-21-9	Aroclor-1242	6.10	U	1	6.10	26.0	ug/kg	10/10/25 13:31	PB170053
12672-29-6	Aroclor-1248	9.00	U	1	9.00	26.0	ug/kg	10/10/25 13:31	PB170053
11097-69-1	Aroclor-1254	4.90	U	1	4.90	26.0	ug/kg	10/10/25 13:31	PB170053
37324-23-5	Aroclor-1262	7.70	U	1	7.70	26.0	ug/kg	10/10/25 13:31	PB170053
11100-14-4	Aroclor-1268	5.50	U	1	5.50	26.0	ug/kg	10/10/25 13:31	PB170053
11096-82-5	Aroclor-1260	69.9		1	4.90	26.0	ug/kg	10/10/25 13:31	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.9			32 - 144	105%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.1			32 - 175	76%	SPK: 20		

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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:	8082A		% Solid:	72.4
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/10/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.40	U	1	5.40	23.4	ug/kg	10/10/25 13:47	PB170053
11104-28-2	Aroclor-1221	5.60	U	1	5.60	23.4	ug/kg	10/10/25 13:47	PB170053
11141-16-5	Aroclor-1232	5.10	U	1	5.10	23.4	ug/kg	10/10/25 13:47	PB170053
53469-21-9	Aroclor-1242	5.50	U	1	5.50	23.4	ug/kg	10/10/25 13:47	PB170053
12672-29-6	Aroclor-1248	8.20	U	1	8.20	23.4	ug/kg	10/10/25 13:47	PB170053
11097-69-1	Aroclor-1254	4.40	U	1	4.40	23.4	ug/kg	10/10/25 13:47	PB170053
37324-23-5	Aroclor-1262	6.90	U	1	6.90	23.4	ug/kg	10/10/25 13:47	PB170053
11100-14-4	Aroclor-1268	5.00	U	1	5.00	23.4	ug/kg	10/10/25 13:47	PB170053
11096-82-5	Aroclor-1260	75.8	P	1	4.40	23.4	ug/kg	10/10/25 13:47	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.0			32 - 144	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.8			32 - 175	79%	SPK: 20		

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-01-2-3		SDG No.:	Q3310
Lab Sample ID:	Q3310-03		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	75.1
Sample Wt/Vol:	30.07 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.20	U	1	5.20	22.6	ug/kg	10/10/25 14:36	PB170053
11104-28-2	Aroclor-1221	5.40	U	1	5.40	22.6	ug/kg	10/10/25 14:36	PB170053
11141-16-5	Aroclor-1232	4.90	U	1	4.90	22.6	ug/kg	10/10/25 14:36	PB170053
53469-21-9	Aroclor-1242	5.30	U	1	5.30	22.6	ug/kg	10/10/25 14:36	PB170053
12672-29-6	Aroclor-1248	7.90	U	1	7.90	22.6	ug/kg	10/10/25 14:36	PB170053
11097-69-1	Aroclor-1254	4.30	U	1	4.30	22.6	ug/kg	10/10/25 14:36	PB170053
37324-23-5	Aroclor-1262	6.70	U	1	6.70	22.6	ug/kg	10/10/25 14:36	PB170053
11100-14-4	Aroclor-1268	4.80	U	1	4.80	22.6	ug/kg	10/10/25 14:36	PB170053
11096-82-5	Aroclor-1260	24.5	P	1	4.30	22.6	ug/kg	10/10/25 14:36	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.9			32 - 144	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.9			32 - 175	74%	SPK: 20		

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

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			10/07/25			10/08/25
			PCB	8082A		10/10/25	10/10/25	
Q3310-02	SS-01-1-2	SOIL			10/07/25			10/08/25
			PCB	8082A		10/10/25	10/10/25	
			Pesticide-TCL	8081B		10/10/25	10/10/25	
Q3310-03	SS-01-2-3	SOIL			10/07/25			10/08/25
			PCB	8082A		10/10/25	10/10/25	
			Pesticide-TCL	8081B		10/10/25	10/10/25	

Hit Summary Sheet SW-846

SDG No.: Q3310 **Order ID:** Q3310
Client: Langan Engineering and Environmental Services, Inc **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	Aluminum	6470		1.23	7.29	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Arsenic	27.1		0.28	1.46	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Barium	230		1.06	7.29	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Beryllium	0.85		0.036	0.44	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Cadmium	1.08		0.035	0.44	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Calcium	6340		16.2	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Chromium	51.4		0.069	0.73	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Cobalt	12.0		0.15	2.19	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Copper	108		0.32	1.46	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Iron	40000		5.82	7.29	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Lead	137		0.19	0.88	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Magnesium	8430		17.5	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Manganese	1140		0.20	1.46	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Mercury	3.05	D	0.10	0.18	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Nickel	147		0.19	2.92	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Potassium	1010		40.4	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Silver	1.15		0.18	0.73	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Sodium	3200		26.0	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Vanadium	483		0.37	2.92	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Zinc	392		0.34	2.92	mg/Kg
Client ID : SS-01-1-2								
Q3310-02	SS-01-1-2	SOIL	Aluminum	7490		0.99	5.90	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Arsenic	29.0		0.22	1.18	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Barium	205		0.86	5.90	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Beryllium	0.75		0.030	0.35	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Cadmium	0.77		0.028	0.35	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Calcium	6450		13.1	118	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Chromium	44.7		0.055	0.59	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Cobalt	13.8		0.12	1.77	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Copper	233		0.26	1.18	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Iron	22300		4.71	5.90	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Lead	221		0.15	0.71	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Magnesium	11700		14.2	118	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Manganese	578		0.17	1.18	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Mercury	2.26	D	0.051	0.091	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Nickel	279		0.15	2.36	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Potassium	1090		32.7	118	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3310 **Order ID:** Q3310
Client: Langan Engineering and Environmental Services, Inc **Project ID:** Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3310-02	SS-01-1-2	SOIL	Silver	0.54	J	0.14	0.59	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Sodium	3240		21.0	118	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Vanadium	644		0.30	2.36	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Zinc	573		0.27	2.36	mg/Kg
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	Aluminum	5350		0.93	5.53	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Antimony	5.27		0.24	2.76	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Arsenic	182		0.21	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Barium	116		0.81	5.53	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Beryllium	1.14		0.028	0.33	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Cadmium	1.18		0.027	0.33	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Calcium	3460		12.3	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Chromium	31.5		0.052	0.55	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Cobalt	9.34		0.11	1.66	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Copper	594		0.24	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Iron	54000		4.41	5.53	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Lead	657		0.14	0.66	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Magnesium	4340		13.3	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Manganese	1050		0.16	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Mercury	1.95	D	0.045	0.080	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Nickel	74.0		0.14	2.21	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Potassium	1210		30.6	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Silver	2.19	D	0.27	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Sodium	1540		19.7	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Vanadium	204		0.28	2.21	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Zinc	332		0.25	2.21	mg/Kg



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
Level (low/med):	low	% Solid:	65.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6470		1	1.23	7.29	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-36-0	Antimony	0.32	UN	1	0.32	3.65	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-38-2	Arsenic	27.1		1	0.28	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-39-3	Barium	230		1	1.06	7.29	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-41-7	Beryllium	0.85		1	0.036	0.44	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-43-9	Cadmium	1.08		1	0.035	0.44	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-70-2	Calcium	6340		1	16.2	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-47-3	Chromium	51.4		1	0.069	0.73	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-48-4	Cobalt	12.0		1	0.15	2.19	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-50-8	Copper	108	N	1	0.32	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-89-6	Iron	40000		1	5.82	7.29	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-92-1	Lead	137		1	0.19	0.88	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-95-4	Magnesium	8430		1	17.5	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-96-5	Manganese	1140		1	0.20	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-97-6	Mercury	3.05	DN	10	0.10	0.18	mg/Kg	10/09/25 11:40	10/09/25 15:29	7471B	
7440-02-0	Nickel	147		1	0.19	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-09-7	Potassium	1010	N	1	40.4	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7782-49-2	Selenium	0.38	U	1	0.38	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-22-4	Silver	1.15		1	0.18	0.73	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-23-5	Sodium	3200	N	1	26.0	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-28-0	Thallium	0.34	U	1	0.34	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-62-2	Vanadium	483		1	0.37	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-66-6	Zinc	392		1	0.34	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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
Level (low/med):	low	% Solid:	72.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7490		1	0.99	5.90	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.95	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-38-2	Arsenic	29.0		1	0.22	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-39-3	Barium	205		1	0.86	5.90	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-41-7	Beryllium	0.75		1	0.030	0.35	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-43-9	Cadmium	0.77		1	0.028	0.35	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-70-2	Calcium	6450		1	13.1	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-47-3	Chromium	44.7		1	0.055	0.59	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-48-4	Cobalt	13.8		1	0.12	1.77	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-50-8	Copper	233	N	1	0.26	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-89-6	Iron	22300		1	4.71	5.90	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-92-1	Lead	221		1	0.15	0.71	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-95-4	Magnesium	11700		1	14.2	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-96-5	Manganese	578		1	0.17	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-97-6	Mercury	2.26	DN	5	0.051	0.091	mg/Kg	10/09/25 11:40	10/09/25 15:35	7471B	
7440-02-0	Nickel	279		1	0.15	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-09-7	Potassium	1090	N	1	32.7	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-22-4	Silver	0.54	J	1	0.14	0.59	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-23-5	Sodium	3240	N	1	21.0	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-62-2	Vanadium	644		1	0.30	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-66-6	Zinc	573		1	0.27	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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D = Dilution

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J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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
Level (low/med):	low	% Solid:	75.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5350		1	0.93	5.53	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-36-0	Antimony	5.27	N	1	0.24	2.76	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-38-2	Arsenic	182		1	0.21	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-39-3	Barium	116		1	0.81	5.53	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-41-7	Beryllium	1.14		1	0.028	0.33	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-43-9	Cadmium	1.18		1	0.027	0.33	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-70-2	Calcium	3460		1	12.3	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-47-3	Chromium	31.5		1	0.052	0.55	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-48-4	Cobalt	9.34		1	0.11	1.66	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-50-8	Copper	594	N	1	0.24	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-89-6	Iron	54000		1	4.41	5.53	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-92-1	Lead	657		1	0.14	0.66	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-95-4	Magnesium	4340		1	13.3	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-96-5	Manganese	1050		1	0.16	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-97-6	Mercury	1.95	DN	5	0.045	0.080	mg/Kg	10/09/25 11:40	10/09/25 15:37	7471B	
7440-02-0	Nickel	74.0		1	0.14	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-09-7	Potassium	1210	N	1	30.6	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-22-4	Silver	2.19	D	2	0.27	1.11	mg/Kg	10/10/25 10:10	10/10/25 16:57	6010D	SW3050
7440-23-5	Sodium	1540	N	1	19.7	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-62-2	Vanadium	204		1	0.28	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-66-6	Zinc	332		1	0.25	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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			10/07/25			10/08/25
			Mercury	7471B		10/09/25	10/09/25	
			Metals ICP-TAL	6010D		10/10/25	10/10/25	
Q3310-02	SS-01-1-2	SOIL			10/07/25			10/08/25
			Mercury	7471B		10/09/25	10/09/25	
			Metals ICP-TAL	6010D		10/10/25	10/10/25	
Q3310-03	SS-01-2-3	SOIL			10/07/25			10/08/25
			Mercury	7471B		10/09/25	10/09/25	
			Metals ICP-TAL	6010D		10/10/25	10/10/25	