

Hit Summary Sheet SW-846

SDG No.: Q3323
Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SED-01-0-2							
Q3323-01	SED-01-0-2	SOIL	Acetone	17.2	J	5.40	28.6	ug/Kg
Q3323-01	SED-01-0-2	SOIL	Carbon Disulfide	4.60	J	1.20	5.70	ug/Kg
Q3323-01	SED-01-0-2	SOIL	Methylene Chloride	5.40	J	4.00	11.4	ug/Kg
			Total Voc :	27.2				
Q3323-01	SED-01-0-2	SOIL	Naphthalene, decahydro-2-metl *	16.0	J	0	0	ug/Kg
Q3323-01	SED-01-0-2	SOIL	Cyclohexane, 2-butyl-1,1,3-trin *	21.0	J	0	0	ug/Kg
			Total Tics :	37.0				
			Total Concentration:	64.2				
Client ID:	SED-02-0-2							
Q3323-02	SED-02-0-2	SOIL	Acetone	34.3	J	12.0	63.0	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Carbon Disulfide	4.20	J	2.70	12.6	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Methylene Chloride	9.70	J	8.90	25.2	ug/Kg
			Total Voc :	48.2				
Q3323-02	SED-02-0-2	SOIL	Naphthalene, decahydro-2-metl *	13.4	J	0	0	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Cyclohexane, 2-butyl-1,1,3-trin *	14.0	J	0	0	ug/Kg
			Total Tics :	27.4				
			Total Concentration:	75.6				
Client ID:	SED-03-0-2							
Q3323-03	SED-03-0-2	SOIL	Acetone	16.4	J	3.80	20.0	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Carbon Disulfide	3.00	J	0.85	4.00	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Methylene Chloride	3.80	J	2.80	8.00	ug/Kg
			Total Voc :	23.2				
			Total Concentration:	23.2				
Client ID:	SED-04-0-2							
Q3323-04	SED-04-0-2	SOIL	Acetone	14.2	J	5.80	30.5	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Carbon Disulfide	3.70	J	1.30	6.10	ug/Kg
			Total Voc :	17.9				
			Total Concentration:	17.9				
Client ID:	SED-05-0-2							
Q3323-05	SED-05-0-2	SOIL	Acetone	13.7	J	4.80	25.4	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Carbon Disulfide	4.10	J	1.10	5.10	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Methylene Chloride	4.40	J	3.60	10.2	ug/Kg
			Total Voc :	22.2				
Q3323-05	SED-05-0-2	SOIL	Naphthalene, decahydro-2-metl *	11.9	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Cyclohexane, 1,3-dimethyl-2-n *	5.50	J	0	0	ug/Kg
			Total Tics :	17.4				
			Total Concentration:	39.6				
Client ID:	SED-06-0-2							

Hit Summary Sheet
SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3323-06	SED-06-0-2	SOIL	Acetone	8.50	J	3.80	20.0	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Carbon Disulfide	1.40	J	0.85	4.00	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Methylene Chloride	5.10	J	2.80	8.00	ug/Kg
			Total Voc :	15.0				
			Total Concentration:	15.0				
Client ID:	SED-07-0-2							
Q3323-07	SED-07-0-2	SOIL	Methylene Chloride	6.00	J	3.50	9.90	ug/Kg
			Total Voc :	6.00				
			Total Concentration:	6.00				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-01-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	66.8	
Sample Wt/Vol:	6.55	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
VY023434.D	1	10/10/25 13:16	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.70	ug/Kg
67-64-1	Acetone	17.2	J	5.40	28.6	ug/Kg
75-15-0	Carbon Disulfide	4.60	J	1.20	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.83	U	0.83	5.70	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.70	ug/Kg
75-09-2	Methylene Chloride	5.40	J	4.00	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5.70	ug/Kg
110-82-7	Cyclohexane	0.90	U	0.90	5.70	ug/Kg
78-93-3	2-Butanone	7.50	U	7.50	28.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.86	U	0.86	5.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.70	ug/Kg
67-66-3	Chloroform	0.96	U	0.96	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.70	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.70	ug/Kg
71-43-2	Benzene	0.90	U	0.90	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.90	U	0.90	5.70	ug/Kg
79-01-6	Trichloroethene	0.93	U	0.93	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.89	U	0.89	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	28.6	ug/Kg
108-88-3	Toluene	0.89	U	0.89	5.70	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace			Date Received:	10/09/25
Client Sample ID:	SED-01-0-2			SDG No.:	Q3323
Lab Sample ID:	Q3323-01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	66.8
Sample Wt/Vol:	6.55	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
VY023434.D	1	10/10/25 13:16	VY101025

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-01-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	66.8
Sample Wt/Vol:	6.55	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
VY023434.D	1	10/10/25 13:16	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002958-76-1	Naphthalene, decahydro-2-methyl-	16.0	J		14.2	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	21.0	J		15.0	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		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-02-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	57.3	
Sample Wt/Vol:	3.46	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
VY023435.D	1	10/10/25 13:40	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.90	U	2.90	12.6	ug/Kg
74-87-3	Chloromethane	2.90	U	2.90	12.6	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	2.00	12.6	ug/Kg
74-83-9	Bromomethane	2.70	U	2.70	12.6	ug/Kg
75-00-3	Chloroethane	3.20	U	3.20	12.6	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	3.10	12.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.70	U	2.70	12.6	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	2.50	12.6	ug/Kg
67-64-1	Acetone	34.3	J	12.0	63.0	ug/Kg
75-15-0	Carbon Disulfide	4.20	J	2.70	12.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	1.80	12.6	ug/Kg
79-20-9	Methyl Acetate	3.90	U	3.90	12.6	ug/Kg
75-09-2	Methylene Chloride	9.70	J	8.90	25.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.20	U	2.20	12.6	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	2.00	12.6	ug/Kg
110-82-7	Cyclohexane	2.00	U	2.00	12.6	ug/Kg
78-93-3	2-Butanone	16.5	U	16.5	63.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	2.40	12.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	1.90	12.6	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	12.6	ug/Kg
67-66-3	Chloroform	2.10	U	2.10	12.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	2.30	12.6	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	2.30	12.6	ug/Kg
71-43-2	Benzene	2.00	U	2.00	12.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	2.00	12.6	ug/Kg
79-01-6	Trichloroethene	2.00	U	2.00	12.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	2.30	12.6	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	2.00	12.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.00	U	9.00	63.0	ug/Kg
108-88-3	Toluene	2.00	U	2.00	12.6	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-02-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	57.3	
Sample Wt/Vol:	3.46	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
VY023435.D	1	10/10/25 13:40	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.60	U	1.60	12.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.60	U	1.60	12.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	12.6	ug/Kg
591-78-6	2-Hexanone	9.30	U	9.30	63.0	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	2.20	12.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	2.20	12.6	ug/Kg
127-18-4	Tetrachloroethene	2.60	U	2.60	12.6	ug/Kg
108-90-7	Chlorobenzene	2.30	U	2.30	12.6	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	1.70	12.6	ug/Kg
179601-23-1	m/p-Xylenes	3.10	U	3.10	25.2	ug/Kg
95-47-6	o-Xylene	2.10	U	2.10	12.6	ug/Kg
100-42-5	Styrene	1.80	U	1.80	12.6	ug/Kg
75-25-2	Bromoform	2.20	U	2.20	12.6	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	2.00	12.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.10	U	3.10	12.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.30	U	4.30	12.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.90	U	3.90	12.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.70	U	3.70	12.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	12.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.50	U	7.50	12.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	8.00	U	8.00	12.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.0		63 - 155	126%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	54.1		74 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.8		17 - 146	120%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	567000	7.713			
540-36-3	1,4-Difluorobenzene	1090000	8.616			
3114-55-4	Chlorobenzene-d5	1150000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	533000	13.347			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-02-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-02		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	57.3
Sample Wt/Vol:	3.46	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
VY023435.D	1	10/10/25 13:40	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002958-76-1	Naphthalene, decahydro-2-methyl-	13.4	J		14.2	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	14.0	J		15.0	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-03-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	71.6	
Sample Wt/Vol:	8.75	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
VY023436.D	1	10/10/25 14:03	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	4.00	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.85	U	0.85	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	16.4	J	3.80	20.0	ug/Kg
75-15-0	Carbon Disulfide	3.00	J	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	3.80	J	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.0	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-03-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	71.6	
Sample Wt/Vol:	8.75	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
VY023436.D	1	10/10/25 14:03	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	U	0.73	4.00	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.00	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.65	U	0.65	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.9		63 - 155	118%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.6		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	574000	7.713			
540-36-3	1,4-Difluorobenzene	1110000	8.616			
3114-55-4	Chlorobenzene-d5	1080000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	408000	13.346			

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-03-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-03		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	71.6
Sample Wt/Vol:	8.75	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
VY023436.D	1	10/10/25 14:03	VY101025

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:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-04-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-04		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	70.2
Sample Wt/Vol:	5.83	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
VY023437.D	1	10/10/25 14:27	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.10	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.10	ug/Kg
75-01-4	Vinyl Chloride	0.97	U	0.97	6.10	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.10	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	6.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.10	ug/Kg
67-64-1	Acetone	14.2	J	5.80	30.5	ug/Kg
75-15-0	Carbon Disulfide	3.70	J	1.30	6.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.89	U	0.89	6.10	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.10	ug/Kg
75-09-2	Methylene Chloride	4.30	U	4.30	12.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	U	0.98	6.10	ug/Kg
110-82-7	Cyclohexane	0.97	U	0.97	6.10	ug/Kg
78-93-3	2-Butanone	8.00	U	8.00	30.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.92	U	0.92	6.10	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.10	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.10	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.10	ug/Kg
71-43-2	Benzene	0.97	U	0.97	6.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.97	U	0.97	6.10	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	6.10	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.10	ug/Kg
75-27-4	Bromodichloromethane	0.95	U	0.95	6.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	30.5	ug/Kg
108-88-3	Toluene	0.95	U	0.95	6.10	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-04-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	70.2	
Sample Wt/Vol:	5.83	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
VY023437.D	1	10/10/25 14:27	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	6.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.76	U	0.76	6.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.10	ug/Kg
591-78-6	2-Hexanone	4.50	U	4.50	30.5	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.10	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.10	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.10	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.10	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	6.10	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.2	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.10	ug/Kg
100-42-5	Styrene	0.87	U	0.87	6.10	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.10	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	6.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	2.20	6.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.60	U	3.60	6.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.90	U	3.90	6.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.2		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		17 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	548000	7.713			
540-36-3	1,4-Difluorobenzene	1010000	8.616			
3114-55-4	Chlorobenzene-d5	894000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	300000	13.346			

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	70.2
Sample Wt/Vol:	5.83 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
VY023437.D	1	10/10/25 14:27	VY101025

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:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-05-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	77.4	
Sample Wt/Vol:	6.35	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
VY023438.D	1	10/10/25 14:50	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	13.7	J	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	4.10	J	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	4.40	J	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.79	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.4	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.10	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace			Date Received:	10/09/25
Client Sample ID:	SED-05-0-2			SDG No.:	Q3323
Lab Sample ID:	Q3323-05			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	77.4
Sample Wt/Vol:	6.35	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
VY023438.D	1	10/10/25 14:50	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.83	U	0.83	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	52.3		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	602000	7.713			
540-36-3	1,4-Difluorobenzene	1140000	8.616			
3114-55-4	Chlorobenzene-d5	1100000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	418000	13.347			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-05-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	6.35 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
VY023438.D	1	10/10/25 14:50	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
019781-47-6	Cyclohexane, 1,3-dimethyl-2-methyl	5.50	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	11.9	J		14.2	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		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-06-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-06		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	80.8	
Sample Wt/Vol:	7.74	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
VY023439.D	1	10/10/25 15:13	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	4.00	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	8.50	J	3.80	20.0	ug/Kg
75-15-0	Carbon Disulfide	1.40	J	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	5.10	J	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.0	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-06-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-06		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	80.8	
Sample Wt/Vol:	7.74	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
VY023439.D	1	10/10/25 15:13	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.2		63 - 155	116%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	52.4		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		17 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	613000	7.713			
540-36-3	1,4-Difluorobenzene	1180000	8.616			
3114-55-4	Chlorobenzene-d5	1180000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	481000	13.346			

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-06-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-06		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	80.8
Sample Wt/Vol:	7.74	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
VY023439.D	1	10/10/25 15:13	VY101025

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:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-07-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	81.2	
Sample Wt/Vol:	6.2	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
VY023440.D	1	10/10/25 15:37	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.78	U	0.78	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.99	U	0.99	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	24.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	6.00	J	3.50	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.85	U	0.85	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
110-82-7	Cyclohexane	0.78	U	0.78	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.74	U	0.74	5.00	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	5.00	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.90	U	0.90	5.00	ug/Kg
71-43-2	Benzene	0.78	U	0.78	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.78	U	0.78	5.00	ug/Kg
79-01-6	Trichloroethene	0.80	U	0.80	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.90	U	0.90	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.77	U	0.77	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	24.8	ug/Kg
108-88-3	Toluene	0.77	U	0.77	5.00	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-07-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	81.2	
Sample Wt/Vol:	6.2	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
VY023440.D	1	10/10/25 15:37	VY101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.91	U	0.91	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	24.8	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.00	ug/Kg
108-90-7	Chlorobenzene	0.90	U	0.90	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.90	ug/Kg
95-47-6	o-Xylene	0.81	U	0.81	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.85	U	0.85	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.2		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	51.8		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	590000	7.713			
540-36-3	1,4-Difluorobenzene	1120000	8.616			
3114-55-4	Chlorobenzene-d5	1050000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	373000	13.346			

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25	
Client Sample ID:	SED-07-0-2		SDG No.:	Q3323	
Lab Sample ID:	Q3323-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	81.2	
Sample Wt/Vol:	6.2	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
VY023440.D	1	10/10/25 15:37	VY101025

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:	Q3323	OrderDate:	10/9/2025 2:32:00 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
Q3323-01	SED-01-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25
Q3323-02	SED-02-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25
Q3323-03	SED-03-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25
Q3323-04	SED-04-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25
Q3323-05	SED-05-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25
Q3323-06	SED-06-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25
Q3323-07	SED-07-0-2	SOIL	VOC-TCLVOA-10	8260D	10/09/25		10/10/25	10/09/25

Hit Summary Sheet SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SED-01-0-2								
Q3323-01	SED-01-0-2	SOIL	.alpha.-Amyrone	*	420.000	J 0	0	ug/Kg
Q3323-01	SED-01-0-2	SOIL	Benzophenone	*	290.000	J 0	0	ug/Kg
Q3323-01	SED-01-0-2	SOIL	n-Hexadecanoic acid	*	180.000	J 0	0	ug/Kg
Total Tics :				890.00				
Total Concentration:				890.00				
Client ID : SED-02-0-2								
Q3323-02	SED-02-0-2	SOIL	Phenanthrene		290.000	J 36.4	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Fluoranthene		610.000	52.2	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Pyrene		370.000	62.6	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzo(a)anthracene		260.000	J 40	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Chrysene		280.000	J 34.6	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Bis(2-ethylhexyl)phthalate		120.000	J 100	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzo(b)fluoranthene		290.000	J 33.1	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzo(a)pyrene		220.000	J 51.3	300	ug/Kg
Total Svoc :				2,440.00				
Q3323-02	SED-02-0-2	SOIL	Benzo[e]pyrene	*	150.000	J 0	0	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzophenone	*	430.000	J 0	0	ug/Kg
Q3323-02	SED-02-0-2	SOIL	n-Hexadecanoic acid	*	390.000	J 0	0	ug/Kg
Total Tics :				970.00				
Total Concentration:				3,410.00				
Client ID : SED-03-0-2								
Q3323-03	SED-03-0-2	SOIL	Phenanthrene		97.200	J 29.1	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Fluoranthene		200.000	J 41.8	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Pyrene		140.000	J 50.1	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Benzo(a)anthracene		100.000	J 32	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Chrysene		100.000	J 27.7	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Benzo(b)fluoranthene		94.100	J 26.5	240	ug/Kg
Total Svoc :				731.30				
Q3323-03	SED-03-0-2	SOIL	Benzophenone	*	300.000	J 0	0	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Tridecanoic acid	*	220.000	J 0	0	ug/Kg
Total Tics :				520.00				
Total Concentration:				1,251.30				
Client ID : SED-04-0-2								
Q3323-04	SED-04-0-2	SOIL	Fluoranthene		110.000	J 42.6	240	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Pyrene		110.000	J 51.2	240	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Benzo(a)anthracene		100.000	J 32.7	240	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	320.00				
Q3323-04	SED-04-0-2	SOIL	n-Hexadecanoic acid	*	460.000	J 0	0	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Benzophenone	*	350.000	J 0	0	ug/Kg
			Total Tics :	810.00				
			Total Concentration:	1,130.00				
Client ID : SED-05-0-2								
Q3323-05	SED-05-0-2	SOIL	Naphthalene		490.000	29.3	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	2-Methylnaphthalene		130.000	J 33	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Acenaphthene		300.000	27.5	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Dibenzofuran		230.000	29.3	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Fluorene		230.000	32.6	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Phenanthrene		1,800.000	27	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Anthracene		410.000	43	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Carbazole		150.000	J 40.3	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Fluoranthene		1,500.000	38.7	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Pyrene		900.000	46.4	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(a)anthracene		570.000	29.7	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Chrysene		520.000	25.7	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(b)fluoranthene		500.000	24.5	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(k)fluoranthene		170.000	J 28.9	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(a)pyrene		450.000	38.1	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Indeno(1,2,3-cd)pyrene		160.000	J 37.5	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(g,h,i)perylene		190.000	J 33.2	220	ug/Kg
			Total Svoc :	8,700.00				
Q3323-05	SED-05-0-2	SOIL	11H-Benzo[a]fluorene	*	86.400	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	620.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	4H-Cyclopenta[def]phenanthrene	*	370.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo[e]pyrene	*	240.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzophenone	*	280.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Dibenzothiophene	*	160.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Naphthalene, 2-phenyl-	*	150.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Phenanthrene, 2-methyl-	*	110.000	J 0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	1-Methylnaphthalene	*	110.000	J 33.3	220	ug/Kg
			Total Tics :	2,126.40				
			Total Concentration:	10,826.40				
Client ID : SED-06-0-2								
Q3323-06	SED-06-0-2	SOIL	Phenanthrene		440.000	25.8	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Anthracene		130.000	J 41.1	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Fluoranthene		520.000	37.1	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Pyrene		330.000	44.5	210	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3323-06	SED-06-0-2	SOIL	Benzo(a)anthracene	250.000		28.4	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Chrysene	230.000		24.6	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(b)fluoranthene	260.000		23.5	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(k)fluoranthene	82.900	J	27.7	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(a)pyrene	220.000		36.4	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(g,h,i)perylene	92.500	J	31.7	210	ug/Kg
Total Svoc :				2,555.40				
Q3323-06	SED-06-0-2	SOIL	Anthracene, 2-methyl-	*	310.000	J 0	0	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo[e]pyrene	*	130.000	J 0	0	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzophenone	*	210.000	J 0	0	ug/Kg
Total Tics :				650.00				
Total Concentration:				3,205.40				
Client ID :	SED-07-0-2							
Q3323-07	SED-07-0-2	SOIL	Fluoranthene	170.000	J	36.9	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Pyrene	100.000	J	44.3	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Benzo(a)anthracene	86.900	J	28.3	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Benzo(b)fluoranthene	120.000	J	23.4	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Benzo(a)pyrene	93.800	J	36.3	210	ug/Kg
Total Svoc :				570.70				
Q3323-07	SED-07-0-2	SOIL	Benzophenone	*	180.000	J 0	0	ug/Kg
Q3323-07	SED-07-0-2	SOIL	n-Hexadecanoic acid	*	250.000	J 0	0	ug/Kg
Total Tics :				430.00				
Total Concentration:				1,000.70				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-01-0-2
Lab Sample ID: Q3323-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 66.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	230	U	1	230	490	ug/Kg	10/13/25 17:32	PB170067
108-95-2	Phenol	33.0	U	1	33.0	250	ug/Kg	10/13/25 17:32	PB170067
111-44-4	bis(2-Chloroethyl)ether	36.3	U	1	36.3	250	ug/Kg	10/13/25 17:32	PB170067
95-57-8	2-Chlorophenol	36.5	U	1	36.5	250	ug/Kg	10/13/25 17:32	PB170067
95-48-7	2-Methylphenol	44.7	U	1	44.7	250	ug/Kg	10/13/25 17:32	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	56.0	U	1	56.0	250	ug/Kg	10/13/25 17:32	PB170067
98-86-2	Acetophenone	44.1	U	1	44.1	250	ug/Kg	10/13/25 17:32	PB170067
65794-96-9	3+4-Methylphenols	61.4	U	1	61.4	490	ug/Kg	10/13/25 17:32	PB170067
621-64-7	n-Nitroso-di-n-propylamine	70.8	U	1	70.8	120	ug/Kg	10/13/25 17:32	PB170067
67-72-1	Hexachloroethane	26.3	U	1	26.3	250	ug/Kg	10/13/25 17:32	PB170067
98-95-3	Nitrobenzene	27.3	U	1	27.3	250	ug/Kg	10/13/25 17:32	PB170067
78-59-1	Isophorone	49.0	U	1	49.0	250	ug/Kg	10/13/25 17:32	PB170067
88-75-5	2-Nitrophenol	87.0	U	1	87.0	250	ug/Kg	10/13/25 17:32	PB170067
105-67-9	2,4-Dimethylphenol	96.8	U	1	96.8	250	ug/Kg	10/13/25 17:32	PB170067
111-91-1	bis(2-Chloroethoxy)methane	46.0	U	1	46.0	250	ug/Kg	10/13/25 17:32	PB170067
120-83-2	2,4-Dichlorophenol	42.3	U	1	42.3	250	ug/Kg	10/13/25 17:32	PB170067
91-20-3	Naphthalene	33.9	U	1	33.9	250	ug/Kg	10/13/25 17:32	PB170067
106-47-8	4-Chloroaniline	52.9	U	1	52.9	250	ug/Kg	10/13/25 17:32	PB170067
87-68-3	Hexachlorobutadiene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
105-60-2	Caprolactam	77.8	U	1	77.8	490	ug/Kg	10/13/25 17:32	PB170067
59-50-7	4-Chloro-3-methylphenol	42.9	U	1	42.9	250	ug/Kg	10/13/25 17:32	PB170067
91-57-6	2-Methylnaphthalene	38.2	U	1	38.2	250	ug/Kg	10/13/25 17:32	PB170067
77-47-4	Hexachlorocyclopentadiene	170	U	1	170	490	ug/Kg	10/13/25 17:32	PB170067
88-06-2	2,4,6-Trichlorophenol	29.6	U	1	29.6	250	ug/Kg	10/13/25 17:32	PB170067
95-95-4	2,4,5-Trichlorophenol	43.5	U	1	43.5	250	ug/Kg	10/13/25 17:32	PB170067
92-52-4	1,1-Biphenyl	32.6	U	1	32.6	250	ug/Kg	10/13/25 17:32	PB170067
91-58-7	2-Chloronaphthalene	33.6	U	1	33.6	250	ug/Kg	10/13/25 17:32	PB170067
88-74-4	2-Nitroaniline	71.9	U	1	71.9	250	ug/Kg	10/13/25 17:32	PB170067
131-11-3	Dimethylphthalate	40.5	U	1	40.5	250	ug/Kg	10/13/25 17:32	PB170067
208-96-8	Acenaphthylene	43.2	U	1	43.2	250	ug/Kg	10/13/25 17:32	PB170067
606-20-2	2,6-Dinitrotoluene	50.2	U	1	50.2	250	ug/Kg	10/13/25 17:32	PB170067
99-09-2	3-Nitroaniline	68.7	U	1	68.7	250	ug/Kg	10/13/25 17:32	PB170067
83-32-9	Acenaphthene	31.8	U	1	31.8	250	ug/Kg	10/13/25 17:32	PB170067
51-28-5	2,4-Dinitrophenol	340	U	1	340	490	ug/Kg	10/13/25 17:32	PB170067
100-02-7	4-Nitrophenol	160	U	1	160	490	ug/Kg	10/13/25 17:32	PB170067
132-64-9	Dibenzofuran	33.9	U	1	33.9	250	ug/Kg	10/13/25 17:32	PB170067
121-14-2	2,4-Dinitrotoluene	74.9	U	1	74.9	250	ug/Kg	10/13/25 17:32	PB170067
84-66-2	Diethylphthalate	42.3	U	1	42.3	250	ug/Kg	10/13/25 17:32	PB170067
7005-72-3	4-Chlorophenyl-phenylether	39.9	U	1	39.9	250	ug/Kg	10/13/25 17:32	PB170067
86-73-7	Fluorene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
100-01-6	4-Nitroaniline	95.9	U	1	95.9	250	ug/Kg	10/13/25 17:32	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	150	U	1	150	490	ug/Kg	10/13/25 17:32	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-01-0-2
Lab Sample ID: Q3323-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 66.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	49.2	U	1	49.2	250	ug/Kg	10/13/25 17:32	PB170067
101-55-3	4-Bromophenyl-phenylether	41.5	U	1	41.5	250	ug/Kg	10/13/25 17:32	PB170067
118-74-1	Hexachlorobenzene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
1912-24-9	Atrazine	50.8	U	1	50.8	250	ug/Kg	10/13/25 17:32	PB170067
87-86-5	Pentachlorophenol	76.6	U	1	76.6	490	ug/Kg	10/13/25 17:32	PB170067
85-01-8	Phenanthrene	31.2	U	1	31.2	250	ug/Kg	10/13/25 17:32	PB170067
120-12-7	Anthracene	49.8	U	1	49.8	250	ug/Kg	10/13/25 17:32	PB170067
86-74-8	Carbazole	46.6	U	1	46.6	250	ug/Kg	10/13/25 17:32	PB170067
84-74-2	Di-n-butylphthalate	71.6	U	1	71.6	250	ug/Kg	10/13/25 17:32	PB170067
206-44-0	Fluoranthene	44.8	U	1	44.8	250	ug/Kg	10/13/25 17:32	PB170067
129-00-0	Pyrene	53.8	U	1	53.8	250	ug/Kg	10/13/25 17:32	PB170067
85-68-7	Butylbenzylphthalate	110	U	1	110	250	ug/Kg	10/13/25 17:32	PB170067
91-94-1	3,3-Dichlorobenzidine	54.8	U	1	54.8	490	ug/Kg	10/13/25 17:32	PB170067
56-55-3	Benzo(a)anthracene	34.4	U	1	34.4	250	ug/Kg	10/13/25 17:32	PB170067
218-01-9	Chrysene	29.7	U	1	29.7	250	ug/Kg	10/13/25 17:32	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	88.4	U	1	88.4	250	ug/Kg	10/13/25 17:32	PB170067
117-84-0	Di-n-octyl phthalate	130	U	1	130	490	ug/Kg	10/13/25 17:32	PB170067
205-99-2	Benzo(b)fluoranthene	28.4	U	1	28.4	250	ug/Kg	10/13/25 17:32	PB170067
207-08-9	Benzo(k)fluoranthene	33.5	U	1	33.5	250	ug/Kg	10/13/25 17:32	PB170067
50-32-8	Benzo(a)pyrene	44.1	U	1	44.1	250	ug/Kg	10/13/25 17:32	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	43.5	U	1	43.5	250	ug/Kg	10/13/25 17:32	PB170067
53-70-3	Dibenzo(a,h)anthracene	40.9	U	1	40.9	250	ug/Kg	10/13/25 17:32	PB170067
191-24-2	Benzo(g,h,i)perylene	38.4	U	1	38.4	250	ug/Kg	10/13/25 17:32	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	38.2	U	1	38.2	250	ug/Kg	10/13/25 17:32	PB170067
123-91-1	1,4-Dioxane	67.5	U	1	67.5	250	ug/Kg	10/13/25 17:32	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	40.9	U	1	40.9	250	ug/Kg	10/13/25 17:32	PB170067

SURROGATES

367-12-4	2-Fluorophenol	75.4		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	71.8		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.5		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.8		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	31.7		10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	110000
1146-65-2	Naphthalene-d8	409000
15067-26-2	Acenaphthene-d10	205000
1517-22-2	Phenanthrene-d10	303000
1719-03-5	Chrysene-d12	234000
1520-96-3	Perylene-d12	315000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J	11.9	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-01-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	66.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000638-96-0	.alpha.-Amyrone	420	J			18.2	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: SED-02-0-2
Lab Sample ID: Q3323-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 57.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	270	U	1	270	570	ug/Kg	10/13/25 18:00	PB170067
108-95-2	Phenol	38.5	U	1	38.5	300	ug/Kg	10/13/25 18:00	PB170067
111-44-4	bis(2-Chloroethyl)ether	42.3	U	1	42.3	300	ug/Kg	10/13/25 18:00	PB170067
95-57-8	2-Chlorophenol	42.5	U	1	42.5	300	ug/Kg	10/13/25 18:00	PB170067
95-48-7	2-Methylphenol	52.0	U	1	52.0	300	ug/Kg	10/13/25 18:00	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	65.2	U	1	65.2	300	ug/Kg	10/13/25 18:00	PB170067
98-86-2	Acetophenone	51.3	U	1	51.3	300	ug/Kg	10/13/25 18:00	PB170067
65794-96-9	3+4-Methylphenols	71.5	U	1	71.5	570	ug/Kg	10/13/25 18:00	PB170067
621-64-7	n-Nitroso-di-n-propylamine	82.5	U	1	82.5	140	ug/Kg	10/13/25 18:00	PB170067
67-72-1	Hexachloroethane	30.6	U	1	30.6	300	ug/Kg	10/13/25 18:00	PB170067
98-95-3	Nitrobenzene	31.8	U	1	31.8	300	ug/Kg	10/13/25 18:00	PB170067
78-59-1	Isophorone	57.1	U	1	57.1	300	ug/Kg	10/13/25 18:00	PB170067
88-75-5	2-Nitrophenol	100	U	1	100	300	ug/Kg	10/13/25 18:00	PB170067
105-67-9	2,4-Dimethylphenol	110	U	1	110	300	ug/Kg	10/13/25 18:00	PB170067
111-91-1	bis(2-Chloroethoxy)methane	53.6	U	1	53.6	300	ug/Kg	10/13/25 18:00	PB170067
120-83-2	2,4-Dichlorophenol	49.2	U	1	49.2	300	ug/Kg	10/13/25 18:00	PB170067
91-20-3	Naphthalene	39.5	U	1	39.5	300	ug/Kg	10/13/25 18:00	PB170067
106-47-8	4-Chloroaniline	61.6	U	1	61.6	300	ug/Kg	10/13/25 18:00	PB170067
87-68-3	Hexachlorobutadiene	44.0	U	1	44.0	300	ug/Kg	10/13/25 18:00	PB170067
105-60-2	Caprolactam	90.7	U	1	90.7	570	ug/Kg	10/13/25 18:00	PB170067
59-50-7	4-Chloro-3-methylphenol	49.9	U	1	49.9	300	ug/Kg	10/13/25 18:00	PB170067
91-57-6	2-Methylnaphthalene	44.5	U	1	44.5	300	ug/Kg	10/13/25 18:00	PB170067
77-47-4	Hexachlorocyclopentadiene	200	U	1	200	570	ug/Kg	10/13/25 18:00	PB170067
88-06-2	2,4,6-Trichlorophenol	34.5	U	1	34.5	300	ug/Kg	10/13/25 18:00	PB170067
95-95-4	2,4,5-Trichlorophenol	50.6	U	1	50.6	300	ug/Kg	10/13/25 18:00	PB170067
92-52-4	1,1-Biphenyl	37.9	U	1	37.9	300	ug/Kg	10/13/25 18:00	PB170067
91-58-7	2-Chloronaphthalene	39.1	U	1	39.1	300	ug/Kg	10/13/25 18:00	PB170067
88-74-4	2-Nitroaniline	83.7	U	1	83.7	300	ug/Kg	10/13/25 18:00	PB170067
131-11-3	Dimethylphthalate	47.2	U	1	47.2	300	ug/Kg	10/13/25 18:00	PB170067
208-96-8	Acenaphthylene	50.3	U	1	50.3	300	ug/Kg	10/13/25 18:00	PB170067
606-20-2	2,6-Dinitrotoluene	58.5	U	1	58.5	300	ug/Kg	10/13/25 18:00	PB170067
99-09-2	3-Nitroaniline	80.0	U	1	80.0	300	ug/Kg	10/13/25 18:00	PB170067
83-32-9	Acenaphthene	37.1	U	1	37.1	300	ug/Kg	10/13/25 18:00	PB170067
51-28-5	2,4-Dinitrophenol	400	U	1	400	570	ug/Kg	10/13/25 18:00	PB170067
100-02-7	4-Nitrophenol	190	U	1	190	570	ug/Kg	10/13/25 18:00	PB170067
132-64-9	Dibenzofuran	39.5	U	1	39.5	300	ug/Kg	10/13/25 18:00	PB170067
121-14-2	2,4-Dinitrotoluene	87.2	U	1	87.2	300	ug/Kg	10/13/25 18:00	PB170067
84-66-2	Diethylphthalate	49.2	U	1	49.2	300	ug/Kg	10/13/25 18:00	PB170067
7005-72-3	4-Chlorophenyl-phenylether	46.5	U	1	46.5	300	ug/Kg	10/13/25 18:00	PB170067
86-73-7	Fluorene	44.0	U	1	44.0	300	ug/Kg	10/13/25 18:00	PB170067
100-01-6	4-Nitroaniline	110	U	1	110	300	ug/Kg	10/13/25 18:00	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	180	U	1	180	570	ug/Kg	10/13/25 18:00	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-02-0-2
Lab Sample ID: Q3323-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 57.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	57.2	U	1	57.2	300	ug/Kg	10/13/25 18:00	PB170067
101-55-3	4-Bromophenyl-phenylether	48.4	U	1	48.4	300	ug/Kg	10/13/25 18:00	PB170067
118-74-1	Hexachlorobenzene	44.0	U	1	44.0	300	ug/Kg	10/13/25 18:00	PB170067
1912-24-9	Atrazine	59.2	U	1	59.2	300	ug/Kg	10/13/25 18:00	PB170067
87-86-5	Pentachlorophenol	89.3	U	1	89.3	570	ug/Kg	10/13/25 18:00	PB170067
85-01-8	Phenanthrene	290	J	1	36.4	300	ug/Kg	10/13/25 18:00	PB170067
120-12-7	Anthracene	57.9	U	1	57.9	300	ug/Kg	10/13/25 18:00	PB170067
86-74-8	Carbazole	54.3	U	1	54.3	300	ug/Kg	10/13/25 18:00	PB170067
84-74-2	Di-n-butylphthalate	83.3	U	1	83.3	300	ug/Kg	10/13/25 18:00	PB170067
206-44-0	Fluoranthene	610		1	52.2	300	ug/Kg	10/13/25 18:00	PB170067
129-00-0	Pyrene	370		1	62.6	300	ug/Kg	10/13/25 18:00	PB170067
85-68-7	Butylbenzylphthalate	120	U	1	120	300	ug/Kg	10/13/25 18:00	PB170067
91-94-1	3,3-Dichlorobenzidine	63.9	U	1	63.9	570	ug/Kg	10/13/25 18:00	PB170067
56-55-3	Benzo(a)anthracene	260	J	1	40.0	300	ug/Kg	10/13/25 18:00	PB170067
218-01-9	Chrysene	280	J	1	34.6	300	ug/Kg	10/13/25 18:00	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	1	100	300	ug/Kg	10/13/25 18:00	PB170067
117-84-0	Di-n-octyl phthalate	150	U	1	150	570	ug/Kg	10/13/25 18:00	PB170067
205-99-2	Benzo(b)fluoranthene	290	J	1	33.1	300	ug/Kg	10/13/25 18:00	PB170067
207-08-9	Benzo(k)fluoranthene	39.0	U	1	39.0	300	ug/Kg	10/13/25 18:00	PB170067
50-32-8	Benzo(a)pyrene	220	J	1	51.3	300	ug/Kg	10/13/25 18:00	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	50.6	U	1	50.6	300	ug/Kg	10/13/25 18:00	PB170067
53-70-3	Dibenzo(a,h)anthracene	47.7	U	1	47.7	300	ug/Kg	10/13/25 18:00	PB170067
191-24-2	Benzo(g,h,i)perylene	44.7	U	1	44.7	300	ug/Kg	10/13/25 18:00	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5	U	1	44.5	300	ug/Kg	10/13/25 18:00	PB170067
123-91-1	1,4-Dioxane	78.6	U	1	78.6	300	ug/Kg	10/13/25 18:00	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	1	47.7	300	ug/Kg	10/13/25 18:00	PB170067

SURROGATES

367-12-4	2-Fluorophenol	91.0		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	90.0		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.2		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	37.6		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	102000
1146-65-2	Naphthalene-d8	378000
15067-26-2	Acenaphthene-d10	185000
1517-22-2	Phenanthrene-d10	262000
1719-03-5	Chrysene-d12	224000
1520-96-3	Perylene-d12	291000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	430	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J	11.9	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-02-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	57.3
Sample Wt/Vol:	30.09 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	150	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: SED-03-0-2
Lab Sample ID: Q3323-03
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 71.6
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	220	U	1	220	460	ug/Kg	10/13/25 18:30	PB170067
108-95-2	Phenol	30.8	U	1	30.8	240	ug/Kg	10/13/25 18:30	PB170067
111-44-4	bis(2-Chloroethyl)ether	33.8	U	1	33.8	240	ug/Kg	10/13/25 18:30	PB170067
95-57-8	2-Chlorophenol	34.0	U	1	34.0	240	ug/Kg	10/13/25 18:30	PB170067
95-48-7	2-Methylphenol	41.6	U	1	41.6	240	ug/Kg	10/13/25 18:30	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	52.2	U	1	52.2	240	ug/Kg	10/13/25 18:30	PB170067
98-86-2	Acetophenone	41.1	U	1	41.1	240	ug/Kg	10/13/25 18:30	PB170067
65794-96-9	3+4-Methylphenols	57.2	U	1	57.2	460	ug/Kg	10/13/25 18:30	PB170067
621-64-7	n-Nitroso-di-n-propylamine	66.0	U	1	66.0	110	ug/Kg	10/13/25 18:30	PB170067
67-72-1	Hexachloroethane	24.5	U	1	24.5	240	ug/Kg	10/13/25 18:30	PB170067
98-95-3	Nitrobenzene	25.5	U	1	25.5	240	ug/Kg	10/13/25 18:30	PB170067
78-59-1	Isophorone	45.7	U	1	45.7	240	ug/Kg	10/13/25 18:30	PB170067
88-75-5	2-Nitrophenol	81.1	U	1	81.1	240	ug/Kg	10/13/25 18:30	PB170067
105-67-9	2,4-Dimethylphenol	90.3	U	1	90.3	240	ug/Kg	10/13/25 18:30	PB170067
111-91-1	bis(2-Chloroethoxy)methane	42.9	U	1	42.9	240	ug/Kg	10/13/25 18:30	PB170067
120-83-2	2,4-Dichlorophenol	39.4	U	1	39.4	240	ug/Kg	10/13/25 18:30	PB170067
91-20-3	Naphthalene	31.6	U	1	31.6	240	ug/Kg	10/13/25 18:30	PB170067
106-47-8	4-Chloroaniline	49.3	U	1	49.3	240	ug/Kg	10/13/25 18:30	PB170067
87-68-3	Hexachlorobutadiene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
105-60-2	Caprolactam	72.6	U	1	72.6	460	ug/Kg	10/13/25 18:30	PB170067
59-50-7	4-Chloro-3-methylphenol	40.0	U	1	40.0	240	ug/Kg	10/13/25 18:30	PB170067
91-57-6	2-Methylnaphthalene	35.7	U	1	35.7	240	ug/Kg	10/13/25 18:30	PB170067
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	460	ug/Kg	10/13/25 18:30	PB170067
88-06-2	2,4,6-Trichlorophenol	27.6	U	1	27.6	240	ug/Kg	10/13/25 18:30	PB170067
95-95-4	2,4,5-Trichlorophenol	40.5	U	1	40.5	240	ug/Kg	10/13/25 18:30	PB170067
92-52-4	1,1-Biphenyl	30.4	U	1	30.4	240	ug/Kg	10/13/25 18:30	PB170067
91-58-7	2-Chloronaphthalene	31.3	U	1	31.3	240	ug/Kg	10/13/25 18:30	PB170067
88-74-4	2-Nitroaniline	67.0	U	1	67.0	240	ug/Kg	10/13/25 18:30	PB170067
131-11-3	Dimethylphthalate	37.7	U	1	37.7	240	ug/Kg	10/13/25 18:30	PB170067
208-96-8	Acenaphthylene	40.3	U	1	40.3	240	ug/Kg	10/13/25 18:30	PB170067
606-20-2	2,6-Dinitrotoluene	46.8	U	1	46.8	240	ug/Kg	10/13/25 18:30	PB170067
99-09-2	3-Nitroaniline	64.1	U	1	64.1	240	ug/Kg	10/13/25 18:30	PB170067
83-32-9	Acenaphthene	29.7	U	1	29.7	240	ug/Kg	10/13/25 18:30	PB170067
51-28-5	2,4-Dinitrophenol	320	U	1	320	460	ug/Kg	10/13/25 18:30	PB170067
100-02-7	4-Nitrophenol	150	U	1	150	460	ug/Kg	10/13/25 18:30	PB170067
132-64-9	Dibenzofuran	31.6	U	1	31.6	240	ug/Kg	10/13/25 18:30	PB170067
121-14-2	2,4-Dinitrotoluene	69.8	U	1	69.8	240	ug/Kg	10/13/25 18:30	PB170067
84-66-2	Diethylphthalate	39.4	U	1	39.4	240	ug/Kg	10/13/25 18:30	PB170067
7005-72-3	4-Chlorophenyl-phenylether	37.2	U	1	37.2	240	ug/Kg	10/13/25 18:30	PB170067
86-73-7	Fluorene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
100-01-6	4-Nitroaniline	89.4	U	1	89.4	240	ug/Kg	10/13/25 18:30	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	460	ug/Kg	10/13/25 18:30	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-03-0-2
Lab Sample ID: Q3323-03
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 71.6
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.8	U	1	45.8	240	ug/Kg	10/13/25 18:30	PB170067
101-55-3	4-Bromophenyl-phenylether	38.7	U	1	38.7	240	ug/Kg	10/13/25 18:30	PB170067
118-74-1	Hexachlorobenzene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
1912-24-9	Atrazine	47.4	U	1	47.4	240	ug/Kg	10/13/25 18:30	PB170067
87-86-5	Pentachlorophenol	71.5	U	1	71.5	460	ug/Kg	10/13/25 18:30	PB170067
85-01-8	Phenanthrene	97.2	J	1	29.1	240	ug/Kg	10/13/25 18:30	PB170067
120-12-7	Anthracene	46.4	U	1	46.4	240	ug/Kg	10/13/25 18:30	PB170067
86-74-8	Carbazole	43.5	U	1	43.5	240	ug/Kg	10/13/25 18:30	PB170067
84-74-2	Di-n-butylphthalate	66.7	U	1	66.7	240	ug/Kg	10/13/25 18:30	PB170067
206-44-0	Fluoranthene	200	J	1	41.8	240	ug/Kg	10/13/25 18:30	PB170067
129-00-0	Pyrene	140	J	1	50.1	240	ug/Kg	10/13/25 18:30	PB170067
85-68-7	Butylbenzylphthalate	99.5	U	1	99.5	240	ug/Kg	10/13/25 18:30	PB170067
91-94-1	3,3-Dichlorobenzidine	51.1	U	1	51.1	460	ug/Kg	10/13/25 18:30	PB170067
56-55-3	Benzo(a)anthracene	100	J	1	32.0	240	ug/Kg	10/13/25 18:30	PB170067
218-01-9	Chrysene	100	J	1	27.7	240	ug/Kg	10/13/25 18:30	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	82.5	U	1	82.5	240	ug/Kg	10/13/25 18:30	PB170067
117-84-0	Di-n-octyl phthalate	120	U	1	120	460	ug/Kg	10/13/25 18:30	PB170067
205-99-2	Benzo(b)fluoranthene	94.1	J	1	26.5	240	ug/Kg	10/13/25 18:30	PB170067
207-08-9	Benzo(k)fluoranthene	31.2	U	1	31.2	240	ug/Kg	10/13/25 18:30	PB170067
50-32-8	Benzo(a)pyrene	41.1	U	1	41.1	240	ug/Kg	10/13/25 18:30	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	40.5	U	1	40.5	240	ug/Kg	10/13/25 18:30	PB170067
53-70-3	Dibenzo(a,h)anthracene	38.2	U	1	38.2	240	ug/Kg	10/13/25 18:30	PB170067
191-24-2	Benzo(g,h,i)perylene	35.8	U	1	35.8	240	ug/Kg	10/13/25 18:30	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	35.7	U	1	35.7	240	ug/Kg	10/13/25 18:30	PB170067
123-91-1	1,4-Dioxane	63.0	U	1	63.0	240	ug/Kg	10/13/25 18:30	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	38.2	U	1	38.2	240	ug/Kg	10/13/25 18:30	PB170067

SURROGATES

367-12-4	2-Fluorophenol	76.5		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.1		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.1		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.2		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	33.3		10 - 105	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	106000
1146-65-2	Naphthalene-d8	381000
15067-26-2	Acenaphthene-d10	195000
1517-22-2	Phenanthrene-d10	273000
1719-03-5	Chrysene-d12	233000
1520-96-3	Perylene-d12	303000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	300	J	10.6	ug/Kg
000638-53-9	Tridecanoic acid	220	J	11.9	ug/Kg

A
B
C
D

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-03-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.6
Sample Wt/Vol:	30.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

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

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-04-0-2
Lab Sample ID: Q3323-04
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 70.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	220	U	1	220	470	ug/Kg	10/13/25 16:05	PB170067
108-95-2	Phenol	31.4	U	1	31.4	240	ug/Kg	10/13/25 16:05	PB170067
111-44-4	bis(2-Chloroethyl)ether	34.5	U	1	34.5	240	ug/Kg	10/13/25 16:05	PB170067
95-57-8	2-Chlorophenol	34.7	U	1	34.7	240	ug/Kg	10/13/25 16:05	PB170067
95-48-7	2-Methylphenol	42.5	U	1	42.5	240	ug/Kg	10/13/25 16:05	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	53.3	U	1	53.3	240	ug/Kg	10/13/25 16:05	PB170067
98-86-2	Acetophenone	41.9	U	1	41.9	240	ug/Kg	10/13/25 16:05	PB170067
65794-96-9	3+4-Methylphenols	58.4	U	1	58.4	470	ug/Kg	10/13/25 16:05	PB170067
621-64-7	n-Nitroso-di-n-propylamine	67.4	U	1	67.4	110	ug/Kg	10/13/25 16:05	PB170067
67-72-1	Hexachloroethane	25.0	U	1	25.0	240	ug/Kg	10/13/25 16:05	PB170067
98-95-3	Nitrobenzene	26.0	U	1	26.0	240	ug/Kg	10/13/25 16:05	PB170067
78-59-1	Isophorone	46.6	U	1	46.6	240	ug/Kg	10/13/25 16:05	PB170067
88-75-5	2-Nitrophenol	82.7	U	1	82.7	240	ug/Kg	10/13/25 16:05	PB170067
105-67-9	2,4-Dimethylphenol	92.1	U	1	92.1	240	ug/Kg	10/13/25 16:05	PB170067
111-91-1	bis(2-Chloroethoxy)methane	43.8	U	1	43.8	240	ug/Kg	10/13/25 16:05	PB170067
120-83-2	2,4-Dichlorophenol	40.2	U	1	40.2	240	ug/Kg	10/13/25 16:05	PB170067
91-20-3	Naphthalene	32.3	U	1	32.3	240	ug/Kg	10/13/25 16:05	PB170067
106-47-8	4-Chloroaniline	50.3	U	1	50.3	240	ug/Kg	10/13/25 16:05	PB170067
87-68-3	Hexachlorobutadiene	36.0	U	1	36.0	240	ug/Kg	10/13/25 16:05	PB170067
105-60-2	Caprolactam	74.0	U	1	74.0	470	ug/Kg	10/13/25 16:05	PB170067
59-50-7	4-Chloro-3-methylphenol	40.8	U	1	40.8	240	ug/Kg	10/13/25 16:05	PB170067
91-57-6	2-Methylnaphthalene	36.4	U	1	36.4	240	ug/Kg	10/13/25 16:05	PB170067
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	470	ug/Kg	10/13/25 16:05	PB170067
88-06-2	2,4,6-Trichlorophenol	28.1	U	1	28.1	240	ug/Kg	10/13/25 16:05	PB170067
95-95-4	2,4,5-Trichlorophenol	41.4	U	1	41.4	240	ug/Kg	10/13/25 16:05	PB170067
92-52-4	1,1-Biphenyl	31.0	U	1	31.0	240	ug/Kg	10/13/25 16:05	PB170067
91-58-7	2-Chloronaphthalene	32.0	U	1	32.0	240	ug/Kg	10/13/25 16:05	PB170067
88-74-4	2-Nitroaniline	68.4	U	1	68.4	240	ug/Kg	10/13/25 16:05	PB170067
131-11-3	Dimethylphthalate	38.5	U	1	38.5	240	ug/Kg	10/13/25 16:05	PB170067
208-96-8	Acenaphthylene	41.1	U	1	41.1	240	ug/Kg	10/13/25 16:05	PB170067
606-20-2	2,6-Dinitrotoluene	47.8	U	1	47.8	240	ug/Kg	10/13/25 16:05	PB170067
99-09-2	3-Nitroaniline	65.4	U	1	65.4	240	ug/Kg	10/13/25 16:05	PB170067
83-32-9	Acenaphthene	30.3	U	1	30.3	240	ug/Kg	10/13/25 16:05	PB170067
51-28-5	2,4-Dinitrophenol	330	U	1	330	470	ug/Kg	10/13/25 16:05	PB170067
100-02-7	4-Nitrophenol	150	U	1	150	470	ug/Kg	10/13/25 16:05	PB170067
132-64-9	Dibenzofuran	32.3	U	1	32.3	240	ug/Kg	10/13/25 16:05	PB170067
121-14-2	2,4-Dinitrotoluene	71.2	U	1	71.2	240	ug/Kg	10/13/25 16:05	PB170067
84-66-2	Diethylphthalate	40.2	U	1	40.2	240	ug/Kg	10/13/25 16:05	PB170067
7005-72-3	4-Chlorophenyl-phenylether	37.9	U	1	37.9	240	ug/Kg	10/13/25 16:05	PB170067
86-73-7	Fluorene	36.0	U	1	36.0	240	ug/Kg	10/13/25 16:05	PB170067
100-01-6	4-Nitroaniline	91.2	U	1	91.2	240	ug/Kg	10/13/25 16:05	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	150	U	1	150	470	ug/Kg	10/13/25 16:05	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-04-0-2
Lab Sample ID: Q3323-04
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 70.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	46.8	U	1	46.8	240	ug/Kg	10/13/25 16:05	PB170067
101-55-3	4-Bromophenyl-phenylether	39.5	U	1	39.5	240	ug/Kg	10/13/25 16:05	PB170067
118-74-1	Hexachlorobenzene	36.0	U	1	36.0	240	ug/Kg	10/13/25 16:05	PB170067
1912-24-9	Atrazine	48.3	U	1	48.3	240	ug/Kg	10/13/25 16:05	PB170067
87-86-5	Pentachlorophenol	72.9	U	1	72.9	470	ug/Kg	10/13/25 16:05	PB170067
85-01-8	Phenanthrene	29.7	U	1	29.7	240	ug/Kg	10/13/25 16:05	PB170067
120-12-7	Anthracene	47.3	U	1	47.3	240	ug/Kg	10/13/25 16:05	PB170067
86-74-8	Carbazole	44.3	U	1	44.3	240	ug/Kg	10/13/25 16:05	PB170067
84-74-2	Di-n-butylphthalate	68.1	U	1	68.1	240	ug/Kg	10/13/25 16:05	PB170067
206-44-0	Fluoranthene	110	J	1	42.6	240	ug/Kg	10/13/25 16:05	PB170067
129-00-0	Pyrene	110	J	1	51.2	240	ug/Kg	10/13/25 16:05	PB170067
85-68-7	Butylbenzylphthalate	100	U	1	100	240	ug/Kg	10/13/25 16:05	PB170067
91-94-1	3,3-Dichlorobenzidine	52.2	U	1	52.2	470	ug/Kg	10/13/25 16:05	PB170067
56-55-3	Benzo(a)anthracene	100	J	1	32.7	240	ug/Kg	10/13/25 16:05	PB170067
218-01-9	Chrysene	28.3	U	1	28.3	240	ug/Kg	10/13/25 16:05	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	84.1	U	1	84.1	240	ug/Kg	10/13/25 16:05	PB170067
117-84-0	Di-n-octyl phthalate	120	U	1	120	470	ug/Kg	10/13/25 16:05	PB170067
205-99-2	Benzo(b)fluoranthene	27.0	U	1	27.0	240	ug/Kg	10/13/25 16:05	PB170067
207-08-9	Benzo(k)fluoranthene	31.8	U	1	31.8	240	ug/Kg	10/13/25 16:05	PB170067
50-32-8	Benzo(a)pyrene	41.9	U	1	41.9	240	ug/Kg	10/13/25 16:05	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	41.4	U	1	41.4	240	ug/Kg	10/13/25 16:05	PB170067
53-70-3	Dibenzo(a,h)anthracene	38.9	U	1	38.9	240	ug/Kg	10/13/25 16:05	PB170067
191-24-2	Benzo(g,h,i)perylene	36.5	U	1	36.5	240	ug/Kg	10/13/25 16:05	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	36.4	U	1	36.4	240	ug/Kg	10/13/25 16:05	PB170067
123-91-1	1,4-Dioxane	64.2	U	1	64.2	240	ug/Kg	10/13/25 16:05	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	38.9	U	1	38.9	240	ug/Kg	10/13/25 16:05	PB170067

SURROGATES

367-12-4	2-Fluorophenol	87.8		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	88.6		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.2		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.0		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.9		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	39.0		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	113000
1146-65-2	Naphthalene-d8	427000
15067-26-2	Acenaphthene-d10	220000
1517-22-2	Phenanthrene-d10	335000
1719-03-5	Chrysene-d12	244000
1520-96-3	Perylene-d12	312000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	350	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J	11.9	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	70.2
Sample Wt/Vol:	30.07 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

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

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-05-0-2
Lab Sample ID: Q3323-05
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 77.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	200	U	1	200	430	ug/Kg	10/13/25 18:58	PB170067
108-95-2	Phenol	28.5	U	1	28.5	220	ug/Kg	10/13/25 18:58	PB170067
111-44-4	bis(2-Chloroethyl)ether	31.4	U	1	31.4	220	ug/Kg	10/13/25 18:58	PB170067
95-57-8	2-Chlorophenol	31.5	U	1	31.5	220	ug/Kg	10/13/25 18:58	PB170067
95-48-7	2-Methylphenol	38.6	U	1	38.6	220	ug/Kg	10/13/25 18:58	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	48.4	U	1	48.4	220	ug/Kg	10/13/25 18:58	PB170067
98-86-2	Acetophenone	38.1	U	1	38.1	220	ug/Kg	10/13/25 18:58	PB170067
65794-96-9	3+4-Methylphenols	53.0	U	1	53.0	430	ug/Kg	10/13/25 18:58	PB170067
621-64-7	n-Nitroso-di-n-propylamine	61.2	U	1	61.2	100	ug/Kg	10/13/25 18:58	PB170067
67-72-1	Hexachloroethane	22.7	U	1	22.7	220	ug/Kg	10/13/25 18:58	PB170067
98-95-3	Nitrobenzene	23.6	U	1	23.6	220	ug/Kg	10/13/25 18:58	PB170067
78-59-1	Isophorone	42.3	U	1	42.3	220	ug/Kg	10/13/25 18:58	PB170067
88-75-5	2-Nitrophenol	75.1	U	1	75.1	220	ug/Kg	10/13/25 18:58	PB170067
105-67-9	2,4-Dimethylphenol	83.6	U	1	83.6	220	ug/Kg	10/13/25 18:58	PB170067
111-91-1	bis(2-Chloroethoxy)methane	39.7	U	1	39.7	220	ug/Kg	10/13/25 18:58	PB170067
120-83-2	2,4-Dichlorophenol	36.5	U	1	36.5	220	ug/Kg	10/13/25 18:58	PB170067
91-20-3	Naphthalene	490		1	29.3	220	ug/Kg	10/13/25 18:58	PB170067
106-47-8	4-Chloroaniline	45.7	U	1	45.7	220	ug/Kg	10/13/25 18:58	PB170067
87-68-3	Hexachlorobutadiene	32.6	U	1	32.6	220	ug/Kg	10/13/25 18:58	PB170067
105-60-2	Caprolactam	67.2	U	1	67.2	430	ug/Kg	10/13/25 18:58	PB170067
59-50-7	4-Chloro-3-methylphenol	37.0	U	1	37.0	220	ug/Kg	10/13/25 18:58	PB170067
91-57-6	2-Methylnaphthalene	130	J	1	33.0	220	ug/Kg	10/13/25 18:58	PB170067
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	430	ug/Kg	10/13/25 18:58	PB170067
88-06-2	2,4,6-Trichlorophenol	25.5	U	1	25.5	220	ug/Kg	10/13/25 18:58	PB170067
95-95-4	2,4,5-Trichlorophenol	37.5	U	1	37.5	220	ug/Kg	10/13/25 18:58	PB170067
92-52-4	1,1-Biphenyl	28.1	U	1	28.1	220	ug/Kg	10/13/25 18:58	PB170067
91-58-7	2-Chloronaphthalene	29.0	U	1	29.0	220	ug/Kg	10/13/25 18:58	PB170067
88-74-4	2-Nitroaniline	62.1	U	1	62.1	220	ug/Kg	10/13/25 18:58	PB170067
131-11-3	Dimethylphthalate	35.0	U	1	35.0	220	ug/Kg	10/13/25 18:58	PB170067
208-96-8	Acenaphthylene	37.3	U	1	37.3	220	ug/Kg	10/13/25 18:58	PB170067
606-20-2	2,6-Dinitrotoluene	43.4	U	1	43.4	220	ug/Kg	10/13/25 18:58	PB170067
99-09-2	3-Nitroaniline	59.4	U	1	59.4	220	ug/Kg	10/13/25 18:58	PB170067
83-32-9	Acenaphthene	300		1	27.5	220	ug/Kg	10/13/25 18:58	PB170067
51-28-5	2,4-Dinitrophenol	300	U	1	300	430	ug/Kg	10/13/25 18:58	PB170067
100-02-7	4-Nitrophenol	140	U	1	140	430	ug/Kg	10/13/25 18:58	PB170067
132-64-9	Dibenzofuran	230		1	29.3	220	ug/Kg	10/13/25 18:58	PB170067
121-14-2	2,4-Dinitrotoluene	64.6	U	1	64.6	220	ug/Kg	10/13/25 18:58	PB170067
84-66-2	Diethylphthalate	36.5	U	1	36.5	220	ug/Kg	10/13/25 18:58	PB170067
7005-72-3	4-Chlorophenyl-phenylether	34.5	U	1	34.5	220	ug/Kg	10/13/25 18:58	PB170067
86-73-7	Fluorene	230		1	32.6	220	ug/Kg	10/13/25 18:58	PB170067
100-01-6	4-Nitroaniline	82.8	U	1	82.8	220	ug/Kg	10/13/25 18:58	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	430	ug/Kg	10/13/25 18:58	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-05-0-2
Lab Sample ID: Q3323-05
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 77.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.4	U	1	42.4	220	ug/Kg	10/13/25 18:58	PB170067
101-55-3	4-Bromophenyl-phenylether	35.9	U	1	35.9	220	ug/Kg	10/13/25 18:58	PB170067
118-74-1	Hexachlorobenzene	32.6	U	1	32.6	220	ug/Kg	10/13/25 18:58	PB170067
1912-24-9	Atrazine	43.9	U	1	43.9	220	ug/Kg	10/13/25 18:58	PB170067
87-86-5	Pentachlorophenol	66.2	U	1	66.2	430	ug/Kg	10/13/25 18:58	PB170067
85-01-8	Phenanthrene	1800		1	27.0	220	ug/Kg	10/13/25 18:58	PB170067
120-12-7	Anthracene	410		1	43.0	220	ug/Kg	10/13/25 18:58	PB170067
86-74-8	Carbazole	150	J	1	40.3	220	ug/Kg	10/13/25 18:58	PB170067
84-74-2	Di-n-butylphthalate	61.8	U	1	61.8	220	ug/Kg	10/13/25 18:58	PB170067
206-44-0	Fluoranthene	1500		1	38.7	220	ug/Kg	10/13/25 18:58	PB170067
129-00-0	Pyrene	900		1	46.4	220	ug/Kg	10/13/25 18:58	PB170067
85-68-7	Butylbenzylphthalate	92.1	U	1	92.1	220	ug/Kg	10/13/25 18:58	PB170067
91-94-1	3,3-Dichlorobenzidine	47.4	U	1	47.4	430	ug/Kg	10/13/25 18:58	PB170067
56-55-3	Benzo(a)anthracene	570		1	29.7	220	ug/Kg	10/13/25 18:58	PB170067
218-01-9	Chrysene	520		1	25.7	220	ug/Kg	10/13/25 18:58	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	76.4	U	1	76.4	220	ug/Kg	10/13/25 18:58	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	430	ug/Kg	10/13/25 18:58	PB170067
205-99-2	Benzo(b)fluoranthene	500		1	24.5	220	ug/Kg	10/13/25 18:58	PB170067
207-08-9	Benzo(k)fluoranthene	170	J	1	28.9	220	ug/Kg	10/13/25 18:58	PB170067
50-32-8	Benzo(a)pyrene	450		1	38.1	220	ug/Kg	10/13/25 18:58	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	1	37.5	220	ug/Kg	10/13/25 18:58	PB170067
53-70-3	Dibenzo(a,h)anthracene	35.4	U	1	35.4	220	ug/Kg	10/13/25 18:58	PB170067
191-24-2	Benzo(g,h,i)perylene	190	J	1	33.2	220	ug/Kg	10/13/25 18:58	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	33.0	U	1	33.0	220	ug/Kg	10/13/25 18:58	PB170067
123-91-1	1,4-Dioxane	58.3	U	1	58.3	220	ug/Kg	10/13/25 18:58	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	35.4	U	1	35.4	220	ug/Kg	10/13/25 18:58	PB170067

SURROGATES

367-12-4	2-Fluorophenol	74.7			18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	72.6			15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.0			18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.9			20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.4			10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	27.7			10 - 105	28%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000
1146-65-2	Naphthalene-d8	379000
15067-26-2	Acenaphthene-d10	181000
1517-22-2	Phenanthrene-d10	250000
1719-03-5	Chrysene-d12	234000
1520-96-3	Perylene-d12	306000

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	110	J		8.97	ug/Kg
000119-61-9	Benzophenone	280	J		10.6	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-05-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000132-65-0	Dibenzothiophene	160	J			11.3	ug/Kg		
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,	620	J			11.9	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	110	J			12.0	ug/Kg		
000203-64-5	4H-Cyclopenta[def]phenanthrene	370	J			12.0	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	150	J			12.2	ug/Kg		
000238-84-6	11H-Benzo[a]fluorene	86.4	J			13.2	ug/Kg		
000192-97-2	Benzo[e]pyrene	240	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: SED-06-0-2
Lab Sample ID: Q3323-06
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 80.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	410	ug/Kg	10/13/25 19:27	PB170067
108-95-2	Phenol	27.3	U	1	27.3	210	ug/Kg	10/13/25 19:27	PB170067
111-44-4	bis(2-Chloroethyl)ether	30.0	U	1	30.0	210	ug/Kg	10/13/25 19:27	PB170067
95-57-8	2-Chlorophenol	30.1	U	1	30.1	210	ug/Kg	10/13/25 19:27	PB170067
95-48-7	2-Methylphenol	36.9	U	1	36.9	210	ug/Kg	10/13/25 19:27	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	46.3	U	1	46.3	210	ug/Kg	10/13/25 19:27	PB170067
98-86-2	Acetophenone	36.4	U	1	36.4	210	ug/Kg	10/13/25 19:27	PB170067
65794-96-9	3+4-Methylphenols	50.8	U	1	50.8	410	ug/Kg	10/13/25 19:27	PB170067
621-64-7	n-Nitroso-di-n-propylamine	58.5	U	1	58.5	98.8	ug/Kg	10/13/25 19:27	PB170067
67-72-1	Hexachloroethane	21.7	U	1	21.7	210	ug/Kg	10/13/25 19:27	PB170067
98-95-3	Nitrobenzene	22.6	U	1	22.6	210	ug/Kg	10/13/25 19:27	PB170067
78-59-1	Isophorone	40.5	U	1	40.5	210	ug/Kg	10/13/25 19:27	PB170067
88-75-5	2-Nitrophenol	71.9	U	1	71.9	210	ug/Kg	10/13/25 19:27	PB170067
105-67-9	2,4-Dimethylphenol	80.0	U	1	80.0	210	ug/Kg	10/13/25 19:27	PB170067
111-91-1	bis(2-Chloroethoxy)methane	38.0	U	1	38.0	210	ug/Kg	10/13/25 19:27	PB170067
120-83-2	2,4-Dichlorophenol	35.0	U	1	35.0	210	ug/Kg	10/13/25 19:27	PB170067
91-20-3	Naphthalene	28.0	U	1	28.0	210	ug/Kg	10/13/25 19:27	PB170067
106-47-8	4-Chloroaniline	43.7	U	1	43.7	210	ug/Kg	10/13/25 19:27	PB170067
87-68-3	Hexachlorobutadiene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
105-60-2	Caprolactam	64.4	U	1	64.4	410	ug/Kg	10/13/25 19:27	PB170067
59-50-7	4-Chloro-3-methylphenol	35.4	U	1	35.4	210	ug/Kg	10/13/25 19:27	PB170067
91-57-6	2-Methylnaphthalene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:27	PB170067
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	410	ug/Kg	10/13/25 19:27	PB170067
88-06-2	2,4,6-Trichlorophenol	24.5	U	1	24.5	210	ug/Kg	10/13/25 19:27	PB170067
95-95-4	2,4,5-Trichlorophenol	35.9	U	1	35.9	210	ug/Kg	10/13/25 19:27	PB170067
92-52-4	1,1-Biphenyl	26.9	U	1	26.9	210	ug/Kg	10/13/25 19:27	PB170067
91-58-7	2-Chloronaphthalene	27.8	U	1	27.8	210	ug/Kg	10/13/25 19:27	PB170067
88-74-4	2-Nitroaniline	59.4	U	1	59.4	210	ug/Kg	10/13/25 19:27	PB170067
131-11-3	Dimethylphthalate	33.5	U	1	33.5	210	ug/Kg	10/13/25 19:27	PB170067
208-96-8	Acenaphthylene	35.7	U	1	35.7	210	ug/Kg	10/13/25 19:27	PB170067
606-20-2	2,6-Dinitrotoluene	41.5	U	1	41.5	210	ug/Kg	10/13/25 19:27	PB170067
99-09-2	3-Nitroaniline	56.8	U	1	56.8	210	ug/Kg	10/13/25 19:27	PB170067
83-32-9	Acenaphthene	26.3	U	1	26.3	210	ug/Kg	10/13/25 19:27	PB170067
51-28-5	2,4-Dinitrophenol	280	U	1	280	410	ug/Kg	10/13/25 19:27	PB170067
100-02-7	4-Nitrophenol	130	U	1	130	410	ug/Kg	10/13/25 19:27	PB170067
132-64-9	Dibenzofuran	28.0	U	1	28.0	210	ug/Kg	10/13/25 19:27	PB170067
121-14-2	2,4-Dinitrotoluene	61.9	U	1	61.9	210	ug/Kg	10/13/25 19:27	PB170067
84-66-2	Diethylphthalate	35.0	U	1	35.0	210	ug/Kg	10/13/25 19:27	PB170067
7005-72-3	4-Chlorophenyl-phenylether	33.0	U	1	33.0	210	ug/Kg	10/13/25 19:27	PB170067
86-73-7	Fluorene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
100-01-6	4-Nitroaniline	79.3	U	1	79.3	210	ug/Kg	10/13/25 19:27	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	410	ug/Kg	10/13/25 19:27	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-06-0-2
Lab Sample ID: Q3323-06
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 80.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	40.6	U	1	40.6	210	ug/Kg	10/13/25 19:27	PB170067
101-55-3	4-Bromophenyl-phenylether	34.3	U	1	34.3	210	ug/Kg	10/13/25 19:27	PB170067
118-74-1	Hexachlorobenzene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
1912-24-9	Atrazine	42.0	U	1	42.0	210	ug/Kg	10/13/25 19:27	PB170067
87-86-5	Pentachlorophenol	63.4	U	1	63.4	410	ug/Kg	10/13/25 19:27	PB170067
85-01-8	Phenanthrene	440		1	25.8	210	ug/Kg	10/13/25 19:27	PB170067
120-12-7	Anthracene	130	J	1	41.1	210	ug/Kg	10/13/25 19:27	PB170067
86-74-8	Carbazole	38.5	U	1	38.5	210	ug/Kg	10/13/25 19:27	PB170067
84-74-2	Di-n-butylphthalate	59.2	U	1	59.2	210	ug/Kg	10/13/25 19:27	PB170067
206-44-0	Fluoranthene	520		1	37.1	210	ug/Kg	10/13/25 19:27	PB170067
129-00-0	Pyrene	330		1	44.5	210	ug/Kg	10/13/25 19:27	PB170067
85-68-7	Butylbenzylphthalate	88.2	U	1	88.2	210	ug/Kg	10/13/25 19:27	PB170067
91-94-1	3,3-Dichlorobenzidine	45.3	U	1	45.3	410	ug/Kg	10/13/25 19:27	PB170067
56-55-3	Benzo(a)anthracene	250		1	28.4	210	ug/Kg	10/13/25 19:27	PB170067
218-01-9	Chrysene	230		1	24.6	210	ug/Kg	10/13/25 19:27	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	73.1	U	1	73.1	210	ug/Kg	10/13/25 19:27	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	410	ug/Kg	10/13/25 19:27	PB170067
205-99-2	Benzo(b)fluoranthene	260		1	23.5	210	ug/Kg	10/13/25 19:27	PB170067
207-08-9	Benzo(k)fluoranthene	82.9	J	1	27.7	210	ug/Kg	10/13/25 19:27	PB170067
50-32-8	Benzo(a)pyrene	220		1	36.4	210	ug/Kg	10/13/25 19:27	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	U	1	35.9	210	ug/Kg	10/13/25 19:27	PB170067
53-70-3	Dibenzo(a,h)anthracene	33.8	U	1	33.8	210	ug/Kg	10/13/25 19:27	PB170067
191-24-2	Benzo(g,h,i)perylene	92.5	J	1	31.7	210	ug/Kg	10/13/25 19:27	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:27	PB170067
123-91-1	1,4-Dioxane	55.8	U	1	55.8	210	ug/Kg	10/13/25 19:27	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	33.8	U	1	33.8	210	ug/Kg	10/13/25 19:27	PB170067

SURROGATES

367-12-4	2-Fluorophenol	68.7			18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	66.7			15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.3			18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7			20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.4			10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	26.4			10 - 105	26%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	112000
1146-65-2	Naphthalene-d8	409000
15067-26-2	Acenaphthene-d10	210000
1517-22-2	Phenanthrene-d10	300000
1719-03-5	Chrysene-d12	253000
1520-96-3	Perylene-d12	326000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	210	J		10.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	310	J		11.9	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-06-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	130	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: SED-07-0-2
Lab Sample ID: Q3323-07
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 81.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	410	ug/Kg	10/13/25 19:56	PB170067
108-95-2	Phenol	27.2	U	1	27.2	210	ug/Kg	10/13/25 19:56	PB170067
111-44-4	bis(2-Chloroethyl)ether	29.9	U	1	29.9	210	ug/Kg	10/13/25 19:56	PB170067
95-57-8	2-Chlorophenol	30.0	U	1	30.0	210	ug/Kg	10/13/25 19:56	PB170067
95-48-7	2-Methylphenol	36.8	U	1	36.8	210	ug/Kg	10/13/25 19:56	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	46.1	U	1	46.1	210	ug/Kg	10/13/25 19:56	PB170067
98-86-2	Acetophenone	36.3	U	1	36.3	210	ug/Kg	10/13/25 19:56	PB170067
65794-96-9	3+4-Methylphenols	50.6	U	1	50.6	410	ug/Kg	10/13/25 19:56	PB170067
621-64-7	n-Nitroso-di-n-propylamine	58.3	U	1	58.3	98.4	ug/Kg	10/13/25 19:56	PB170067
67-72-1	Hexachloroethane	21.7	U	1	21.7	210	ug/Kg	10/13/25 19:56	PB170067
98-95-3	Nitrobenzene	22.5	U	1	22.5	210	ug/Kg	10/13/25 19:56	PB170067
78-59-1	Isophorone	40.4	U	1	40.4	210	ug/Kg	10/13/25 19:56	PB170067
88-75-5	2-Nitrophenol	71.6	U	1	71.6	210	ug/Kg	10/13/25 19:56	PB170067
105-67-9	2,4-Dimethylphenol	79.7	U	1	79.7	210	ug/Kg	10/13/25 19:56	PB170067
111-91-1	bis(2-Chloroethoxy)methane	37.9	U	1	37.9	210	ug/Kg	10/13/25 19:56	PB170067
120-83-2	2,4-Dichlorophenol	34.8	U	1	34.8	210	ug/Kg	10/13/25 19:56	PB170067
91-20-3	Naphthalene	27.9	U	1	27.9	210	ug/Kg	10/13/25 19:56	PB170067
106-47-8	4-Chloroaniline	43.6	U	1	43.6	210	ug/Kg	10/13/25 19:56	PB170067
87-68-3	Hexachlorobutadiene	31.1	U	1	31.1	210	ug/Kg	10/13/25 19:56	PB170067
105-60-2	Caprolactam	64.1	U	1	64.1	410	ug/Kg	10/13/25 19:56	PB170067
59-50-7	4-Chloro-3-methylphenol	35.3	U	1	35.3	210	ug/Kg	10/13/25 19:56	PB170067
91-57-6	2-Methylnaphthalene	31.5	U	1	31.5	210	ug/Kg	10/13/25 19:56	PB170067
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	410	ug/Kg	10/13/25 19:56	PB170067
88-06-2	2,4,6-Trichlorophenol	24.4	U	1	24.4	210	ug/Kg	10/13/25 19:56	PB170067
95-95-4	2,4,5-Trichlorophenol	35.8	U	1	35.8	210	ug/Kg	10/13/25 19:56	PB170067
92-52-4	1,1-Biphenyl	26.8	U	1	26.8	210	ug/Kg	10/13/25 19:56	PB170067
91-58-7	2-Chloronaphthalene	27.7	U	1	27.7	210	ug/Kg	10/13/25 19:56	PB170067
88-74-4	2-Nitroaniline	59.2	U	1	59.2	210	ug/Kg	10/13/25 19:56	PB170067
131-11-3	Dimethylphthalate	33.3	U	1	33.3	210	ug/Kg	10/13/25 19:56	PB170067
208-96-8	Acenaphthylene	35.6	U	1	35.6	210	ug/Kg	10/13/25 19:56	PB170067
606-20-2	2,6-Dinitrotoluene	41.3	U	1	41.3	210	ug/Kg	10/13/25 19:56	PB170067
99-09-2	3-Nitroaniline	56.6	U	1	56.6	210	ug/Kg	10/13/25 19:56	PB170067
83-32-9	Acenaphthene	26.2	U	1	26.2	210	ug/Kg	10/13/25 19:56	PB170067
51-28-5	2,4-Dinitrophenol	280	U	1	280	410	ug/Kg	10/13/25 19:56	PB170067
100-02-7	4-Nitrophenol	130	U	1	130	410	ug/Kg	10/13/25 19:56	PB170067
132-64-9	Dibenzofuran	27.9	U	1	27.9	210	ug/Kg	10/13/25 19:56	PB170067
121-14-2	2,4-Dinitrotoluene	61.6	U	1	61.6	210	ug/Kg	10/13/25 19:56	PB170067
84-66-2	Diethylphthalate	34.8	U	1	34.8	210	ug/Kg	10/13/25 19:56	PB170067
7005-72-3	4-Chlorophenyl-phenylether	32.8	U	1	32.8	210	ug/Kg	10/13/25 19:56	PB170067
86-73-7	Fluorene	31.1	U	1	31.1	210	ug/Kg	10/13/25 19:56	PB170067
100-01-6	4-Nitroaniline	79.0	U	1	79.0	210	ug/Kg	10/13/25 19:56	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	410	ug/Kg	10/13/25 19:56	PB170067

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-07-0-2
Lab Sample ID: Q3323-07
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 81.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	40.5	U	1	40.5	210	ug/Kg	10/13/25 19:56	PB170067
101-55-3	4-Bromophenyl-phenylether	34.2	U	1	34.2	210	ug/Kg	10/13/25 19:56	PB170067
118-74-1	Hexachlorobenzene	31.1	U	1	31.1	210	ug/Kg	10/13/25 19:56	PB170067
1912-24-9	Atrazine	41.8	U	1	41.8	210	ug/Kg	10/13/25 19:56	PB170067
87-86-5	Pentachlorophenol	63.1	U	1	63.1	410	ug/Kg	10/13/25 19:56	PB170067
85-01-8	Phenanthrene	25.7	U	1	25.7	210	ug/Kg	10/13/25 19:56	PB170067
120-12-7	Anthracene	41.0	U	1	41.0	210	ug/Kg	10/13/25 19:56	PB170067
86-74-8	Carbazole	38.4	U	1	38.4	210	ug/Kg	10/13/25 19:56	PB170067
84-74-2	Di-n-butylphthalate	58.9	U	1	58.9	210	ug/Kg	10/13/25 19:56	PB170067
206-44-0	Fluoranthene	170	J	1	36.9	210	ug/Kg	10/13/25 19:56	PB170067
129-00-0	Pyrene	100	J	1	44.3	210	ug/Kg	10/13/25 19:56	PB170067
85-68-7	Butylbenzylphthalate	87.8	U	1	87.8	210	ug/Kg	10/13/25 19:56	PB170067
91-94-1	3,3-Dichlorobenzidine	45.2	U	1	45.2	410	ug/Kg	10/13/25 19:56	PB170067
56-55-3	Benzo(a)anthracene	86.9	J	1	28.3	210	ug/Kg	10/13/25 19:56	PB170067
218-01-9	Chrysene	24.5	U	1	24.5	210	ug/Kg	10/13/25 19:56	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	72.8	U	1	72.8	210	ug/Kg	10/13/25 19:56	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	410	ug/Kg	10/13/25 19:56	PB170067
205-99-2	Benzo(b)fluoranthene	120	J	1	23.4	210	ug/Kg	10/13/25 19:56	PB170067
207-08-9	Benzo(k)fluoranthene	27.6	U	1	27.6	210	ug/Kg	10/13/25 19:56	PB170067
50-32-8	Benzo(a)pyrene	93.8	J	1	36.3	210	ug/Kg	10/13/25 19:56	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	35.8	U	1	35.8	210	ug/Kg	10/13/25 19:56	PB170067
53-70-3	Dibenzo(a,h)anthracene	33.7	U	1	33.7	210	ug/Kg	10/13/25 19:56	PB170067
191-24-2	Benzo(g,h,i)perylene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:56	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	31.5	U	1	31.5	210	ug/Kg	10/13/25 19:56	PB170067
123-91-1	1,4-Dioxane	55.6	U	1	55.6	210	ug/Kg	10/13/25 19:56	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	33.7	U	1	33.7	210	ug/Kg	10/13/25 19:56	PB170067

SURROGATES

367-12-4	2-Fluorophenol	68.5		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	64.1		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.3		20 - 109	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	48.7		10 - 116	32%	SPK: 150
1718-51-0	Terphenyl-d14	22.3		10 - 105	22%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	96800
1146-65-2	Naphthalene-d8	347000
15067-26-2	Acenaphthene-d10	150000
1517-22-2	Phenanthrene-d10	226000
1719-03-5	Chrysene-d12	250000
1520-96-3	Perylene-d12	273000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	180	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	250	J	11.9	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-07-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.2
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

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:	Q3323	OrderDate:	10/9/2025 2:32:00 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
Q3323-01	SED-01-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-02	SED-02-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-03	SED-03-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-04	SED-04-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-05	SED-05-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-06	SED-06-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-07	SED-07-0-2	SOIL	SVOC-TCL BNA -20	8270E	10/09/25	10/13/25	10/13/25	10/09/25

Hit Summary Sheet
SW-846

SDG No.: Q3323

Order ID: Q3323

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 : SED-01-0-2								
Q3323-01	SED-01-0-2	SOIL	Aldrin	0.21	J	0.18	2.50	ug/kg
Q3323-01	SED-01-0-2	SOIL	Heptachlor epoxide	0.39	J	0.28	2.50	ug/kg
Q3323-01	SED-01-0-2	SOIL	alpha-Chlordane	0.61	JP	0.18	2.50	ug/kg
Q3323-01	SED-01-0-2	SOIL	gamma-Chlordane	0.32	J	0.22	2.50	ug/kg
Total Concentration:				1.530				
Client ID : SED-02-0-2								
Q3323-02	SED-02-0-2	SOIL	4,4-DDE	0.45	J	0.24	3.00	ug/kg
Q3323-02	SED-02-0-2	SOIL	alpha-Chlordane	0.37	J	0.21	3.00	ug/kg
Total Concentration:				0.820				
Client ID : SED-03-0-2								
Q3323-03	SED-03-0-2	SOIL	4,4-DDE	0.34	J	0.20	2.40	ug/kg
Q3323-03	SED-03-0-2	SOIL	4,4-DDD	0.71	JP	0.21	2.40	ug/kg
Total Concentration:				1.050				
Client ID : SED-07-0-2								
Q3323-07	SED-07-0-2	SOIL	4,4-DDE	0.36	J	0.17	2.10	ug/kg
Q3323-07	SED-07-0-2	SOIL	4,4-DDD	0.66	JP	0.18	2.10	ug/kg
Q3323-07	SED-07-0-2	SOIL	4,4-DDT	0.32	J	0.17	2.10	ug/kg
Q3323-07	SED-07-0-2	SOIL	alpha-Chlordane	0.71	J	0.15	2.10	ug/kg
Total Concentration:				2.050				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-01-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	66.8
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.19	U	1	0.19	2.50	ug/kg	10/14/25 12:11	PB170065
319-85-7	beta-BHC	0.27	U	1	0.27	2.50	ug/kg	10/14/25 12:11	PB170065
319-86-8	delta-BHC	0.58	U	1	0.58	2.50	ug/kg	10/14/25 12:11	PB170065
58-89-9	gamma-BHC (Lindane)	0.21	U	1	0.21	2.50	ug/kg	10/14/25 12:11	PB170065
76-44-8	Heptachlor	0.18	U	1	0.18	2.50	ug/kg	10/14/25 12:11	PB170065
309-00-2	Aldrin	0.21	J	1	0.18	2.50	ug/kg	10/14/25 12:11	PB170065
1024-57-3	Heptachlor epoxide	0.39	J	1	0.28	2.50	ug/kg	10/14/25 12:11	PB170065
959-98-8	Endosulfan I	0.21	U	1	0.21	2.50	ug/kg	10/14/25 12:11	PB170065
60-57-1	Dieldrin	0.21	U	1	0.21	2.50	ug/kg	10/14/25 12:11	PB170065
72-55-9	4,4-DDE	0.21	U	1	0.21	2.50	ug/kg	10/14/25 12:11	PB170065
72-20-8	Endrin	0.21	U	1	0.21	2.50	ug/kg	10/14/25 12:11	PB170065
33213-65-9	Endosulfan II	0.43	U	1	0.43	2.50	ug/kg	10/14/25 12:11	PB170065
72-54-8	4,4-DDD	0.22	U	1	0.22	2.50	ug/kg	10/14/25 12:11	PB170065
1031-07-8	Endosulfan Sulfate	0.19	U	1	0.19	2.50	ug/kg	10/14/25 12:11	PB170065
50-29-3	4,4-DDT	0.21	U	1	0.21	2.50	ug/kg	10/14/25 12:11	PB170065
72-43-5	Methoxychlor	0.55	U	1	0.55	2.50	ug/kg	10/14/25 12:11	PB170065
53494-70-5	Endrin ketone	0.28	U	1	0.28	2.50	ug/kg	10/14/25 12:11	PB170065
7421-93-4	Endrin aldehyde	0.55	U	1	0.55	2.50	ug/kg	10/14/25 12:11	PB170065
5103-71-9	alpha-Chlordane	0.61	JP	1	0.18	2.50	ug/kg	10/14/25 12:11	PB170065
5103-74-2	gamma-Chlordane	0.32	J	1	0.22	2.50	ug/kg	10/14/25 12:11	PB170065
8001-35-2	Toxaphene	8.10	U	1	8.10	49.3	ug/kg	10/14/25 12:11	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.7			20 - 144	64%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.7			19 - 148	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:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-02-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	57.3
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.23	U	1	0.23	3.00	ug/kg	10/14/25 12:24	PB170065
319-85-7	beta-BHC	0.31	U	1	0.31	3.00	ug/kg	10/14/25 12:24	PB170065
319-86-8	delta-BHC	0.68	U	1	0.68	3.00	ug/kg	10/14/25 12:24	PB170065
58-89-9	gamma-BHC (Lindane)	0.24	U	1	0.24	3.00	ug/kg	10/14/25 12:24	PB170065
76-44-8	Heptachlor	0.21	U	1	0.21	3.00	ug/kg	10/14/25 12:24	PB170065
309-00-2	Aldrin	0.21	U	1	0.21	3.00	ug/kg	10/14/25 12:24	PB170065
1024-57-3	Heptachlor epoxide	0.33	U	1	0.33	3.00	ug/kg	10/14/25 12:24	PB170065
959-98-8	Endosulfan I	0.24	U	1	0.24	3.00	ug/kg	10/14/25 12:24	PB170065
60-57-1	Dieldrin	0.24	U	1	0.24	3.00	ug/kg	10/14/25 12:24	PB170065
72-55-9	4,4-DDE	0.45	J	1	0.24	3.00	ug/kg	10/14/25 12:24	PB170065
72-20-8	Endrin	0.24	U	1	0.24	3.00	ug/kg	10/14/25 12:24	PB170065
33213-65-9	Endosulfan II	0.51	U	1	0.51	3.00	ug/kg	10/14/25 12:24	PB170065
72-54-8	4,4-DDD	0.26	U	1	0.26	3.00	ug/kg	10/14/25 12:24	PB170065
1031-07-8	Endosulfan Sulfate	0.23	U	1	0.23	3.00	ug/kg	10/14/25 12:24	PB170065
50-29-3	4,4-DDT	0.24	U	1	0.24	3.00	ug/kg	10/14/25 12:24	PB170065
72-43-5	Methoxychlor	0.65	U	1	0.65	3.00	ug/kg	10/14/25 12:24	PB170065
53494-70-5	Endrin ketone	0.33	U	1	0.33	3.00	ug/kg	10/14/25 12:24	PB170065
7421-93-4	Endrin aldehyde	0.65	U	1	0.65	3.00	ug/kg	10/14/25 12:24	PB170065
5103-71-9	alpha-Chlordane	0.37	J	1	0.21	3.00	ug/kg	10/14/25 12:24	PB170065
5103-74-2	gamma-Chlordane	0.26	U	1	0.26	3.00	ug/kg	10/14/25 12:24	PB170065
8001-35-2	Toxaphene	9.40	U	1	9.40	57.5	ug/kg	10/14/25 12:24	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			20 - 144	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.5			19 - 148	88%	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:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-03-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	71.6
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.18	U	1	0.18	2.40	ug/kg	10/14/25 12:38	PB170065
319-85-7	beta-BHC	0.25	U	1	0.25	2.40	ug/kg	10/14/25 12:38	PB170065
319-86-8	delta-BHC	0.54	U	1	0.54	2.40	ug/kg	10/14/25 12:38	PB170065
58-89-9	gamma-BHC (Lindane)	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:38	PB170065
76-44-8	Heptachlor	0.17	U	1	0.17	2.40	ug/kg	10/14/25 12:38	PB170065
309-00-2	Aldrin	0.17	U	1	0.17	2.40	ug/kg	10/14/25 12:38	PB170065
1024-57-3	Heptachlor epoxide	0.26	U	1	0.26	2.40	ug/kg	10/14/25 12:38	PB170065
959-98-8	Endosulfan I	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:38	PB170065
60-57-1	Dieldrin	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:38	PB170065
72-55-9	4,4-DDE	0.34	J	1	0.20	2.40	ug/kg	10/14/25 12:38	PB170065
72-20-8	Endrin	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:38	PB170065
33213-65-9	Endosulfan II	0.40	U	1	0.40	2.40	ug/kg	10/14/25 12:38	PB170065
72-54-8	4,4-DDD	0.71	JP	1	0.21	2.40	ug/kg	10/14/25 12:38	PB170065
1031-07-8	Endosulfan Sulfate	0.18	U	1	0.18	2.40	ug/kg	10/14/25 12:38	PB170065
50-29-3	4,4-DDT	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:38	PB170065
72-43-5	Methoxychlor	0.52	U	1	0.52	2.40	ug/kg	10/14/25 12:38	PB170065
53494-70-5	Endrin ketone	0.26	U	1	0.26	2.40	ug/kg	10/14/25 12:38	PB170065
7421-93-4	Endrin aldehyde	0.52	U	1	0.52	2.40	ug/kg	10/14/25 12:38	PB170065
5103-71-9	alpha-Chlordane	0.17	U	1	0.17	2.40	ug/kg	10/14/25 12:38	PB170065
5103-74-2	gamma-Chlordane	0.21	U	1	0.21	2.40	ug/kg	10/14/25 12:38	PB170065
8001-35-2	Toxaphene	7.50	U	1	7.50	46.0	ug/kg	10/14/25 12:38	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.8			20 - 144	64%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.3			19 - 148	81%	SPK: 20		

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-04-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-04		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	70.2
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.18	U	1	0.18	2.40	ug/kg	10/14/25 12:51	PB170065
319-85-7	beta-BHC	0.26	U	1	0.26	2.40	ug/kg	10/14/25 12:51	PB170065
319-86-8	delta-BHC	0.55	U	1	0.55	2.40	ug/kg	10/14/25 12:51	PB170065
58-89-9	gamma-BHC (Lindane)	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:51	PB170065
76-44-8	Heptachlor	0.17	U	1	0.17	2.40	ug/kg	10/14/25 12:51	PB170065
309-00-2	Aldrin	0.17	U	1	0.17	2.40	ug/kg	10/14/25 12:51	PB170065
1024-57-3	Heptachlor epoxide	0.27	U	1	0.27	2.40	ug/kg	10/14/25 12:51	PB170065
959-98-8	Endosulfan I	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:51	PB170065
60-57-1	Dieldrin	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:51	PB170065
72-55-9	4,4-DDE	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:51	PB170065
72-20-8	Endrin	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:51	PB170065
33213-65-9	Endosulfan II	0.41	U	1	0.41	2.40	ug/kg	10/14/25 12:51	PB170065
72-54-8	4,4-DDD	0.21	U	1	0.21	2.40	ug/kg	10/14/25 12:51	PB170065
1031-07-8	Endosulfan Sulfate	0.18	U	1	0.18	2.40	ug/kg	10/14/25 12:51	PB170065
50-29-3	4,4-DDT	0.20	U	1	0.20	2.40	ug/kg	10/14/25 12:51	PB170065
72-43-5	Methoxychlor	0.53	U	1	0.53	2.40	ug/kg	10/14/25 12:51	PB170065
53494-70-5	Endrin ketone	0.27	U	1	0.27	2.40	ug/kg	10/14/25 12:51	PB170065
7421-93-4	Endrin aldehyde	0.53	U	1	0.53	2.40	ug/kg	10/14/25 12:51	PB170065
5103-71-9	alpha-Chlordane	0.17	U	1	0.17	2.40	ug/kg	10/14/25 12:51	PB170065
5103-74-2	gamma-Chlordane	0.21	U	1	0.21	2.40	ug/kg	10/14/25 12:51	PB170065
8001-35-2	Toxaphene	7.70	U	1	7.70	46.9	ug/kg	10/14/25 12:51	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.8			20 - 144	69%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.6			19 - 148	83%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-05-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	77.4
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.17	U	1	0.17	2.20	ug/kg	10/14/25 13:04	PB170065
319-85-7	beta-BHC	0.23	U	1	0.23	2.20	ug/kg	10/14/25 13:04	PB170065
319-86-8	delta-BHC	0.50	U	1	0.50	2.20	ug/kg	10/14/25 13:04	PB170065
58-89-9	gamma-BHC (Lindane)	0.18	U	1	0.18	2.20	ug/kg	10/14/25 13:04	PB170065
76-44-8	Heptachlor	0.15	U	1	0.15	2.20	ug/kg	10/14/25 13:04	PB170065
309-00-2	Aldrin	0.15	U	1	0.15	2.20	ug/kg	10/14/25 13:04	PB170065
1024-57-3	Heptachlor epoxide	0.25	U	1	0.25	2.20	ug/kg	10/14/25 13:04	PB170065
959-98-8	Endosulfan I	0.18	U	1	0.18	2.20	ug/kg	10/14/25 13:04	PB170065
60-57-1	Dieldrin	0.18	U	1	0.18	2.20	ug/kg	10/14/25 13:04	PB170065
72-55-9	4,4-DDE	0.18	U	1	0.18	2.20	ug/kg	10/14/25 13:04	PB170065
72-20-8	Endrin	0.18	U	1	0.18	2.20	ug/kg	10/14/25 13:04	PB170065
33213-65-9	Endosulfan II	0.37	U	1	0.37	2.20	ug/kg	10/14/25 13:04	PB170065
72-54-8	4,4-DDD	0.19	U	1	0.19	2.20	ug/kg	10/14/25 13:04	PB170065
1031-07-8	Endosulfan Sulfate	0.17	U	1	0.17	2.20	ug/kg	10/14/25 13:04	PB170065
50-29-3	4,4-DDT	0.18	U	1	0.18	2.20	ug/kg	10/14/25 13:04	PB170065
72-43-5	Methoxychlor	0.48	U	1	0.48	2.20	ug/kg	10/14/25 13:04	PB170065
53494-70-5	Endrin ketone	0.25	U	1	0.25	2.20	ug/kg	10/14/25 13:04	PB170065
7421-93-4	Endrin aldehyde	0.48	U	1	0.48	2.20	ug/kg	10/14/25 13:04	PB170065
5103-71-9	alpha-Chlordane	0.15	U	1	0.15	2.20	ug/kg	10/14/25 13:04	PB170065
5103-74-2	gamma-Chlordane	0.19	U	1	0.19	2.20	ug/kg	10/14/25 13:04	PB170065
8001-35-2	Toxaphene	7.00	U	1	7.00	42.6	ug/kg	10/14/25 13:04	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	9.71			20 - 144	49%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	11.6			19 - 148	58%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

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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:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-06-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-06		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	80.8
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.16	U	1	0.16	2.10	ug/kg	10/14/25 13:18	PB170065
319-85-7	beta-BHC	0.22	U	1	0.22	2.10	ug/kg	10/14/25 13:18	PB170065
319-86-8	delta-BHC	0.48	U	1	0.48	2.10	ug/kg	10/14/25 13:18	PB170065
58-89-9	gamma-BHC (Lindane)	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:18	PB170065
76-44-8	Heptachlor	0.15	U	1	0.15	2.10	ug/kg	10/14/25 13:18	PB170065
309-00-2	Aldrin	0.15	U	1	0.15	2.10	ug/kg	10/14/25 13:18	PB170065
1024-57-3	Heptachlor epoxide	0.24	U	1	0.24	2.10	ug/kg	10/14/25 13:18	PB170065
959-98-8	Endosulfan I	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:18	PB170065
60-57-1	Dieldrin	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:18	PB170065
72-55-9	4,4-DDE	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:18	PB170065
72-20-8	Endrin	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:18	PB170065
33213-65-9	Endosulfan II	0.36	U	1	0.36	2.10	ug/kg	10/14/25 13:18	PB170065
72-54-8	4,4-DDD	0.19	U	1	0.19	2.10	ug/kg	10/14/25 13:18	PB170065
1031-07-8	Endosulfan Sulfate	0.16	U	1	0.16	2.10	ug/kg	10/14/25 13:18	PB170065
50-29-3	4,4-DDT	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:18	PB170065
72-43-5	Methoxychlor	0.46	U	1	0.46	2.10	ug/kg	10/14/25 13:18	PB170065
53494-70-5	Endrin ketone	0.24	U	1	0.24	2.10	ug/kg	10/14/25 13:18	PB170065
7421-93-4	Endrin aldehyde	0.46	U	1	0.46	2.10	ug/kg	10/14/25 13:18	PB170065
5103-71-9	alpha-Chlordane	0.15	U	1	0.15	2.10	ug/kg	10/14/25 13:18	PB170065
5103-74-2	gamma-Chlordane	0.19	U	1	0.19	2.10	ug/kg	10/14/25 13:18	PB170065
8001-35-2	Toxaphene	6.70	U	1	6.70	40.8	ug/kg	10/14/25 13:18	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	9.21			20 - 144	46%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	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:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-07-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-07		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	81.2
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.16	U	1	0.16	2.10	ug/kg	10/14/25 13:31	PB170065
319-85-7	beta-BHC	0.22	U	1	0.22	2.10	ug/kg	10/14/25 13:31	PB170065
319-86-8	delta-BHC	0.48	U	1	0.48	2.10	ug/kg	10/14/25 13:31	PB170065
58-89-9	gamma-BHC (Lindane)	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:31	PB170065
76-44-8	Heptachlor	0.15	U	1	0.15	2.10	ug/kg	10/14/25 13:31	PB170065
309-00-2	Aldrin	0.15	U	1	0.15	2.10	ug/kg	10/14/25 13:31	PB170065
1024-57-3	Heptachlor epoxide	0.23	U	1	0.23	2.10	ug/kg	10/14/25 13:31	PB170065
959-98-8	Endosulfan I	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:31	PB170065
60-57-1	Dieldrin	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:31	PB170065
72-55-9	4,4-DDE	0.36	J	1	0.17	2.10	ug/kg	10/14/25 13:31	PB170065
72-20-8	Endrin	0.17	U	1	0.17	2.10	ug/kg	10/14/25 13:31	PB170065
33213-65-9	Endosulfan II	0.36	U	1	0.36	2.10	ug/kg	10/14/25 13:31	PB170065
72-54-8	4,4-DDD	0.66	JP	1	0.18	2.10	ug/kg	10/14/25 13:31	PB170065
1031-07-8	Endosulfan Sulfate	0.16	U	1	0.16	2.10	ug/kg	10/14/25 13:31	PB170065
50-29-3	4,4-DDT	0.32	J	1	0.17	2.10	ug/kg	10/14/25 13:31	PB170065
72-43-5	Methoxychlor	0.46	U	1	0.46	2.10	ug/kg	10/14/25 13:31	PB170065
53494-70-5	Endrin ketone	0.23	U	1	0.23	2.10	ug/kg	10/14/25 13:31	PB170065
7421-93-4	Endrin aldehyde	0.46	U	1	0.46	2.10	ug/kg	10/14/25 13:31	PB170065
5103-71-9	alpha-Chlordane	0.71	J	1	0.15	2.10	ug/kg	10/14/25 13:31	PB170065
5103-74-2	gamma-Chlordane	0.18	U	1	0.18	2.10	ug/kg	10/14/25 13:31	PB170065
8001-35-2	Toxaphene	6.70	U	1	6.70	40.6	ug/kg	10/14/25 13:31	PB170065
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.9			20 - 144	64%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.1			19 - 148	80%	SPK: 20		

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() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q3323	OrderDate:	10/9/2025 2:32:00 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
Q3323-01	SED-01-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-02	SED-02-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-03	SED-03-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-04	SED-04-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-05	SED-05-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-06	SED-06-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-07	SED-07-0-2	SOIL			10/09/25			10/09/25
			PCB	8082A		10/13/25	10/13/25	
			Pesticide-TCL	8081B		10/13/25	10/14/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3323

Order ID: Q3323

Client: Langan Engineering and Environmental Services.

Project ID: Con Edison Richmond Terrace

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

Total Concentration: 0.000

A

B

C

D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-01-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-01		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	66.8
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.90	U	1	5.90	25.4	ug/kg	10/13/25 13:29	PB170064
11104-28-2	Aroclor-1221	6.00	U	1	6.00	25.4	ug/kg	10/13/25 13:29	PB170064
11141-16-5	Aroclor-1232	5.60	U	1	5.60	25.4	ug/kg	10/13/25 13:29	PB170064
53469-21-9	Aroclor-1242	6.00	U	1	6.00	25.4	ug/kg	10/13/25 13:29	PB170064
12672-29-6	Aroclor-1248	8.90	U	1	8.90	25.4	ug/kg	10/13/25 13:29	PB170064
11097-69-1	Aroclor-1254	4.80	U	1	4.80	25.4	ug/kg	10/13/25 13:29	PB170064
37324-23-5	Aroclor-1262	7.50	U	1	7.50	25.4	ug/kg	10/13/25 13:29	PB170064
11100-14-4	Aroclor-1268	5.40	U	1	5.40	25.4	ug/kg	10/13/25 13:29	PB170064
11096-82-5	Aroclor-1260	4.80	U	1	4.80	25.4	ug/kg	10/13/25 13:29	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.9			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.0			32 - 175	85%	SPK: 20		

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-02-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	57.3
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Prep Date	10/13/25
		Test:	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	6.90	U	1	6.90	29.6	ug/kg	10/13/25 13:45	PB170064
11104-28-2	Aroclor-1221	7.00	U	1	7.00	29.6	ug/kg	10/13/25 13:45	PB170064
11141-16-5	Aroclor-1232	6.50	U	1	6.50	29.6	ug/kg	10/13/25 13:45	PB170064
53469-21-9	Aroclor-1242	7.00	U	1	7.00	29.6	ug/kg	10/13/25 13:45	PB170064
12672-29-6	Aroclor-1248	10.3	U	1	10.3	29.6	ug/kg	10/13/25 13:45	PB170064
11097-69-1	Aroclor-1254	5.60	U	1	5.60	29.6	ug/kg	10/13/25 13:45	PB170064
37324-23-5	Aroclor-1262	8.80	U	1	8.80	29.6	ug/kg	10/13/25 13:45	PB170064
11100-14-4	Aroclor-1268	6.30	U	1	6.30	29.6	ug/kg	10/13/25 13:45	PB170064
11096-82-5	Aroclor-1260	5.60	U	1	5.60	29.6	ug/kg	10/13/25 13:45	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.8			32 - 144	124%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.8			32 - 175	109%	SPK: 20		

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-03-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-03		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	71.6
Sample Wt/Vol:	30.08 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.50	U	1	5.50	23.7	ug/kg	10/13/25 14:01	PB170064
11104-28-2	Aroclor-1221	5.60	U	1	5.60	23.7	ug/kg	10/13/25 14:01	PB170064
11141-16-5	Aroclor-1232	5.20	U	1	5.20	23.7	ug/kg	10/13/25 14:01	PB170064
53469-21-9	Aroclor-1242	5.60	U	1	5.60	23.7	ug/kg	10/13/25 14:01	PB170064
12672-29-6	Aroclor-1248	8.20	U	1	8.20	23.7	ug/kg	10/13/25 14:01	PB170064
11097-69-1	Aroclor-1254	4.50	U	1	4.50	23.7	ug/kg	10/13/25 14:01	PB170064
37324-23-5	Aroclor-1262	7.00	U	1	7.00	23.7	ug/kg	10/13/25 14:01	PB170064
11100-14-4	Aroclor-1268	5.00	U	1	5.00	23.7	ug/kg	10/13/25 14:01	PB170064
11096-82-5	Aroclor-1260	4.50	U	1	4.50	23.7	ug/kg	10/13/25 14:01	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.0			32 - 144	120%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.3			32 - 175	92%	SPK: 20		

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-04-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-04		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	70.2
Sample Wt/Vol:	30.07 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.60	U	1	5.60	24.2	ug/kg	10/13/25 14:17	PB170064
11104-28-2	Aroclor-1221	5.70	U	1	5.70	24.2	ug/kg	10/13/25 14:17	PB170064
11141-16-5	Aroclor-1232	5.30	U	1	5.30	24.2	ug/kg	10/13/25 14:17	PB170064
53469-21-9	Aroclor-1242	5.70	U	1	5.70	24.2	ug/kg	10/13/25 14:17	PB170064
12672-29-6	Aroclor-1248	8.40	U	1	8.40	24.2	ug/kg	10/13/25 14:17	PB170064
11097-69-1	Aroclor-1254	4.60	U	1	4.60	24.2	ug/kg	10/13/25 14:17	PB170064
37324-23-5	Aroclor-1262	7.10	U	1	7.10	24.2	ug/kg	10/13/25 14:17	PB170064
11100-14-4	Aroclor-1268	5.10	U	1	5.10	24.2	ug/kg	10/13/25 14:17	PB170064
11096-82-5	Aroclor-1260	4.60	U	1	4.60	24.2	ug/kg	10/13/25 14:17	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.7			32 - 144	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.0			32 - 175	90%	SPK: 20		

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-05-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-05		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	77.4
Sample Wt/Vol:	30.05 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.10	U	1	5.10	21.9	ug/kg	10/13/25 14:33	PB170064
11104-28-2	Aroclor-1221	5.20	U	1	5.20	21.9	ug/kg	10/13/25 14:33	PB170064
11141-16-5	Aroclor-1232	4.80	U	1	4.80	21.9	ug/kg	10/13/25 14:33	PB170064
53469-21-9	Aroclor-1242	5.20	U	1	5.20	21.9	ug/kg	10/13/25 14:33	PB170064
12672-29-6	Aroclor-1248	7.60	U	1	7.60	21.9	ug/kg	10/13/25 14:33	PB170064
11097-69-1	Aroclor-1254	4.10	U	1	4.10	21.9	ug/kg	10/13/25 14:33	PB170064
37324-23-5	Aroclor-1262	6.50	U	1	6.50	21.9	ug/kg	10/13/25 14:33	PB170064
11100-14-4	Aroclor-1268	4.60	U	1	4.60	21.9	ug/kg	10/13/25 14:33	PB170064
11096-82-5	Aroclor-1260	4.20	U	1	4.20	21.9	ug/kg	10/13/25 14:33	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	30.7	*		32 - 144	154%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.9			32 - 175	94%	SPK: 20		

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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:	10/09/25
Project:	Con Edison Richmond Terrace		Date Received:	10/09/25
Client Sample ID:	SED-06-0-2		SDG No.:	Q3323
Lab Sample ID:	Q3323-06		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	80.8
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/13/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.90	U	1	4.90	21.0	ug/kg	10/13/25 14:50	PB170064
11104-28-2	Aroclor-1221	5.00	U	1	5.00	21.0	ug/kg	10/13/25 14:50	PB170064
11141-16-5	Aroclor-1232	4.60	U	1	4.60	21.0	ug/kg	10/13/25 14:50	PB170064
53469-21-9	Aroclor-1242	5.00	U	1	5.00	21.0	ug/kg	10/13/25 14:50	PB170064
12672-29-6	Aroclor-1248	7.30	U	1	7.30	21.0	ug/kg	10/13/25 14:50	PB170064
11097-69-1	Aroclor-1254	4.00	U	1	4.00	21.0	ug/kg	10/13/25 14:50	PB170064
37324-23-5	Aroclor-1262	6.20	U	1	6.20	21.0	ug/kg	10/13/25 14:50	PB170064
11100-14-4	Aroclor-1268	4.50	U	1	4.50	21.0	ug/kg	10/13/25 14:50	PB170064
11096-82-5	Aroclor-1260	4.00	U	1	4.00	21.0	ug/kg	10/13/25 14:50	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.6			32 - 144	113%	SPK: 20		
2051-24-3	Decachlorobiphenyl	12.8			32 - 175	64%	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:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-07-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	81.2
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Prep Date	10/13/25
		Test:	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.90	U	1	4.90	20.9	ug/kg	10/13/25 15:06	PB170064
11104-28-2	Aroclor-1221	5.00	U	1	5.00	20.9	ug/kg	10/13/25 15:06	PB170064
11141-16-5	Aroclor-1232	4.60	U	1	4.60	20.9	ug/kg	10/13/25 15:06	PB170064
53469-21-9	Aroclor-1242	4.90	U	1	4.90	20.9	ug/kg	10/13/25 15:06	PB170064
12672-29-6	Aroclor-1248	7.30	U	1	7.30	20.9	ug/kg	10/13/25 15:06	PB170064
11097-69-1	Aroclor-1254	3.90	U	1	3.90	20.9	ug/kg	10/13/25 15:06	PB170064
37324-23-5	Aroclor-1262	6.20	U	1	6.20	20.9	ug/kg	10/13/25 15:06	PB170064
11100-14-4	Aroclor-1268	4.40	U	1	4.40	20.9	ug/kg	10/13/25 15:06	PB170064
11096-82-5	Aroclor-1260	4.00	U	1	4.00	20.9	ug/kg	10/13/25 15:06	PB170064
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.3			32 - 144	112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.3			32 - 175	82%	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: Q3323	OrderDate: 10/9/2025 2:32:00 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
Q3323-01	SED-01-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-02	SED-02-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-03	SED-03-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-04	SED-04-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-05	SED-05-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-06	SED-06-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
Q3323-07	SED-07-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25

Hit Summary Sheet SW-846

SDG No.: Q3323 **Order ID:** Q3323
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 : SED-01-0-2								
Q3323-01	SED-01-0-2	SOIL	Aluminum	8360		1.20	7.13	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Arsenic	25.1		0.27	1.43	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Barium	209		1.04	7.13	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Beryllium	5.02		0.036	0.43	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Cadmium	1.85		0.034	0.43	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Calcium	7460		15.8	143	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Chromium	68.8		0.067	0.71	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Cobalt	16.8		0.14	2.14	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Copper	522		0.31	1.43	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Iron	32900		5.69	7.13	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Lead	905		0.19	0.86	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Magnesium	6270		17.1	143	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Manganese	301		0.20	1.43	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Mercury	0.54		0.011	0.019	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Nickel	86.3		0.19	2.85	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Potassium	1880		39.5	143	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Selenium	2.49		0.37	1.43	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Silver	1.86		0.17	0.71	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Sodium	6480		25.4	143	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Vanadium	23.9		0.36	2.85	mg/Kg
Q3323-01	SED-01-0-2	SOIL	Zinc	1560		0.33	2.85	mg/Kg
Client ID : SED-02-0-2								
Q3323-02	SED-02-0-2	SOIL	Aluminum	16200		1.30	7.72	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Arsenic	40.0		0.29	1.54	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Barium	286		1.13	7.72	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Beryllium	34.6		0.039	0.46	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Cadmium	3.67		0.037	0.46	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Calcium	23900		17.1	154	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Chromium	92.5		0.073	0.77	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Cobalt	86.9		0.15	2.32	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Copper	2990		0.34	1.54	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Iron	92400		6.16	7.72	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Lead	1980		0.20	0.93	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Magnesium	9650		18.5	154	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Manganese	1110		0.22	1.54	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Mercury	0.19		0.012	0.021	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Nickel	509		0.20	3.09	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3323 **Order ID:** Q3323
Client: Langan Engineering and Environmental Services, Inc **Project ID:** Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3323-02	SED-02-0-2	SOIL	Potassium	2070		42.8	154	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Selenium	1.97		0.40	1.54	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Sodium	6710		27.5	154	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Vanadium	39.3		0.39	3.09	mg/Kg
Q3323-02	SED-02-0-2	SOIL	Zinc	9420	D	1.78	15.4	mg/Kg
Client ID : SED-03-0-2								
Q3323-03	SED-03-0-2	SOIL	Aluminum	6730		0.99	5.92	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Arsenic	16.8		0.23	1.18	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Barium	79.5		0.86	5.92	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Beryllium	5.15		0.030	0.36	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Cadmium	1.01		0.028	0.36	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Calcium	13200		13.1	118	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Chromium	27.1		0.056	0.59	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Cobalt	16.5		0.12	1.78	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Copper	428		0.26	1.18	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Iron	35600		4.72	5.92	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Lead	440		0.15	0.71	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Magnesium	5040		14.2	118	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Manganese	307		0.17	1.18	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Mercury	0.45		0.010	0.019	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Nickel	97.2		0.15	2.37	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Potassium	1480		32.8	118	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Selenium	0.93	J	0.31	1.18	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Sodium	3250		21.1	118	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Vanadium	51.4		0.30	2.37	mg/Kg
Q3323-03	SED-03-0-2	SOIL	Zinc	1240		0.27	2.37	mg/Kg
Client ID : SED-04-0-2								
Q3323-04	SED-04-0-2	SOIL	Aluminum	5140		0.99	5.89	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Arsenic	25.8		0.22	1.18	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Barium	83.8		0.86	5.89	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Beryllium	1.06		0.029	0.35	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Cadmium	1.39		0.028	0.35	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Calcium	31400		13.1	118	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Chromium	21.4		0.055	0.59	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Cobalt	10.1		0.12	1.77	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Copper	135		0.26	1.18	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Iron	37200		4.70	5.89	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Lead	402		0.15	0.71	mg/Kg
Q3323-04	SED-04-0-2	SOIL	Magnesium	61300		14.1	118	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3323 **Order ID:** Q3323
Client: Langan Engineering and Environmental Services, Inc **Project ID:** Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
Q3323-04	SED-04-0-2	SOIL	Manganese	1540	J	0.17	1.18	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Mercury	0.43		0.010	0.017	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Nickel	35.6		0.15	2.35	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Potassium	1740		32.6	118	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Selenium	1.14		0.31	1.18	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Sodium	5110		21.0	118	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Vanadium	24.9		0.29	2.35	mg/Kg	
Q3323-04	SED-04-0-2	SOIL	Zinc	617		0.27	2.35	mg/Kg	
Client ID : SED-05-0-2									
Q3323-05	SED-05-0-2	SOIL	Aluminum	3580	J	0.94	5.62	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Arsenic	24.8		0.21	1.12	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Barium	36.1		0.82	5.62	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Beryllium	1.19		0.028	0.34	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Cadmium	6.12		0.027	0.34	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Calcium	11200		12.5	112	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Chromium	11.3		0.053	0.56	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Cobalt	8.87		0.11	1.69	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Copper	82.2		0.25	1.12	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Iron	59300		4.48	5.62	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Lead	131		0.15	0.67	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Magnesium	9400		13.5	112	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Manganese	275		0.16	1.12	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Mercury	0.25		0.0090	0.016	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Nickel	47.6		0.15	2.25	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Potassium	1120		31.1	112	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Selenium	0.73		0.29	1.12	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Sodium	3530		20.0	112	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Vanadium	65.3		0.28	2.25	mg/Kg	
Q3323-05	SED-05-0-2	SOIL	Zinc	1150		0.26	2.25	mg/Kg	
Client ID : SED-06-0-2									
Q3323-06	SED-06-0-2	SOIL	Aluminum	4970			0.92	5.48	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Arsenic	31.2			0.21	1.10	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Barium	49.0			0.80	5.48	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Beryllium	1.99			0.027	0.33	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Cadmium	4.38			0.026	0.33	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Calcium	5050			12.2	110	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Chromium	15.1			0.051	0.55	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Cobalt	13.9			0.11	1.64	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Copper	109			0.24	1.10	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3323 **Order ID:** Q3323
Client: Langan Engineering and Environmental Services, Inc **Project ID:** Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3323-06	SED-06-0-2	SOIL	Iron	146000	D	21.9	27.4	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Lead	104		0.14	0.66	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Magnesium	5460		13.1	110	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Manganese	650		0.15	1.10	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Mercury	0.14		0.0090	0.016	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Nickel	61.1		0.14	2.19	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Potassium	1950		30.3	110	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Sodium	2370		19.5	110	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Vanadium	241		0.27	2.19	mg/Kg
Q3323-06	SED-06-0-2	SOIL	Zinc	726		0.25	2.19	mg/Kg
Client ID : SED-07-0-2								
Q3323-07	SED-07-0-2	SOIL	Aluminum	4110		0.92	5.45	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Antimony	433		0.24	2.72	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Arsenic	54.7		0.21	1.09	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Barium	34.7		0.80	5.45	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Beryllium	1.36		0.027	0.33	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Cadmium	3.85		0.026	0.33	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Calcium	5250		12.1	109	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Chromium	34.8		0.051	0.55	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Cobalt	25.0		0.11	1.63	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Copper	3120		0.24	1.09	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Iron	125000	D	21.7	27.2	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Lead	4520		0.14	0.65	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Magnesium	5770		13.1	109	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Manganese	745		0.15	1.09	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Mercury	0.64		0.0080	0.015	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Nickel	207		0.14	2.18	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Potassium	1040		30.2	109	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Sodium	3240		19.4	109	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Vanadium	387		0.27	2.18	mg/Kg
Q3323-07	SED-07-0-2	SOIL	Zinc	641		0.25	2.18	mg/Kg



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-01-0-2
Lab Sample ID: Q3323-01
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 66.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8360		1	1.20	7.13	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-36-0	Antimony	0.31	UN	1	0.31	3.56	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-38-2	Arsenic	25.1	N	1	0.27	1.43	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-39-3	Barium	209		1	1.04	7.13	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-41-7	Beryllium	5.02	N	1	0.036	0.43	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-43-9	Cadmium	1.85		1	0.034	0.43	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-70-2	Calcium	7460		1	15.8	143	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-47-3	Chromium	68.8	N	1	0.067	0.71	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-48-4	Cobalt	16.8	N	1	0.14	2.14	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-50-8	Copper	522	N	1	0.31	1.43	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7439-89-6	Iron	32900		1	5.69	7.13	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7439-92-1	Lead	905		1	0.19	0.86	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7439-95-4	Magnesium	6270		1	17.1	143	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7439-96-5	Manganese	301		1	0.20	1.43	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7439-97-6	Mercury	0.54		1	0.011	0.019	mg/Kg	10/13/25 10:50	10/13/25 14:19	7471B	
7440-02-0	Nickel	86.3		1	0.19	2.85	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-09-7	Potassium	1880		1	39.5	143	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7782-49-2	Selenium	2.49	N	1	0.37	1.43	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-22-4	Silver	1.86	N	1	0.17	0.71	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-23-5	Sodium	6480		1	25.4	143	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-28-0	Thallium	0.33	U	1	0.33	2.85	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-62-2	Vanadium	23.9	N	1	0.36	2.85	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050
7440-66-6	Zinc	1560		1	0.33	2.85	mg/Kg	10/13/25 10:40	10/13/25 15:22	6010D	SW3050

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
Project: Con Edison Richmond Terrace
Client Sample ID: SED-02-0-2
Lab Sample ID: Q3323-02
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 57.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	16200		1	1.30	7.72	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-36-0	Antimony	0.34	UN	1	0.34	3.86	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-38-2	Arsenic	40.0	N	1	0.29	1.54	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-39-3	Barium	286		1	1.13	7.72	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-41-7	Beryllium	34.6	N	1	0.039	0.46	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-43-9	Cadmium	3.67		1	0.037	0.46	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-70-2	Calcium	23900		1	17.1	154	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-47-3	Chromium	92.5	N	1	0.073	0.77	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-48-4	Cobalt	86.9	N	1	0.15	2.32	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-50-8	Copper	2990	N	1	0.34	1.54	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7439-89-6	Iron	92400		1	6.16	7.72	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7439-92-1	Lead	1980		1	0.20	0.93	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7439-95-4	Magnesium	9650		1	18.5	154	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7439-96-5	Manganese	1110		1	0.22	1.54	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7439-97-6	Mercury	0.19		1	0.012	0.021	mg/Kg	10/13/25 10:50	10/13/25 14:21	7471B	
7440-02-0	Nickel	509		1	0.20	3.09	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-09-7	Potassium	2070		1	42.8	154	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7782-49-2	Selenium	1.97	N	1	0.40	1.54	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-22-4	Silver	0.19	UN	1	0.19	0.77	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-23-5	Sodium	6710		1	27.5	154	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-28-0	Thallium	0.36	U	1	0.36	3.09	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-62-2	Vanadium	39.3	N	1	0.39	3.09	mg/Kg	10/13/25 10:40	10/13/25 15:26	6010D	SW3050
7440-66-6	Zinc	9420	D	5	1.78	15.4	mg/Kg	10/13/25 10:40	10/13/25 16:42	6010D	SW3050

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
Project: Con Edison Richmond Terrace
Client Sample ID: SED-03-0-2
Lab Sample ID: Q3323-03
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 71.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6730		1	0.99	5.92	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.96	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-38-2	Arsenic	16.8	N	1	0.23	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-39-3	Barium	79.5		1	0.86	5.92	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-41-7	Beryllium	5.15	N	1	0.030	0.36	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-43-9	Cadmium	1.01		1	0.028	0.36	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-70-2	Calcium	13200		1	13.1	118	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-47-3	Chromium	27.1	N	1	0.056	0.59	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-48-4	Cobalt	16.5	N	1	0.12	1.78	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-50-8	Copper	428	N	1	0.26	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7439-89-6	Iron	35600		1	4.72	5.92	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7439-92-1	Lead	440		1	0.15	0.71	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7439-95-4	Magnesium	5040		1	14.2	118	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7439-96-5	Manganese	307		1	0.17	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7439-97-6	Mercury	0.45		1	0.010	0.019	mg/Kg	10/13/25 10:50	10/13/25 14:24	7471B	
7440-02-0	Nickel	97.2		1	0.15	2.37	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-09-7	Potassium	1480		1	32.8	118	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7782-49-2	Selenium	0.93	JN	1	0.31	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.59	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-23-5	Sodium	3250		1	21.1	118	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.37	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-62-2	Vanadium	51.4	N	1	0.30	2.37	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050
7440-66-6	Zinc	1240		1	0.27	2.37	mg/Kg	10/13/25 10:40	10/13/25 15:31	6010D	SW3050

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
Project: Con Edison Richmond Terrace
Client Sample ID: SED-04-0-2
Lab Sample ID: Q3323-04
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 70.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5140		1	0.99	5.89	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.94	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-38-2	Arsenic	25.8	N	1	0.22	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-39-3	Barium	83.8		1	0.86	5.89	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-41-7	Beryllium	1.06	N	1	0.029	0.35	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-43-9	Cadmium	1.39		1	0.028	0.35	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-70-2	Calcium	31400		1	13.1	118	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-47-3	Chromium	21.4	N	1	0.055	0.59	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-48-4	Cobalt	10.1	N	1	0.12	1.77	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-50-8	Copper	135	N	1	0.26	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7439-89-6	Iron	37200		1	4.70	5.89	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7439-92-1	Lead	402		1	0.15	0.71	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7439-95-4	Magnesium	61300		1	14.1	118	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7439-96-5	Manganese	1540		1	0.17	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7439-97-6	Mercury	0.43		1	0.010	0.017	mg/Kg	10/13/25 10:50	10/13/25 14:32	7471B	
7440-02-0	Nickel	35.6		1	0.15	2.35	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-09-7	Potassium	1740		1	32.6	118	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7782-49-2	Selenium	1.14	JN	1	0.31	1.18	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.59	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-23-5	Sodium	5110		1	21.0	118	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.35	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-62-2	Vanadium	24.9	N	1	0.29	2.35	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050
7440-66-6	Zinc	617		1	0.27	2.35	mg/Kg	10/13/25 10:40	10/13/25 15:35	6010D	SW3050

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
Project: Con Edison Richmond Terrace
Client Sample ID: SED-05-0-2
Lab Sample ID: Q3323-05
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 77.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3580		1	0.94	5.62	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.81	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-38-2	Arsenic	24.8	N	1	0.21	1.12	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-39-3	Barium	36.1		1	0.82	5.62	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-41-7	Beryllium	1.19	N	1	0.028	0.34	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-43-9	Cadmium	6.12		1	0.027	0.34	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-70-2	Calcium	11200		1	12.5	112	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-47-3	Chromium	11.3	N	1	0.053	0.56	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-48-4	Cobalt	8.87	N	1	0.11	1.69	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-50-8	Copper	82.2	N	1	0.25	1.12	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7439-89-6	Iron	59300		1	4.48	5.62	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7439-92-1	Lead	131		1	0.15	0.67	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7439-95-4	Magnesium	9400		1	13.5	112	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7439-96-5	Manganese	275		1	0.16	1.12	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7439-97-6	Mercury	0.25		1	0.0090	0.016	mg/Kg	10/13/25 10:50	10/13/25 14:34	7471B	
7440-02-0	Nickel	47.6		1	0.15	2.25	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-09-7	Potassium	1120		1	31.1	112	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7782-49-2	Selenium	0.73	JN	1	0.29	1.12	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.56	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-23-5	Sodium	3530		1	20.0	112	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.25	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-62-2	Vanadium	65.3	N	1	0.28	2.25	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050
7440-66-6	Zinc	1150		1	0.26	2.25	mg/Kg	10/13/25 10:40	10/13/25 15:39	6010D	SW3050

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
Project: Con Edison Richmond Terrace
Client Sample ID: SED-06-0-2
Lab Sample ID: Q3323-06
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4970		1	0.92	5.48	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.74	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-38-2	Arsenic	31.2	N	1	0.21	1.10	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-39-3	Barium	49.0		1	0.80	5.48	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-41-7	Beryllium	1.99	N	1	0.027	0.33	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-43-9	Cadmium	4.38		1	0.026	0.33	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-70-2	Calcium	5050		1	12.2	110	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-47-3	Chromium	15.1	N	1	0.051	0.55	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-48-4	Cobalt	13.9	N	1	0.11	1.64	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-50-8	Copper	109	N	1	0.24	1.10	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7439-89-6	Iron	146000	D	5	21.9	27.4	mg/Kg	10/13/25 10:40	10/13/25 19:05	6010D	SW3050
7439-92-1	Lead	104		1	0.14	0.66	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7439-95-4	Magnesium	5460		1	13.1	110	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7439-96-5	Manganese	650		1	0.15	1.10	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7439-97-6	Mercury	0.14		1	0.0090	0.016	mg/Kg	10/13/25 10:50	10/13/25 14:37	7471B	
7440-02-0	Nickel	61.1		1	0.14	2.19	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-09-7	Potassium	1950		1	30.3	110	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.10	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-22-4	Silver	0.66	UDN5		0.66	2.74	mg/Kg	10/13/25 10:40	10/13/25 19:05	6010D	SW3050
7440-23-5	Sodium	2370		1	19.5	110	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.19	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-62-2	Vanadium	241	N	1	0.27	2.19	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050
7440-66-6	Zinc	726		1	0.25	2.19	mg/Kg	10/13/25 10:40	10/13/25 15:43	6010D	SW3050

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
Project: Con Edison Richmond Terrace
Client Sample ID: SED-07-0-2
Lab Sample ID: Q3323-07
Level (low/med): low

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4110		1	0.92	5.45	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-36-0	Antimony	433	N	1	0.24	2.72	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-38-2	Arsenic	54.7	N	1	0.21	1.09	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-39-3	Barium	34.7		1	0.80	5.45	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-41-7	Beryllium	1.36	N	1	0.027	0.33	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-43-9	Cadmium	3.85		1	0.026	0.33	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-70-2	Calcium	5250		1	12.1	109	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-47-3	Chromium	34.8	N	1	0.051	0.55	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-48-4	Cobalt	25.0	N	1	0.11	1.63	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-50-8	Copper	3120	N	1	0.24	1.09	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7439-89-6	Iron	125000	D	5	21.7	27.2	mg/Kg	10/13/25 10:40	10/13/25 19:09	6010D	SW3050
7439-92-1	Lead	4520		1	0.14	0.65	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7439-95-4	Magnesium	5770		1	13.1	109	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7439-96-5	Manganese	745		1	0.15	1.09	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7439-97-6	Mercury	0.64		1	0.0080	0.015	mg/Kg	10/13/25 10:50	10/13/25 14:40	7471B	
7440-02-0	Nickel	207		1	0.14	2.18	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-09-7	Potassium	1040		1	30.2	109	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.09	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.55	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-23-5	Sodium	3240		1	19.4	109	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-62-2	Vanadium	387	N	1	0.27	2.18	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050
7440-66-6	Zinc	641		1	0.25	2.18	mg/Kg	10/13/25 10:40	10/13/25 15:47	6010D	SW3050

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LAB CHRONICLE

OrderID:	Q3323	OrderDate:	10/9/2025 2:32:00 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
Q3323-01	SED-01-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	
Q3323-02	SED-02-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	
Q3323-03	SED-03-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	
Q3323-04	SED-04-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	
Q3323-05	SED-05-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	
Q3323-06	SED-06-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	
Q3323-07	SED-07-0-2	SOIL			10/09/25			10/09/25
			Mercury	7471B		10/13/25	10/13/25	
			Metals ICP-TAL	6010D		10/13/25	10/13/25	