

DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : CON EDISON RICHMOND TERRACE

LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC

300 Kimball Drive

Parsippany, NJ - 07054

Phone No: 9735604900

ORDER ID : Q3323

ATTENTION : Gregory DelMastro



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3323

Project ID : Con Edison Richmond Terrace

Client : Langan Engineering and Environmental Services, Inc

Lab Sample Number

Q3323-01
Q3323-02
Q3323-03
Q3323-04
Q3323-05
Q3323-06
Q3323-07

Client Sample Number

SED-01-0-2
SED-02-0-2
SED-03-0-2
SED-04-0-2
SED-05-0-2
SED-06-0-2
SED-07-0-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Langan Engineering and Environmental Services, Inc

Project Name: Con Edison Richmond Terrace

Project # N/A

Order ID # Q3323

Test Name: VOC-TCLVOA-10,SVOC-TCL BNA -20,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 10/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-TCL BNA -20,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL. This data package contains results for VOC-TCLVOA-10(8260D),SVOC-TCL BNA -20(8270E),PCB(8082A),Pesticide-TCL(8081B),Mercury(7471B),Metals ICP-TAL(6010D).

C. Analytical Techniques:

VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

SVOC-TCL BNA -20 : The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

Pesticide-TCL : The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df,; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df,; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

PCB : The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um; Catalogue # 7HM-G017-

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11.The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 μ m df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

Mercury, Metals ICP-TAL : The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except following

PCB : SED-05-0-2 [Tetrachloro-m-xylene(2)154%].

As per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except following

Mercury, Metals ICP-TAL : The Matrix Spike (HADLEY-ROAD-TPMS) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Cobalt, Copper, Selenium, Silver and Vanadium due to Chemical interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following

Mercury, Metals ICP-TAL : The Matrix Spike Duplicate (HADLEY-ROAD-TPMSD) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Cobalt, Selenium, Silver and Vanadium due to Chemical interference during Digestion Process.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements except following

SVOC-TCL BNA -20 : The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol, this Compounds is passing on Linear regression.

The Continuous Calibration met the requirements except following

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SVOC-TCL BNA -20 : The Continuous Calibration File ID BF143931.D met the requirements except for Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate. But associated samples have no positive hit for these compounds therefore no corrective action was taken.

PCB : The Continuous Calibration File ID PP075732.D met the requirements except for Aroclor-1260(Peak-04) is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken. AND Tetrachloro-m-xylene is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

The Continuous Calibration File ID PP075747.D met the requirements except for Decachlorobiphenyl is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met criteria for all compounds except following Mercury, Metals ICP-TAL : The Serial Dilution (HADLEY-ROAD-TPL) met criteria for all compounds except for Aluminum, Chromium, Copper, Iron, Magnesium, Manganese and Zinc due to unknown sample matrix interference.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

Mercury, Metals ICP-TAL : The Post Digest Spike (HADLEY-ROAD-TPA) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Selenium, Silver and Vanadium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Sample Q3323-06 , Silver parameter Oversaturated so its reported from its 5X Dilution.

VOC-TCLVOA-10 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3323

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/17/2025

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				

A

B

C

D



SAMPLE DATA

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.74	U	0.74	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.71	U	0.71	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	5.70	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	28.6	ug/Kg
124-48-1	Dibromochloromethane	0.99	U	0.99	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.70	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.4	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	5.70	ug/Kg
100-42-5	Styrene	0.81	U	0.81	5.70	ug/Kg
75-25-2	Bromoform	0.98	U	0.98	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.89	U	0.89	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	2.00	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	1.70	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	3.40	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.60	U	3.60	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.8		63 - 155	126%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	52.5		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		17 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	524000	7.713			
540-36-3	1,4-Difluorobenzene	1010000	8.616			
3114-55-4	Chlorobenzene-d5	1000000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	372000	13.346			
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-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

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-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

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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

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

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

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		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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-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		

U = Not Detected

LOQ = Limit of Quantitation

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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-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	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 12:51	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

MDL = Method Detection Limit

LOD = Limit of Detection

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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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-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

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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-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	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 13:18	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

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N = Presumptive Evidence of a Compound

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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-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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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
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-02	SED-02-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-03	SED-03-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-04	SED-04-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-05	SED-05-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-06	SED-06-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
			Pesticide-TCL	8081B		10/13/25	10/14/25	
Q3323-07	SED-07-0-2	SOIL	PCB	8082A	10/09/25	10/13/25	10/13/25	10/09/25
			Pesticide-TCL	8081B		10/13/25	10/14/25	



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 :								

Total Concentration: 0.000



SAMPLE DATA

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
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	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		

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:	8082A		% Solid:	57.3
Sample Wt/Vol:	30.03 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	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:
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	5.50	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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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:
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	5.60	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
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	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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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		

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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-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	Test:	PCB
	Prep Date		10/13/25

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		

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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	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		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	J	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		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	J	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

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
Level (low/med):	low	% 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	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
Level (low/med):	low	% 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	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
Level (low/med):	low	% 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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MDL = Method Detection Limit

LOD = Limit of Detection

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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.

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OR = Over Range

N = Spiked sample recovery not within control limits

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	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: **LANGAN**
ADDRESS: **1 North Broadway**
CITY: **White Plains** STATE: **NY** ZIP: **10601**
ATTENTION:
PHONE: **914-323-7414** FAX:

PROJECT NAME: **Richmond Terrace - Site 163**
PROJECT NO.: **190134901** LOCATION: **Staten Island**
PROJECT MANAGER: **Gregory DelMastro**
e-mail: **gdelmastro@langan.com**
PHONE: **914-323-7414** FAX:

BILL TO: PO#: ADDRESS: **SAME**
CITY STATE: ZIP: ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): **21** DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

VOCs (8260)
SVOCs (8270)
PAHs (8082A)
TAL Metals (6000/6000)
Pesticides (8081)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	SED-01-0-2	S	X	X	10/9	8:45	6	X	X	X	X	X	X	X	X	X		
2.	SED-02-0-2	S	X	X		9:15	6	X	X	X	X	X	X	X	X	X		
3.	SED-03-0-2	S	X	X		9:30	6	X	X	X	X	X	X	X	X	X		
4.	SED-04-0-2	S	X	X		10:30	6	X	X	X	X	X	X	X	X	X		
5.	SED-05-0-2	S	X	X		11:00	6	X	X	X	X	X	X	X	X	X		
6.	SED-06-0-2	S	X	X		11:30	6	X	X	X	X	X	X	X	X	X		
7.	SED-07-0-2	S	X	X		12:00	6	X	X	X	X	X	X	X	X	X		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 10/9/25	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
1. [Signature]		1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME: 10-9-25	RECEIVED BY:	
3. [Signature]		3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3323 LANG01

Order Date : 10/9/2025 2:32:00 PM

Project Mgr : Results only

Client Name : Langan Engineering and En

Project Name : Con Edison Richmond Terr

Report Type : Results Only ~~1000004~~

Client Contact : Gregory DelMastro

Receive DateTime : 10/9/2025 12:00:00 AM

EDD Type : Excel NY

Invoice Name : Langan Engineering and En

Purchase Order : 2044

Hard Copy Date :

Invoice Contact : Gregory DelMastro

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3323-01	SED-01-0-2	Solid	10/09/2025	08:45	VOC-TCLVOA-10		8260D	10 Bus. Days	10 Days
Q3323-02	SED-02-0-2	Solid	10/09/2025	09:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3323-03	SED-03-0-2	Solid	10/09/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3323-04	SED-04-0-2	Solid	10/09/2025	10:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3323-05	SED-05-0-2	Solid	10/09/2025	11:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3323-06	SED-06-0-2	Solid	10/09/2025	11:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3323-07	SED-07-0-2	Solid	10/09/2025	12:00	VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3323 LANG01	Order Date : 10/9/2025 2:32:00 PM	Project Mgr :
Client Name : Langan Engineering and En	Project Name : Con Edison Richmond Terr	Report Type : Results Only
Client Contact : Gregory DelMastro	Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : Langan Engineering and En	Purchase Order : ¹⁸ 20:44	Hard Copy Date :
Invoice Contact : Gregory DelMastro		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By : CR

Date / Time : 10/10/25 11:10

Received By : JK

Date / Time : 10/10/25 1110

Storage Area : VOA Refridgerator Room