

DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : MWCO CJO WTP EDISON 295110

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q3266

ATTENTION : Marcie Ann Encinas



Laboratory Certification ID # 20012



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Order ID : Q3266

Project ID : MWCO CJO WTP Edison 295110

Client : CDM Smith

Lab Sample Number

Q3266-01
Q3266-02

Client Sample Number

ENV-3-6FT
ENV-4-6FT

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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:11 pm, Oct 13, 2025

Date: 10/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

CDM Smith

Project Name: MWCO CJO WTP Edison 295110

Project # N/A

Order ID # Q3266

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

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 10/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-TCL BNA -20,EPH,Herbicide,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL. This data package contains results for VOC-TCLVOA-10(8260D), SVOC-TCL BNA -20(8270E),EPH(NJEPH),Herbicide(8151A),PCB(8082A),Pesticide-TCL(8081B),Mercury(7471B),Metals ICP-TAL(6010D).

C. Analytical Techniques:

VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_W 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. The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 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_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.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

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 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 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.

Herbicide : The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 μ m df,; Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 11324. The analysis of Herbicides was based on method 8151A and extraction was done based on method 3541.

EPH : The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 μ m df, catalog 10224. The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 μ m df, catalog 10224. The analysis of EPHs was based on method NJEPH 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

SVOC-TCL BNA -20 : ENV-3-6FT [Terphenyl-d14 - 116%], As per SOW one base surrogate allowed fail, Therefore no further corrective action was taken. ENV-3-6FTMS [Nitrobenzene-d5 - 120%, Phenol-d6 - 115%, Terphenyl-d14 - 139%] and ENV-3-6FTMSD [Nitrobenzene-d5 - 112%, Terphenyl-d14 - 127%]. Failed same surrogate in MS/MSD due to matrix interference, Therefore 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

SVOC-TCL BNA -20 : The MS {Q3266-01MS} with File ID: BF143864.D recoveries met the requirements for all compounds except for 2,6-Dinitrotoluene[132%], Recovery failed due to matrix interference, Therefore no further corrective action was taken.

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Pesticide-TCL : The MS {Q3266-01MS} with File ID: PL097503.D recoveries met the requirements for all compounds except for [Heptachlor(2)- 60%], [Methoxychlor(2)- 53%] due to matrix interference.

Herbicide : The MS {Q3266-01MS} with File ID: PS031959.D recoveries met the requirements for all compounds except for [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

Mercury, Metals ICP-TAL : The Matrix Spike (ENV-4-6FTMS) analysis met criteria for all compounds except for Antimony, Chromium, Copper, Potassium and Vanadium due to Chemical Interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following
Pesticide-TCL : The MSD {Q3266-01MSD} with File ID: PL097504.D recoveries met the requirements for all compounds except for [Heptachlor(2)- 61%] due to matrix interference.

Herbicide : The MSD {Q3266-01MSD} with File ID: PS031960.D recoveries met the requirements for all compounds except for [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

Mercury, Metals ICP-TAL : The Matrix Spike Duplicate (ENV-4-6FTMSD) analysis met criteria for all compounds except for Antimony, Cobalt, Copper, Nickel and Potassium due to Chemical Interference during Digestion process.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds except following
VOC-TCLVOA-10 : The Blank Spike for {VW1002SBS01} with File ID: VW032324.D met requirements for all compounds except for Methylene Chloride[134%]. Failing high but associated samples have no positive hit for this compound therefore no corrective action was taken.

The Blank Spike Duplicate met requirements for all compounds

The Blank Spike met requirements for all compounds except following
SVOC-TCL BNA -20 : The Blank Spike for {PB169989BS} with File ID: BP025926.D met requirements for all compounds except for 1,2,4,5-Tetrachlorobenzene[106%]. there is no positive hit for failed compound in associated samples, Therefore no further corrective action was taken.

The Blank Spike Duplicate met requirements for all compounds

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

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The Initial Calibration met the requirements except following
VOC-TCLVOA-10 : The %RSD is greater than 20% in the Initial Calibration method (82W100125S.M) for Methylene chloride, this compound is passing on Linear regression.

SVOC-TCL BNA -20 : The %RSD is greater than 20% in the Method 8270-BF092325.M for 2-Nitrophenol & 2,4-Dinitrotoluene passing on Linear regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, they are passing on Quadratic regression.

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 %RSD is greater than 20% in the Initial Calibration (Method 8270-BP091225.M) for 2,4-Dinitrophenol & 4-Nitrophenol. These Compounds are passing on Linear regression.

The Continuous Calibration met the requirements except following
SVOC-TCL BNA -20 : The Continuous Calibration File ID BF143853.D met the requirements except for 2,3,4,6-Tetrachlorophenol,2,4-Dinitrophenol,2,6-Dinitrotoluene,4-Bromophenyl-phenylether,Hexachlorobenzene,Pentachlorophenol and 2,4,6-Tribromophenol. There is no positive hit in associated samples, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025924.D met the requirements except for Benzaldehyde. There is no positive hit in associated samples, therefor no further corrective action was taken

PCB : The Continuous Calibration File ID PO114211.D met the requirements except for Aroclor-1260(Peak-04),Aroclor-1260(Peak-05) is failing in 1st column, however it is passed in 2nd 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 (ENV-4-6FTL) met criteria for all compounds except for Aluminum, Calcium, Chromium, Copper, 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 (ENV-4-6FTA) analysis met criteria for all compounds except for Potassium 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.

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 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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:13 pm, Oct 13, 2025

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 #: Q3266

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 Custody

✓

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: 10/13/2025

Hit Summary Sheet
SW-846

SDG No.: Q3266
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	ENV-3-6FT							
Q3266-01	ENV-3-6FT	SOIL	Acetone	39.5		2.00	10.6	ug/Kg
Q3266-01	ENV-3-6FT	SOIL	2-Butanone	8.20	J	2.80	10.6	ug/Kg
			Total Voc :	47.7				
			Total Concentration:	47.7				

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.3
Sample Wt/Vol:	14.74 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
VW032329.D	1	10/02/25 13:57	VW100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.48	U	0.48	2.10	ug/Kg
74-87-3	Chloromethane	0.48	U	0.48	2.10	ug/Kg
75-01-4	Vinyl Chloride	0.33	U	0.33	2.10	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	2.10	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	2.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.51	U	0.51	2.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	0.45	2.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.42	U	0.42	2.10	ug/Kg
67-64-1	Acetone	39.5		2.00	10.6	ug/Kg
75-15-0	Carbon Disulfide	0.45	U	0.45	2.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.31	U	0.31	2.10	ug/Kg
79-20-9	Methyl Acetate	0.65	U	0.65	2.10	ug/Kg
75-09-2	Methylene Chloride	1.50	UQ	1.50	4.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.36	U	0.36	2.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.34	U	0.34	2.10	ug/Kg
110-82-7	Cyclohexane	0.33	U	0.33	2.10	ug/Kg
78-93-3	2-Butanone	8.20	J	2.80	10.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.41	U	0.41	2.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.32	U	0.32	2.10	ug/Kg
74-97-5	Bromochloromethane	0.49	U	0.49	2.10	ug/Kg
67-66-3	Chloroform	0.35	U	0.35	2.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.39	U	0.39	2.10	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	0.38	2.10	ug/Kg
71-43-2	Benzene	0.33	U	0.33	2.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.33	U	0.33	2.10	ug/Kg
79-01-6	Trichloroethene	0.34	U	0.34	2.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.38	U	0.38	2.10	ug/Kg
75-27-4	Bromodichloromethane	0.33	U	0.33	2.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.50	U	1.50	10.6	ug/Kg
108-88-3	Toluene	0.33	U	0.33	2.10	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.3
Sample Wt/Vol:	14.74 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
VW032329.D	1	10/02/25 13:57	VW100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.27	U	0.27	2.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.26	U	0.26	2.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.39	U	0.39	2.10	ug/Kg
591-78-6	2-Hexanone	1.60	U	1.60	10.6	ug/Kg
124-48-1	Dibromochloromethane	0.37	U	0.37	2.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.37	U	0.37	2.10	ug/Kg
127-18-4	Tetrachloroethene	0.44	U	0.44	2.10	ug/Kg
108-90-7	Chlorobenzene	0.38	U	0.38	2.10	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	0.28	2.10	ug/Kg
179601-23-1	m/p-Xylenes	0.52	U	0.52	4.20	ug/Kg
95-47-6	o-Xylene	0.35	U	0.35	2.10	ug/Kg
100-42-5	Styrene	0.30	U	0.30	2.10	ug/Kg
75-25-2	Bromoform	0.36	U	0.36	2.10	ug/Kg
98-82-8	Isopropylbenzene	0.33	U	0.33	2.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.51	U	0.51	2.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	2.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.66	U	0.66	2.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.61	U	0.61	2.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.78	U	0.78	2.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.30	U	1.30	2.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.30	U	1.30	2.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	74.0		63 - 155	148%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		70 - 134	113%	SPK: 50
2037-26-5	Toluene-d8	54.7		74 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.965			
540-36-3	1,4-Difluorobenzene	410000	8.855			
3114-55-4	Chlorobenzene-d5	402000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.556			

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.3
Sample Wt/Vol:	14.74 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
VW032329.D	1	10/02/25 13:57	VW100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87
Sample Wt/Vol:	10.12 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
VW032330.D	1	10/02/25 14:19	VW100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.65	U	0.65	2.80	ug/Kg
74-87-3	Chloromethane	0.65	U	0.65	2.80	ug/Kg
75-01-4	Vinyl Chloride	0.45	U	0.45	2.80	ug/Kg
74-83-9	Bromomethane	0.61	U	0.61	2.80	ug/Kg
75-00-3	Chloroethane	0.72	U	0.72	2.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U	0.69	2.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.60	U	0.60	2.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.57	U	0.57	2.80	ug/Kg
67-64-1	Acetone	2.70	U	2.70	14.2	ug/Kg
75-15-0	Carbon Disulfide	0.60	U	0.60	2.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.41	U	0.41	2.80	ug/Kg
79-20-9	Methyl Acetate	0.87	U	0.87	2.80	ug/Kg
75-09-2	Methylene Chloride	2.00	UQ	2.00	5.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.49	U	0.49	2.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.45	U	0.45	2.80	ug/Kg
110-82-7	Cyclohexane	0.45	U	0.45	2.80	ug/Kg
78-93-3	2-Butanone	3.70	U	3.70	14.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.55	U	0.55	2.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.43	U	0.43	2.80	ug/Kg
74-97-5	Bromochloromethane	0.65	U	0.65	2.80	ug/Kg
67-66-3	Chloroform	0.48	U	0.48	2.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.53	U	0.53	2.80	ug/Kg
108-87-2	Methylcyclohexane	0.52	U	0.52	2.80	ug/Kg
71-43-2	Benzene	0.45	U	0.45	2.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.45	U	0.45	2.80	ug/Kg
79-01-6	Trichloroethene	0.46	U	0.46	2.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.52	2.80	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	2.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.00	U	2.00	14.2	ug/Kg
108-88-3	Toluene	0.44	U	0.44	2.80	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87
Sample Wt/Vol:	10.12 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
VW032330.D	1	10/02/25 14:19	VW100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.37	U	0.37	2.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.35	U	0.35	2.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.52	U	0.52	2.80	ug/Kg
591-78-6	2-Hexanone	2.10	U	2.10	14.2	ug/Kg
124-48-1	Dibromochloromethane	0.49	U	0.49	2.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.50	U	0.50	2.80	ug/Kg
127-18-4	Tetrachloroethene	0.60	U	0.60	2.80	ug/Kg
108-90-7	Chlorobenzene	0.52	U	0.52	2.80	ug/Kg
100-41-4	Ethyl Benzene	0.38	U	0.38	2.80	ug/Kg
179601-23-1	m/p-Xylenes	0.70	U	0.70	5.70	ug/Kg
95-47-6	o-Xylene	0.47	U	0.47	2.80	ug/Kg
100-42-5	Styrene	0.40	U	0.40	2.80	ug/Kg
75-25-2	Bromoform	0.49	U	0.49	2.80	ug/Kg
98-82-8	Isopropylbenzene	0.44	U	0.44	2.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	2.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.97	U	0.97	2.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	2.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.82	U	0.82	2.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1.00	2.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.70	U	1.70	2.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.80	U	1.80	2.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	70.0		63 - 155	140%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		70 - 134	113%	SPK: 50
2037-26-5	Toluene-d8	56.6		74 - 123	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		17 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	7.965			
540-36-3	1,4-Difluorobenzene	407000	8.855			
3114-55-4	Chlorobenzene-d5	436000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.556			

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87
Sample Wt/Vol:	10.12 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
VW032330.D	1	10/02/25 14:19	VW100225

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:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL	VOC-TCLVOA-10	8260D	10/01/25		10/02/25	10/01/25
Q3266-02	ENV-4-6FT	SOIL	VOC-TCLVOA-10	8260D	10/01/25		10/02/25	10/01/25

Hit Summary Sheet SW-846

SDG No.: Q3266
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-3-6FT								
Q3266-01	ENV-3-6FT	SOIL	Benzophenone	*	340.000	J 0	0	ug/Kg
Q3266-01	ENV-3-6FT	SOIL	Eicosyl heptafluorobutyrate	*	280.000	J 0	0	ug/Kg
Q3266-01	ENV-3-6FT	SOIL	n-Hexadecanoic acid	*	290.000	J 0	0	ug/Kg
Total Tics :					910.00			
Total Concentration:					910.00			
Client ID : ENV-4-6FT								
Q3266-02	ENV-4-6FT	SOIL	Benzophenone	*	210.000	J 0	0	ug/Kg
Q3266-02	ENV-4-6FT	SOIL	n-Hexadecanoic acid	*	390.000	J 0	0	ug/Kg
Q3266-02	ENV-4-6FT	SOIL	n-Tetracosanol-1	*	190.000	J 0	0	ug/Kg
Q3266-02	ENV-4-6FT	SOIL	Tetracosane	*	130.000	J 0	0	ug/Kg
Total Tics :					920.00			
Total Concentration:					920.00			



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143863.D	1	10/02/25 10:00	10/02/25 19:09	PB169953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	U	390	820	ug/Kg
108-95-2	Phenol	55.0	U	55.0	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.5	U	60.5	420	ug/Kg
95-57-8	2-Chlorophenol	60.7	U	60.7	420	ug/Kg
95-48-7	2-Methylphenol	74.4	U	74.4	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.3	U	93.3	420	ug/Kg
98-86-2	Acetophenone	73.4	U	73.4	420	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	820	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	200	ug/Kg
67-72-1	Hexachloroethane	43.8	U	43.8	420	ug/Kg
98-95-3	Nitrobenzene	45.5	U	45.5	420	ug/Kg
78-59-1	Isophorone	81.6	U	81.6	420	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	420	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.6	U	76.6	420	ug/Kg
120-83-2	2,4-Dichlorophenol	70.4	U	70.4	420	ug/Kg
91-20-3	Naphthalene	56.5	U	56.5	420	ug/Kg
106-47-8	4-Chloroaniline	88.1	U	88.1	420	ug/Kg
87-68-3	Hexachlorobutadiene	63.0	U	63.0	420	ug/Kg
105-60-2	Caprolactam	130	U	130	820	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.4	U	71.4	420	ug/Kg
91-57-6	2-Methylnaphthalene	63.7	U	63.7	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	820	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.3	U	49.3	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.4	U	72.4	420	ug/Kg
92-52-4	1,1-Biphenyl	54.2	U	54.2	420	ug/Kg
91-58-7	2-Chloronaphthalene	56.0	U	56.0	420	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	420	ug/Kg
131-11-3	Dimethylphthalate	67.4	U	67.4	420	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143863.D	1	10/02/25 10:00	10/02/25 19:09	PB169953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	71.9	U	71.9	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.6	U	83.6	420	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	420	ug/Kg
83-32-9	Acenaphthene	53.0	U	53.0	420	ug/Kg
51-28-5	2,4-Dinitrophenol	570	U	570	820	ug/Kg
100-02-7	4-Nitrophenol	270	U	270	820	ug/Kg
132-64-9	Dibenzofuran	56.5	U	56.5	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	420	ug/Kg
84-66-2	Diethylphthalate	70.4	U	70.4	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	66.4	U	66.4	420	ug/Kg
86-73-7	Fluorene	63.0	U	63.0	420	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	820	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.9	U	81.9	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.2	U	69.2	420	ug/Kg
118-74-1	Hexachlorobenzene	63.0	U	63.0	420	ug/Kg
1912-24-9	Atrazine	84.6	U	84.6	420	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	820	ug/Kg
85-01-8	Phenanthrene	52.0	U	52.0	420	ug/Kg
120-12-7	Anthracene	82.9	U	82.9	420	ug/Kg
86-74-8	Carbazole	77.6	U	77.6	420	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	420	ug/Kg
206-44-0	Fluoranthene	74.6	U	74.6	420	ug/Kg
129-00-0	Pyrene	89.6	U	89.6	420	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	91.3	U	91.3	820	ug/Kg
56-55-3	Benzo(a)anthracene	57.2	U	57.2	420	ug/Kg
218-01-9	Chrysene	49.5	U	49.5	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	420	ug/Kg
117-84-0	Di-n-octyl phthalate	220	U	220	820	ug/Kg
205-99-2	Benzo(b)fluoranthene	47.3	U	47.3	420	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143863.D	1	10/02/25 10:00	10/02/25 19:09	PB169953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	55.7	U	55.7	420	ug/Kg
50-32-8	Benzo(a)pyrene	73.4	U	73.4	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.4	U	72.4	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.2	U	68.2	420	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.9	U	63.9	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.7	U	63.7	420	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	68.2	U	68.2	420	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	147		18 - 112	98%	SPK: 150
13127-88-3	Phenol-d6	152		15 - 107	101%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		18 - 107	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.4		20 - 109	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		10 - 116	73%	SPK: 150
1718-51-0	Terphenyl-d14	116	*	10 - 105	116%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	126000	6.881
1146-65-2	Naphthalene-d8	481000	8.163
15067-26-2	Acenaphthene-d10	259000	9.922
1517-22-2	Phenanthrene-d10	433000	11.41
1719-03-5	Chrysene-d12	361000	14.051
1520-96-3	Perylene-d12	444000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	340	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J	11.9	ug/Kg
1000351-83-5	Eicosyl heptafluorobutyrate	280	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143863.D	1	10/02/25 10:00	10/02/25 19:09	PB169953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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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:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143899.D	1	10/06/25 09:15	10/08/25 17:07	PB169989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.4	U	25.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.9	U	27.9	200	ug/Kg
95-57-8	2-Chlorophenol	28.0	U	28.0	200	ug/Kg
95-48-7	2-Methylphenol	34.3	U	34.3	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.0	U	43.0	200	ug/Kg
98-86-2	Acetophenone	33.9	U	33.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.2	U	47.2	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.4	U	54.4	91.8	ug/Kg
67-72-1	Hexachloroethane	20.2	U	20.2	200	ug/Kg
98-95-3	Nitrobenzene	21.0	U	21.0	200	ug/Kg
78-59-1	Isophorone	37.6	U	37.6	200	ug/Kg
88-75-5	2-Nitrophenol	66.8	U	66.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.4	U	74.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.3	U	35.3	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.5	U	32.5	200	ug/Kg
91-20-3	Naphthalene	26.0	U	26.0	200	ug/Kg
106-47-8	4-Chloroaniline	40.6	U	40.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.0	U	29.0	200	ug/Kg
105-60-2	Caprolactam	59.8	U	59.8	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.9	U	32.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.4	U	29.4	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.7	U	22.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.4	U	33.4	200	ug/Kg
92-52-4	1,1-Biphenyl	25.0	U	25.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	25.8	U	25.8	200	ug/Kg
88-74-4	2-Nitroaniline	55.2	U	55.2	200	ug/Kg
131-11-3	Dimethylphthalate	31.1	U	31.1	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143899.D	1	10/06/25 09:15	10/08/25 17:07	PB169989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.2	U	33.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.6	U	38.6	200	ug/Kg
99-09-2	3-Nitroaniline	52.8	U	52.8	200	ug/Kg
83-32-9	Acenaphthene	24.4	U	24.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.0	U	26.0	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.5	U	57.5	200	ug/Kg
84-66-2	Diethylphthalate	32.5	U	32.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.6	U	30.6	200	ug/Kg
86-73-7	Fluorene	29.0	U	29.0	200	ug/Kg
100-01-6	4-Nitroaniline	73.7	U	73.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.8	U	37.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.9	U	31.9	200	ug/Kg
118-74-1	Hexachlorobenzene	29.0	U	29.0	200	ug/Kg
1912-24-9	Atrazine	39.0	U	39.0	200	ug/Kg
87-86-5	Pentachlorophenol	58.9	U	58.9	380	ug/Kg
85-01-8	Phenanthrene	24.0	U	24.0	200	ug/Kg
120-12-7	Anthracene	38.2	U	38.2	200	ug/Kg
86-74-8	Carbazole	35.8	U	35.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.0	U	55.0	200	ug/Kg
206-44-0	Fluoranthene	34.4	U	34.4	200	ug/Kg
129-00-0	Pyrene	41.3	U	41.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	81.9	U	81.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.1	U	42.1	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.4	U	26.4	200	ug/Kg
218-01-9	Chrysene	22.8	U	22.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.9	U	67.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.6	U	99.6	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.8	U	21.8	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143899.D	1	10/06/25 09:15	10/08/25 17:07	PB169989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.7	U	25.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.4	U	33.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.4	U	31.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.5	U	29.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.4	UQ	29.4	200	ug/Kg
123-91-1	1,4-Dioxane	51.9	U	51.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.4	U	31.4	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.3		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	84.4		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.4		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.4		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.6		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	56.8		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	95100	6.881			
1146-65-2	Naphthalene-d8	368000	8.163			
15067-26-2	Acenaphthene-d10	205000	9.922			
1517-22-2	Phenanthrene-d10	351000	11.41			
1719-03-5	Chrysene-d12	206000	14.057			
1520-96-3	Perylene-d12	264000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	210	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		11.9	ug/Kg
000506-51-4	n-Tetracosanol-1	190	J		13.9	ug/Kg
000646-31-1	Tetracosane	130	J		16.0	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143899.D	1	10/06/25 09:15	10/08/25 17:07	PB169989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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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:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL	SVOC-TCL BNA -20	8270E	10/01/25	10/02/25	10/02/25	10/01/25
Q3266-02	ENV-4-6FT	SOIL	SVOC-TCL BNA -20	8270E	10/01/25	10/06/25	10/08/25	10/01/25

Hit Summary Sheet
SW-846

SDG No.: Q3266

Order ID: Q3266

Client: CDM Smith

Project ID: MWCO CJO WTP Edison 295110

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-4-6FT								
Q3266-02	ENV-4-6FT	SOIL	4,4-DDE	0.85	J	0.16	2.00	ug/kg
Q3266-02	ENV-4-6FT	SOIL	Endrin	0.50	J	0.16	2.00	ug/kg
Q3266-02	ENV-4-6FT	SOIL	4,4-DDT	1.20	JP	0.16	2.00	ug/kg
Total Concentration:				2.550				

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097501.D	1	10/02/25 09:36	10/02/25 15:09	PB169952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.49	U	0.49	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	41.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.0		20 - 144	80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.7		19 - 148	58%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097501.D	1	10/02/25 09:36	10/02/25 15:09	PB169952

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097502.D	1	10/02/25 09:36	10/02/25 15:23	PB169952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.85	J	0.16	2.00	ug/kg
72-20-8	Endrin	0.50	J	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	1.20	JP	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.7		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.3		19 - 148	61%	SPK: 20

Report of Analysis

Client:	CDM Smith			Date Collected:	10/01/25	
Project:	MWCO CJO WTP Edison 295110			Date Received:	10/01/25	
Client Sample ID:	ENV-4-6FT			SDG No.:	Q3266	
Lab Sample ID:	Q3266-02			Matrix:	SOIL	
Analytical Method:	8081B			% Solid:	87	Decanted:
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097502.D	1	10/02/25 09:36	10/02/25 15:23	PB169952

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL			10/01/25			10/01/25
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/03/25	
Q3266-02	ENV-4-6FT	SOIL			10/01/25			10/01/25
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	

Hit Summary Sheet
SW-846

SDG No.: Q3266

Order ID: Q3266

Client: CDM Smith

Project ID: MWCO CJO WTP Edison 295110

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q3266-02	ENV-4-6FT ENV-4-6FT	SOIL	Aroclor-1254	18.3	J	3.70	19.5	ug/kg
Total Concentration:				18.300				

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	80.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP075548.D	1	10/02/25 10:00	10/02/25 16:01	PB169951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.2	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.2	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.2	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.2	ug/kg
12672-29-6	Aroclor-1248	7.40	U	7.40	21.2	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.2	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.2	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.2	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.6		32 - 144	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.5		32 - 175	62%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP075549.D	1	10/02/25 10:00	10/02/25 16:17	PB169951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	18.3	J	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		32 - 144	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.2		32 - 175	76%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL			10/01/25			10/01/25
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/03/25	
Q3266-02	ENV-4-6FT	SOIL			10/01/25			10/01/25
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	

Hit Summary Sheet
SW-846

A

B

C

D

SDG No.:	Q3266	Order ID:	Q3266
Client:	CDM Smith	Project ID:	MWCO CJO WTP Edison 295110

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

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031958.D	1	10/06/25 09:10	10/06/25 17:24	PB169991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	83.3	ug/Kg
120-36-5	DICHLORPROP	15.9	U	15.9	83.3	ug/Kg
94-75-7	2,4-D	11.2	U	11.2	83.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.3	U	11.3	83.3	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	83.3	ug/Kg
94-82-6	2,4-DB	30.1	U	30.1	83.3	ug/Kg
88-85-7	DINOSEB	13.4	U	13.4	83.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	324		10 - 141	65%	SPK: 500

Comments:

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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:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031961.D	1	10/06/25 09:10	10/06/25 18:37	PB169991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.9	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	76.9	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	76.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	76.9	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	76.9	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	76.9	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	76.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	386		10 - 141	77%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL			10/01/25			10/01/25
			Herbicide	8151A		10/06/25	10/06/25	
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/03/25	
Q3266-02	ENV-4-6FT	SOIL			10/01/25			10/01/25
			Herbicide	8151A		10/06/25	10/06/25	
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 20:05	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.23	J	1	0.17	1.24	mg/kg	FE056157.D
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	1	0.14	0.83	mg/kg	FE056157.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	J	1	0.16	1.24	mg/kg	FE056157.D
Aliphatic C21-C28	Aliphatic C21-C28	0.66	U	1	0.66	1.66	mg/kg	FE056157.D
Aliphatic C28-C40	Aliphatic C28-C40	6.31		1	1.47	2.49	mg/kg	FE056157.D
Aromatic C10-C12	Aromatic C10-C12	0.27	J	1	0.15	0.83	mg/kg	FD049815.D
Aromatic C12-C16	Aromatic C12-C16	2.80		1	0.29	1.24	mg/kg	FD049815.D
Aromatic C16-C21	Aromatic C16-C21	1.36	J	1	0.50	2.07	mg/kg	FD049815.D
Aromatic C21-C36	Aromatic C21-C36	1.48	U	1	1.48	3.32	mg/kg	FD049815.D
Total AliphaticEPH	Total AliphaticEPH	7.24	J		2.60	7.46	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.43	J		2.41	7.46	mg/kg	
Total EPH	Total EPH	11.7	J		5.01	14.9	mg/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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049815.D	1	10/02/25	10/03/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.27	J	0.15	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.80		0.29	1.24	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.36	J	0.50	2.07	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.48	U	1.48	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3266-01	Acq On:	03 Oct 2025 11:00
Client Sample ID:	ENV-3-6FT	Operator:	YP/AJ
Data file:	FD049815.D	Misc:	
Instrument:	FID_D	ALS Vial:	56
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.432	6.134	396631	3.23	200	ug/ml
Aromatic C12-C16	6.135	8.763	4843280	33.784	300	ug/ml
Aromatic C16-C21	8.764	13.053	2338399	16.448	500	ug/ml
Aromatic C21-C36	13.054	18.473	1604491	12.958	800	ug/ml
Aromatic EPH	4.432	18.473	9182801	66.42		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	3901319	26.13		ug/ml
2-Bromonaphthalene (SURR)	7.701	7.701	5941401	50.01		ug/ml
2-Flurobiphenyl (SURR)	8.565	8.565	4269872	50.29		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056157.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.23	J	0.17	1.24	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	0.14	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.35	J	0.16	1.24	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.66	U	0.66	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.31		1.47	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.4		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3266-01	Acq On:	02 Oct 2025 20:05
Client Sample ID:	ENV-3-6FT	Operator:	YP\AJ
Data file:	FE056157.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	389531	2.782	300	ug/ml
Aliphatic C12-C16	6.946	10.395	651876	4.25	200	ug/ml
Aliphatic C16-C21	10.396	13.772	690986	4.166	300	ug/ml
Aliphatic C21-C28	13.773	17.442	514215	3.462	400	ug/ml
Aliphatic C28-C40	17.443	22.448	10371915	76.123	600	ug/ml
Aliphatic EPH	3.311	22.448	12618523	90.783		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	3543930	25.39		ug/ml
Aliphatic C9-C28	3.311	17.442	2246608	14.66	1200	ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 20:36	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	1	0.16	1.15	mg/kg	FE056158.D
Aliphatic C12-C16	Aliphatic C12-C16	0.60	J	1	0.13	0.77	mg/kg	FE056158.D
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	1	0.15	1.15	mg/kg	FE056158.D
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	1	0.61	1.53	mg/kg	FE056158.D
Aliphatic C28-C40	Aliphatic C28-C40	7.08		1	1.35	2.29	mg/kg	FE056158.D
Aromatic C10-C12	Aromatic C10-C12	0.32	J	1	0.14	0.77	mg/kg	FD049809.D
Aromatic C12-C16	Aromatic C12-C16	0.36	J	1	0.26	1.15	mg/kg	FD049809.D
Aromatic C16-C21	Aromatic C16-C21	2.95		1	0.46	1.91	mg/kg	FD049809.D
Aromatic C21-C36	Aromatic C21-C36	8.16		1	1.37	3.06	mg/kg	FD049809.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.39	6.88	mg/kg	
Total AromaticEPH	Total AromaticEPH	11.8			2.23	6.88	mg/kg	
Total EPH	Total EPH	21.4			4.63	13.8	mg/kg	

U = Not Detected

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049809.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	J	0.14	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	J	0.26	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.95		0.46	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	8.16		1.37	3.06	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.1		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3266-02	Acq On:	02 Oct 2025 23:07
Client Sample ID:	ENV-3-6FT	Operator:	YP/AJ
Data file:	FD049809.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	508884	4.144	200	ug/ml
Aromatic C12-C16	6.132	8.759	666863	4.652	300	ug/ml
Aromatic C16-C21	8.760	13.049	5478100	38.532	500	ug/ml
Aromatic C21-C36	13.050	18.468	13205354	106.648	800	ug/ml
Aromatic EPH	4.389	18.468	19859201	153.976		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	5450117	36.51		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	5839926	49.15		ug/ml
2-Fluorobiphenyl (SURR)	8.563	8.563	4156975	48.96		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056158.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	0.16	1.15	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.60	J	0.13	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	0.15	1.15	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	0.61	1.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.08		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3266-02	Acq On:	02 Oct 2025 20:36
Client Sample ID:	ENV-3-6FT	Operator:	YP\AJ
Data file:	FE056158.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	653145	4.664	300	ug/ml
Aliphatic C12-C16	6.946	10.395	1193691	7.783	200	ug/ml
Aliphatic C16-C21	10.396	13.772	1010402	6.091	300	ug/ml
Aliphatic C21-C28	13.773	17.442	2161234	14.551	400	ug/ml
Aliphatic C28-C40	17.443	22.448	12609271	92.544	600	ug/ml
Aliphatic EPH	3.311	22.448	17627743	125.633		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	5980742	42.85		ug/ml
Aliphatic C9-C28	3.311	17.442	5018472	33.089	1200	ug/ml

LAB CHRONICLE

OrderID:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL			10/01/25			10/01/25
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/03/25	
Q3266-02	ENV-4-6FT	SOIL			10/01/25			10/01/25
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	

Hit Summary Sheet
SW-846

SDG No.: Q3266 **Order ID:** Q3266
Client: CDM Smith **Project ID:** MWCO CJO WTP Edison 295110

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-3-6FT								
Q3266-01	ENV-3-6FT	SOIL	Aluminum	14800		0.86	5.12	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Arsenic	9.51		0.20	1.02	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Barium	162		0.75	5.12	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Beryllium	0.78		0.026	0.31	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Cadmium	0.66		0.025	0.31	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Calcium	2430		11.4	102	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Chromium	24.5		0.048	0.51	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Cobalt	20.2		0.10	1.54	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Copper	60.1		0.23	1.02	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Iron	37400		4.09	5.12	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Lead	39.9		0.13	0.62	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Magnesium	5970		12.3	102	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Manganese	1410		0.14	1.02	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Mercury	0.028		0.010	0.017	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Nickel	34.8		0.13	2.05	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Potassium	1560		28.4	102	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Selenium	0.78	J	0.27	1.02	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Silver	1.23		0.12	0.51	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Sodium	198		18.2	102	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Vanadium	41.1		0.26	2.05	mg/Kg
Q3266-01	ENV-3-6FT	SOIL	Zinc	85.1		0.24	2.05	mg/Kg
Client ID : ENV-4-6FT								
Q3266-02	ENV-4-6FT	SOIL	Aluminum	13900		0.89	5.32	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Arsenic	8.06		0.20	1.06	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Barium	135		0.78	5.32	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Beryllium	1.43		0.027	0.32	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Cadmium	0.97		0.026	0.32	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Calcium	3060		11.8	106	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Chromium	23.9		0.050	0.53	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Cobalt	17.4		0.11	1.60	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Copper	53.1		0.23	1.06	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Iron	30600		4.25	5.32	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Lead	46.3		0.14	0.64	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Magnesium	6250		12.8	106	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Manganese	1210		0.15	1.06	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Mercury	0.080		0.0090	0.016	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Nickel	31.8		0.14	2.13	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q3266	Order ID:	Q3266
Client:	CDM Smith	Project ID:	MWCO CJO WTP Edison 295110

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3266-02	ENV-4-6FT	SOIL	Potassium	1780		29.5	106	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Selenium	0.81	J	0.28	1.06	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Silver	1.01		0.13	0.53	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Sodium	86.8	J	18.9	106	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Vanadium	35.7		0.27	2.13	mg/Kg
Q3266-02	ENV-4-6FT	SOIL	Zinc	87.7		0.25	2.13	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14800		1	0.86	5.12	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.56	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-38-2	Arsenic	9.51		1	0.20	1.02	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-39-3	Barium	162		1	0.75	5.12	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-41-7	Beryllium	0.78		1	0.026	0.31	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-43-9	Cadmium	0.66		1	0.025	0.31	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-70-2	Calcium	2430		1	11.4	102	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-47-3	Chromium	24.5	N	1	0.048	0.51	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-48-4	Cobalt	20.2	N	1	0.10	1.54	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-50-8	Copper	60.1	N	1	0.23	1.02	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7439-89-6	Iron	37400		1	4.09	5.12	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7439-92-1	Lead	39.9		1	0.13	0.62	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7439-95-4	Magnesium	5970		1	12.3	102	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7439-96-5	Manganese	1410		1	0.14	1.02	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7439-97-6	Mercury	0.028		1	0.010	0.017	mg/Kg	10/02/25 15:10	10/03/25 09:18	7471B	
7440-02-0	Nickel	34.8	N	1	0.13	2.05	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-09-7	Potassium	1560	N	1	28.4	102	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7782-49-2	Selenium	0.78	J	1	0.27	1.02	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-22-4	Silver	1.23		1	0.12	0.51	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-23-5	Sodium	198		1	18.2	102	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.05	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-62-2	Vanadium	41.1	N	1	0.26	2.05	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050
7440-66-6	Zinc	85.1		1	0.24	2.05	mg/Kg	10/02/25 10:15	10/03/25 16:29	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13900		1	0.89	5.32	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-38-2	Arsenic	8.06		1	0.20	1.06	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-39-3	Barium	135		1	0.78	5.32	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-41-7	Beryllium	1.43		1	0.027	0.32	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-43-9	Cadmium	0.97		1	0.026	0.32	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-70-2	Calcium	3060		1	11.8	106	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-47-3	Chromium	23.9	N	1	0.050	0.53	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-48-4	Cobalt	17.4	N	1	0.11	1.60	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-50-8	Copper	53.1	N	1	0.23	1.06	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7439-89-6	Iron	30600		1	4.25	5.32	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7439-92-1	Lead	46.3		1	0.14	0.64	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7439-95-4	Magnesium	6250		1	12.8	106	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7439-96-5	Manganese	1210		1	0.15	1.06	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7439-97-6	Mercury	0.080		1	0.0090	0.016	mg/Kg	10/02/25 15:10	10/03/25 09:26	7471B	
7440-02-0	Nickel	31.8	N	1	0.14	2.13	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-09-7	Potassium	1780	N	1	29.5	106	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7782-49-2	Selenium	0.81	J	1	0.28	1.06	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-22-4	Silver	1.01		1	0.13	0.53	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-23-5	Sodium	86.8	J	1	18.9	106	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-62-2	Vanadium	35.7	N	1	0.27	2.13	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050
7440-66-6	Zinc	87.7		1	0.25	2.13	mg/Kg	10/02/25 10:15	10/07/25 16:13	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q3266	OrderDate:	10/1/2025 3:15:00 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3266-01	ENV-3-6FT	SOIL			10/01/25			10/01/25
			Mercury	7471B		10/02/25	10/03/25	
			Metals ICP-TAL	6010D		10/02/25	10/03/25	
Q3266-02	ENV-4-6FT	SOIL			10/01/25			10/01/25
			Mercury	7471B		10/02/25	10/03/25	
			Metals ICP-TAL	6010D		10/02/25	10/07/25	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Ave., #8, 6th floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas
PHONE: 908-642-5565 FAX: 732-225-7851

PROJECT NAME: NECOGOWTPFEAS-Geotech Inv
PROJECT NO.: 295110 LOCATION: Edison, NJ
PROJECT MANAGER: David Tanzi
e-mail: TANZIDJ@cdmsmith.com
PHONE: FAX:

BILL TO: CDM SMITH PO#:
ADDRESS: 110 Fieldcrest Ave., #8, 6th floor
CITY Edison STATE: NJ ZIP:
ATTENTION: Marcie Encinas PHONE: 908-642-5565

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

☐ 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 _____

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

1. TCL VOC+10
2. TCL SVOC+20
3. TAL Metal
4. Mercury
5. PCB
6. TCL Pesticide
7. Herbicide
8. EPH
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	ENV-3 / 6ft	Soil		X	10/1/25	7:50	4	X	X	X	X	X	X	X	X		
2.	ENV-4 / 6ft	Soil		X	10/1/25	11:00	4	X	X	X	X	X	X	X	X		
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>M.H. [Signature]</u>	DATE/TIME: <u>10/1/25</u> <u>1410</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>4.7</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10/1/25</u> <u>1500</u>	RECEIVED BY: 3. <u></u>	

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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3266 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 10/1/2025 3:15:00 PM
Project Name : MWCO CJO WTP Edison 2
Receive Date Time : 10/1/2025 3:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3266-01	ENV-3-6FT	Solid	10/01/2025	07:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3266-02	ENV-4-6FT	Solid	10/01/2025	11:00					
			10/01/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	

Transfer
Stored in 25A
Bz # 02 and Exh # 06

Relinquished By : 
Date / Time : 10/1/25 1530

Received By : 
Date / Time : 10-1-25 15:35

Storage Area : VOA Refridgerator Room