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

LAB CHRONICLE

OrderID:	Q3257	**OrderDate:**	9/30/2025 2:40:01 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
Q3257-01	**ENV1-6FT**	**SOIL**			**09/30/25**			**09/30/25**
			SVOC-TCL BNA -20	8270E		10/01/25	10/01/25	
Q3257-02	**ENV2-6FT**	**SOIL**			**09/29/25**			**09/30/25**
			SVOC-TCL BNA -20	8270E		10/01/25	10/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3257

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**ENV1-6FT**								
Q3257-01	ENV1-6FT	SOIL	1-Heneicosyl formate	*	250.000	J	0	0	ug/Kg
Q3257-01	ENV1-6FT	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
Q3257-01	ENV1-6FT	SOIL	n-Hexadecanoic acid	*	680.000	J	0	0	ug/Kg
Q3257-01	ENV1-6FT	SOIL	Octadecanoic acid	*	100.000	J	0	0	ug/Kg
Q3257-01	ENV1-6FT	SOIL	Palmitoleic acid	*	300.000	J	0	0	ug/Kg
			Total Tics :		**1,510.00**				
			Total Concentration:		**1,510.00**				
Client ID :	**ENV2-6FT**								
Q3257-02	ENV2-6FT	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q3257-02	ENV2-6FT	SOIL	Butyl citrate	*	85.300	J	0	0	ug/Kg
Q3257-02	ENV2-6FT	SOIL	Hexanedioic acid, dioctyl ester	*	500.000	J	0	0	ug/Kg
Q3257-02	ENV2-6FT	SOIL	n-Hexadecanoic acid	*	570.000	J	0	0	ug/Kg
Q3257-02	ENV2-6FT	SOIL	Octadecanoic acid	*	190.000	J	0	0	ug/Kg
Q3257-02	ENV2-6FT	SOIL	Oleic Acid	*	98.600	J	0	0	ug/Kg
			Total Tics :		**1,673.90**				
			Total Concentration:		**1,673.90**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.3
Sample Wt/Vol:	30.02 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
BP025906.D	1	10/01/25 10:10	10/01/25 18:34	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.2	U	26.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.8	U	28.8	200	ug/Kg
95-57-8	2-Chlorophenol	28.9	U	28.9	200	ug/Kg
95-48-7	2-Methylphenol	35.4	U	35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.5	U	44.5	200	ug/Kg
98-86-2	Acetophenone	35.0	UQ	35.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.7	U	48.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.2	U	56.2	94.8	ug/Kg
67-72-1	Hexachloroethane	20.9	U	20.9	200	ug/Kg
98-95-3	Nitrobenzene	21.7	U	21.7	200	ug/Kg
78-59-1	Isophorone	38.9	U	38.9	200	ug/Kg
88-75-5	2-Nitrophenol	69.0	U	69.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.8	U	76.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.5	U	36.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.5	U	33.5	200	ug/Kg
91-20-3	Naphthalene	26.9	U	26.9	200	ug/Kg
106-47-8	4-Chloroaniline	42.0	U	42.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.0	UQ	30.0	200	ug/Kg
105-60-2	Caprolactam	61.8	U	61.8	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.0	U	34.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.3	U	30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.5	UQ	23.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.5	UQ	34.5	200	ug/Kg
92-52-4	1,1-Biphenyl	25.8	UQ	25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.7	UQ	26.7	200	ug/Kg
88-74-4	2-Nitroaniline	57.0	U	57.0	200	ug/Kg
131-11-3	Dimethylphthalate	32.1	U	32.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.3
Sample Wt/Vol:	30.02 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
BP025906.D	1	10/01/25 10:10	10/01/25 18:34	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.3	U	34.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.8	U	39.8	200	ug/Kg
99-09-2	3-Nitroaniline	54.5	U	54.5	200	ug/Kg
83-32-9	Acenaphthene	25.3	U	25.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.9	U	26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.4	U	59.4	200	ug/Kg
84-66-2	Diethylphthalate	33.5	U	33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.7	UQ	31.7	200	ug/Kg
86-73-7	Fluorene	30.0	U	30.0	200	ug/Kg
100-01-6	4-Nitroaniline	76.1	U	76.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.0	UQ	39.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.0	UQ	33.0	200	ug/Kg
118-74-1	Hexachlorobenzene	30.0	UQ	30.0	200	ug/Kg
1912-24-9	Atrazine	40.3	U	40.3	200	ug/Kg
87-86-5	Pentachlorophenol	60.8	U	60.8	390	ug/Kg
85-01-8	Phenanthrene	24.8	U	24.8	200	ug/Kg
120-12-7	Anthracene	39.5	U	39.5	200	ug/Kg
86-74-8	Carbazole	37.0	U	37.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.8	U	56.8	200	ug/Kg
206-44-0	Fluoranthene	35.6	U	35.6	200	ug/Kg
129-00-0	Pyrene	42.7	U	42.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	84.6	U	84.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.5	U	43.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.3	U	27.3	200	ug/Kg
218-01-9	Chrysene	23.6	U	23.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.2	U	70.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.5	U	22.5	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.3
Sample Wt/Vol:	30.02 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
BP025906.D	1	10/01/25 10:10	10/01/25 18:34	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.6	U	26.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.0	U	35.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.5	U	34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.5	U	32.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.5	U	30.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.3	UQ	30.3	200	ug/Kg
123-91-1	1,4-Dioxane	53.6	U	53.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.5	U	32.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	65.0		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	61.8		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.6		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.8		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.9		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	45.3		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	187000	7.743			
1146-65-2	Naphthalene-d8	698000	10.507			
15067-26-2	Acenaphthene-d10	448000	14.36			
1517-22-2	Phenanthrene-d10	859000	17.166			
1719-03-5	Chrysene-d12	846000	21.613			
1520-96-3	Perylene-d12	910000	24.953			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	180	J		15.7	ug/Kg
000373-49-9	Palmitoleic acid	300	J		18.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	680	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	100	J		19.4	ug/Kg
077899-03-7	1-Heneicosyl formate	250	J		21.3	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.3
Sample Wt/Vol:	30.02 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
BP025906.D	1	10/01/25 10:10	10/01/25 18:34	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025907.D	1	10/01/25 10:10	10/01/25 19:15	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.0	U	26.0	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.6	U	28.6	200	ug/Kg
95-57-8	2-Chlorophenol	28.8	U	28.8	200	ug/Kg
95-48-7	2-Methylphenol	35.2	U	35.2	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.2	U	44.2	200	ug/Kg
98-86-2	Acetophenone	34.8	UQ	34.8	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.4	U	48.4	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.9	U	55.9	94.3	ug/Kg
67-72-1	Hexachloroethane	20.7	U	20.7	200	ug/Kg
98-95-3	Nitrobenzene	21.6	U	21.6	200	ug/Kg
78-59-1	Isophorone	38.7	U	38.7	200	ug/Kg
88-75-5	2-Nitrophenol	68.6	U	68.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.4	U	76.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.3	U	36.3	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.4	U	33.4	200	ug/Kg
91-20-3	Naphthalene	26.8	U	26.8	200	ug/Kg
106-47-8	4-Chloroaniline	41.7	U	41.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.8	UQ	29.8	200	ug/Kg
105-60-2	Caprolactam	61.4	U	61.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.8	U	33.8	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.2	U	30.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.3	UQ	23.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.3	UQ	34.3	200	ug/Kg
92-52-4	1,1-Biphenyl	25.7	UQ	25.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.5	UQ	26.5	200	ug/Kg
88-74-4	2-Nitroaniline	56.7	U	56.7	200	ug/Kg
131-11-3	Dimethylphthalate	31.9	U	31.9	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025907.D	1	10/01/25 10:10	10/01/25 19:15	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.1	U	34.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.6	U	39.6	200	ug/Kg
99-09-2	3-Nitroaniline	54.2	U	54.2	200	ug/Kg
83-32-9	Acenaphthene	25.1	U	25.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.8	U	26.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.1	U	59.1	200	ug/Kg
84-66-2	Diethylphthalate	33.4	U	33.4	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.5	UQ	31.5	200	ug/Kg
86-73-7	Fluorene	29.8	U	29.8	200	ug/Kg
100-01-6	4-Nitroaniline	75.7	U	75.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.8	UQ	38.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.8	UQ	32.8	200	ug/Kg
118-74-1	Hexachlorobenzene	29.8	UQ	29.8	200	ug/Kg
1912-24-9	Atrazine	40.1	U	40.1	200	ug/Kg
87-86-5	Pentachlorophenol	60.5	U	60.5	390	ug/Kg
85-01-8	Phenanthrene	24.6	U	24.6	200	ug/Kg
120-12-7	Anthracene	39.2	U	39.2	200	ug/Kg
86-74-8	Carbazole	36.8	U	36.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.5	U	56.5	200	ug/Kg
206-44-0	Fluoranthene	35.4	U	35.4	200	ug/Kg
129-00-0	Pyrene	42.4	U	42.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	84.2	U	84.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.3	U	43.3	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.1	U	27.1	200	ug/Kg
218-01-9	Chrysene	23.5	U	23.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.8	U	69.8	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.4	U	22.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025907.D	1	10/01/25 10:10	10/01/25 19:15	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.4	U	26.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.8	U	34.8	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.3	U	34.3	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.3	U	32.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.3	U	30.3	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.2	UQ	30.2	200	ug/Kg
123-91-1	1,4-Dioxane	53.3	U	53.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.3	U	32.3	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.3		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	67.3		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.4		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.7		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	56.5		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	7.743			
1146-65-2	Naphthalene-d8	606000	10.507			
15067-26-2	Acenaphthene-d10	368000	14.354			
1517-22-2	Phenanthrene-d10	688000	17.154			
1719-03-5	Chrysene-d12	698000	21.613			
1520-96-3	Perylene-d12	789000	24.96			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	230	J		15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J		18.1	ug/Kg
000112-80-1	Oleic Acid	98.6	J		19.3	ug/Kg
000057-11-4	Octadecanoic acid	190	J		19.4	ug/Kg
000077-94-1	Butyl citrate	85.3	J		19.6	ug/Kg
000123-79-5	Hexanedioic acid, dioctyl ester	500	J		20.7	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025907.D	1	10/01/25 10:10	10/01/25 19:15	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3257

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169936BL	PB169936BL	2-Fluorophenol	150	148	99		18	112
		Phenol-d6	150	137	92		15	107
		Nitrobenzene-d5	100	84.3	84		18	107
		2-Fluorobiphenyl	100	89.9	90		20	109
		2,4,6-Tribromophenol	150	153	102		10	116
		Terphenyl-d14	100	93.4	93		10	105
PB169936BS	PB169936BS	2-Fluorophenol	150	158	105		18	112
		Phenol-d6	150	147	98		15	107
		Nitrobenzene-d5	100	90.4	90		18	107
		2-Fluorobiphenyl	100	97.5	98		20	109
		2,4,6-Tribromophenol	150	164	110		10	116
		Terphenyl-d14	100	99.0	99		10	105
Q3257-01	ENV1-6FT	2-Fluorophenol	150	65.0	43		18	112
		Phenol-d6	150	61.8	41		15	107
		Nitrobenzene-d5	100	39.6	40		18	107
		2-Fluorobiphenyl	100	40.8	41		20	109
		2,4,6-Tribromophenol	150	66.9	45		10	116
		Terphenyl-d14	100	45.3	45		10	105
Q3257-02	ENV2-6FT	2-Fluorophenol	150	69.3	46		18	112
		Phenol-d6	150	67.3	45		15	107
		Nitrobenzene-d5	100	41.4	41		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		2,4,6-Tribromophenol	150	84.7	56		10	116
		Terphenyl-d14	100	56.5	57		10	105
Q3257-02MS	ENV2-6FTMS	2-Fluorophenol	150	75.9	51		18	112
		Phenol-d6	150	75.8	51		15	107
		Nitrobenzene-d5	100	45.5	46		18	107
		2-Fluorobiphenyl	100	47.3	47		20	109
		2,4,6-Tribromophenol	150	95.7	64		10	116
		Terphenyl-d14	100	62.4	62		10	105
Q3257-02MSD	ENV2-6FTMSD	2-Fluorophenol	150	76.3	51		18	112
		Phenol-d6	150	76.0	51		15	107
		Nitrobenzene-d5	100	46.0	46		18	107
		2-Fluorobiphenyl	100	47.4	47		20	109
		2,4,6-Tribromophenol	150	94.4	63		10	116
		Terphenyl-d14	100	62.7	63		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3257 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP025908.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3257-02MS		**Client Sample ID: ENV2-6FTMS**									
Benzaldehyde	2000	0	1600	ug/Kg	80				10	171	
Phenol	2000	0	2100	ug/Kg	105				51	122	
bis(2-Chloroethyl)ether	2000	0	2000	ug/Kg	100				54	125	
2-Chlorophenol	2000	0	2100	ug/Kg	105				51	121	
2-Methylphenol	2000	0	2000	ug/Kg	100				47	125	
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85				46	119	
Acetophenone	2000	0	2300	ug/Kg	115				55	128	
3+4-Methylphenols	2000	0	1900	ug/Kg	95				49	125	
N-Nitroso-di-n-propylamine	2000	0	1800	ug/Kg	90				59	119	
Hexachloroethane	2000	0	2000	ug/Kg	100				51	116	
Nitrobenzene	2000	0	2000	ug/Kg	100				47	124	
Isophorone	2000	0	1900	ug/Kg	95				49	127	
2-Nitrophenol	2000	0	2300	ug/Kg	115				43	131	
2,4-Dimethylphenol	2000	0	2100	ug/Kg	105				63	151	
bis(2-Chloroethoxy)methane	2000	0	2000	ug/Kg	100				51	119	
2,4-Dichlorophenol	2000	0	2200	ug/Kg	110				50	122	
Naphthalene	2000	0	2100	ug/Kg	105				51	121	
4-Chloroaniline	2000	0	990	ug/Kg	50				10	100	
Hexachlorobutadiene	2000	0	2200	ug/Kg	110				44	126	
Caprolactam	2000	0	1700	ug/Kg	85				51	134	
4-Chloro-3-methylphenol	2000	0	2000	ug/Kg	100				57	132	
2-Methylnaphthalene	2000	0	2000	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	3900	0	3400	ug/Kg	87				10	175	
2,4,6-Trichlorophenol	2000	0	2400	ug/Kg	120				33	141	
2,4,5-Trichlorophenol	2000	0	2300	ug/Kg	115				38	135	
1,1-Biphenyl	2000	0	2400	ug/Kg	120				55	131	
2-Chloronaphthalene	2000	0	2200	ug/Kg	110				48	124	
2-Nitroaniline	2000	0	2100	ug/Kg	105				47	134	
Dimethylphthalate	2000	0	2100	ug/Kg	105				54	120	
Acenaphthylene	2000	0	2200	ug/Kg	110				57	125	
2,6-Dinitrotoluene	2000	0	2200	ug/Kg	110				48	127	
3-Nitroaniline	2000	0	1400	ug/Kg	70				10	112	
Acenaphthene	2000	0	2100	ug/Kg	105				70	121	
2,4-Dinitrophenol	3900	0	3200	ug/Kg	82				10	155	
4-Nitrophenol	3900	0	3600	ug/Kg	92				10	175	
Dibenzofuran	2000	0	2100	ug/Kg	105				52	114	
2,4-Dinitrotoluene	2000	0	2100	ug/Kg	105				41	140	
Diethylphthalate	2000	0	2000	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	2000	0	2100	ug/Kg	105				48	122	
Fluorene	2000	0	2100	ug/Kg	105				53	118	
4-Nitroaniline	2000	0	1900	ug/Kg	95				29	140	
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95				10	160	
N-Nitrosodiphenylamine	2000	0	2300	ug/Kg	115				73	118	
4-Bromophenyl-phenylether	2000	0	2300	ug/Kg	115				65	121	
Hexachlorobenzene	2000	0	2300	ug/Kg	115				67	118	
Atrazine	2000	0	2200	ug/Kg	110				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3257 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP025908.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	4500	ug/Kg	115				13	153	
Phenanthrene	2000	0	2100	ug/Kg	105				52	128	
Anthracene	2000	0	2200	ug/Kg	110				62	124	
Carbazole	2000	0	2100	ug/Kg	105				59	119	
Di-n-butylphthalate	2000	0	2100	ug/Kg	105				55	125	
Fluoranthene	2000	0	2000	ug/Kg	100				44	125	
Pyrene	2000	0	2200	ug/Kg	110				37	122	
Butylbenzylphthalate	2000	0	2200	ug/Kg	110				44	135	
3,3-Dichlorobenzidine	2000	0	1800	ug/Kg	90				15	112	
Benzo(a)anthracene	2000	0	2200	ug/Kg	110				53	119	
Chrysene	2000	0	2100	ug/Kg	105				57	121	
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110				42	169	
Di-n-octyl phthalate	2000	0	2200	ug/Kg	110				51	156	
Benzo(b)fluoranthene	2000	0	2200	ug/Kg	110				52	117	
Benzo(k)fluoranthene	2000	0	2100	ug/Kg	105				57	134	
Benzo(a)pyrene	2000	0	2100	ug/Kg	105				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110				40	129	
Dibenz(a,h)anthracene	2000	0	2300	ug/Kg	115				43	123	
Benzo(g,h,i)perylene	2000	0	2300	ug/Kg	115				24	125	
1,2,4,5-Tetrachlorobenzene	2000	0	2600	ug/Kg	130				52	134	
1,4-Dioxane	2000	0	1800	ug/Kg	90				46	112	
2,3,4,6-Tetrachlorophenol	2000	0	2300	ug/Kg	115				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3257 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP025909.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3257-02MSD		**Client Sample ID: ENV2-6FTMSD**									
Benzaldehyde	2000	0	1600	ug/Kg	80		0		10	171	20
Phenol	2000	0	2100	ug/Kg	105		0		51	122	20
bis(2-Chloroethyl)ether	2000	0	2000	ug/Kg	100		0		54	125	20
2-Chlorophenol	2000	0	2200	ug/Kg	110		5		51	121	20
2-Methylphenol	2000	0	2000	ug/Kg	100		0		47	125	20
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90		6		46	119	20
Acetophenone	2000	0	2300	ug/Kg	115		0		55	128	20
3+4-Methylphenols	2000	0	1900	ug/Kg	95		0		49	125	20
N-Nitroso-di-n-propylamine	2000	0	1800	ug/Kg	90		0		59	119	20
Hexachloroethane	2000	0	2100	ug/Kg	105		5		51	116	20
Nitrobenzene	2000	0	2100	ug/Kg	105		5		47	124	20
Isophorone	2000	0	2000	ug/Kg	100		5		49	127	20
2-Nitrophenol	2000	0	2300	ug/Kg	115		0		43	131	20
2,4-Dimethylphenol	2000	0	2100	ug/Kg	105		0		63	151	20
bis(2-Chloroethoxy)methane	2000	0	2000	ug/Kg	100		0		51	119	20
2,4-Dichlorophenol	2000	0	2200	ug/Kg	110		0		50	122	20
Naphthalene	2000	0	2100	ug/Kg	105		0		51	121	20
4-Chloroaniline	2000	0	1000	ug/Kg	50		0		10	100	20
Hexachlorobutadiene	2000	0	2200	ug/Kg	110		0		44	126	20
Caprolactam	2000	0	1800	ug/Kg	90		6		51	134	20
4-Chloro-3-methylphenol	2000	0	2000	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	2000	0	2000	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	3900	0	3500	ug/Kg	90		3		10	175	20
2,4,6-Trichlorophenol	2000	0	2400	ug/Kg	120		0		33	141	20
2,4,5-Trichlorophenol	2000	0	2300	ug/Kg	115		0		38	135	20
1,1-Biphenyl	2000	0	2400	ug/Kg	120		0		55	131	20
2-Chloronaphthalene	2000	0	2200	ug/Kg	110		0		48	124	20
2-Nitroaniline	2000	0	2100	ug/Kg	105		0		47	134	20
Dimethylphthalate	2000	0	2000	ug/Kg	100		5		54	120	20
Acenaphthylene	2000	0	2200	ug/Kg	110		0		57	125	20
2,6-Dinitrotoluene	2000	0	2100	ug/Kg	105		5		48	127	20
3-Nitroaniline	2000	0	1400	ug/Kg	70		0		10	112	20
Acenaphthene	2000	0	2100	ug/Kg	105		0		70	121	20
2,4-Dinitrophenol	3900	0	3200	ug/Kg	82		0		10	155	20
4-Nitrophenol	3900	0	3500	ug/Kg	90		2		10	175	20
Dibenzofuran	2000	0	2100	ug/Kg	105		0		52	114	20
2,4-Dinitrotoluene	2000	0	2100	ug/Kg	105		0		41	140	20
Diethylphthalate	2000	0	2000	ug/Kg	100		0		51	119	20
4-Chlorophenyl-phenylether	2000	0	2100	ug/Kg	105		0		48	122	20
Fluorene	2000	0	2100	ug/Kg	105		0		53	118	20
4-Nitroaniline	2000	0	1900	ug/Kg	95		0		29	140	20
4,6-Dinitro-2-methylphenol	2000	0	2000	ug/Kg	100		5		10	160	20
N-Nitrosodiphenylamine	2000	0	2300	ug/Kg	115		0		73	118	20
4-Bromophenyl-phenylether	2000	0	2400	ug/Kg	120		4		65	121	20
Hexachlorobenzene	2000	0	2400	ug/Kg	120	*	4		67	118	20
Atrazine	2000	0	2200	ug/Kg	110		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3257 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP025909.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	4500	ug/Kg	115	0			13	153	20
Phenanthrene	2000	0	2100	ug/Kg	105	0			52	128	20
Anthracene	2000	0	2100	ug/Kg	105	5			62	124	20
Carbazole	2000	0	2100	ug/Kg	105	0			59	119	20
Di-n-butylphthalate	2000	0	2100	ug/Kg	105	0			55	125	20
Fluoranthene	2000	0	2000	ug/Kg	100	0			44	125	20
Pyrene	2000	0	2300	ug/Kg	115	4			37	122	20
Butylbenzylphthalate	2000	0	2300	ug/Kg	115	4			44	135	20
3,3-Dichlorobenzidine	2000	0	1800	ug/Kg	90	0			15	112	20
Benzo(a)anthracene	2000	0	2200	ug/Kg	110	0			53	119	20
Chrysene	2000	0	2200	ug/Kg	110	5			57	121	20
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110	0			42	169	20
Di-n-octyl phthalate	2000	0	2200	ug/Kg	110	0			51	156	20
Benzo(b)fluoranthene	2000	0	2200	ug/Kg	110	0			52	117	20
Benzo(k)fluoranthene	2000	0	2100	ug/Kg	105	0			57	134	20
Benzo(a)pyrene	2000	0	2100	ug/Kg	105	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	2300	ug/Kg	115	4			40	129	20
Dibenz(a,h)anthracene	2000	0	2300	ug/Kg	115	0			43	123	20
Benzo(g,h,i)perylene	2000	0	2300	ug/Kg	115	0			24	125	20
1,2,4,5-Tetrachlorobenzene	2000	0	2600	ug/Kg	130	0			52	134	20
1,4-Dioxane	2000	0	1800	ug/Kg	90	0			46	112	20
2,3,4,6-Tetrachlorophenol	2000	0	2200	ug/Kg	110	4			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3257 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BP025903.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169936BS	Benzaldehyde	1700	1300	ug/Kg	76				10	133	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1800	ug/Kg	106		*		66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	1100	ug/Kg	65				16	100	
	Hexachlorobutadiene	1700	1800	ug/Kg	106		*		53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	165	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106		*		59	102	
	2,4,5-Trichlorophenol	1700	1800	ug/Kg	106		*		61	98	
	1,1-Biphenyl	1700	1900	ug/Kg	112		*		57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1300	ug/Kg	76				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1700	ug/Kg	100		*		58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1800	ug/Kg	106		*		71	99	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106		*		66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3257 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BP025903.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169936BS	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3400	ug/Kg	103				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	2100	ug/Kg	124		*		53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169936BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q3257

Lab File ID: BP025902.D | Lab Sample ID: PB169936BL

Instrument ID: BNA_P | Date Extracted: 10/01/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/01/2025

Level: (low/med) LOW | Time Analyzed: 15:49

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169936BS	PB169936BS	BP025903.D	10/01/2025
ENV1-6FT	Q3257-01	BP025906.D	10/01/2025
ENV2-6FT	Q3257-02	BP025907.D	10/01/2025
ENV2-6FTMS	Q3257-02MS	BP025908.D	10/01/2025
ENV2-6FTMSD	Q3257-02MSD	BP025909.D	10/01/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q3257

Lab File ID: BP025724.D DFTPP Injection Date: 09/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.8
442	Greater than 50% of mass 198	69.4
443	15.0 - 24.0% of mass 442	13.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025725.D	09/11/2025	08:56
SSTDICC005	SSTDICC005	BP025726.D	09/11/2025	09:37
SSTDICC010	SSTDICC010	BP025727.D	09/11/2025	10:18
SSTDICC020	SSTDICC020	BP025728.D	09/11/2025	10:59
SSTDICCC040	SSTDICCC040	BP025729.D	09/11/2025	12:21
SSTDICC060	SSTDICC060	BP025731.D	09/11/2025	13:43
SSTDICC080	SSTDICC080	BP025732.D	09/11/2025	14:24
SSTDICC050	SSTDICC050	BP025733.D	09/11/2025	15:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q3257

Lab File ID: BP025900.D DFTPP Injection Date: 10/01/2025

Instrument ID: BNA_P DFTPP Injection Time: 14:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	91
443	15.0 - 24.0% of mass 442	17.7 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025901.D	10/01/2025	15:08
PB169936BL	PB169936BL	BP025902.D	10/01/2025	15:49
PB169936BS	PB169936BS	BP025903.D	10/01/2025	16:30
ENV1-6FT	Q3257-01	BP025906.D	10/01/2025	18:34
ENV2-6FT	Q3257-02	BP025907.D	10/01/2025	19:15
ENV2-6FTMS	Q3257-02MS	BP025908.D	10/01/2025	19:56
ENV2-6FTMSD	Q3257-02MSD	BP025909.D	10/01/2025	20:37

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3257

Client ID : SSTDCCC040 Date Analyzed: 10/01/2025

Lab File ID: BP025901.D Time Analyzed: 15:08

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	258166	7.743	968218	10.51	591980	14.35
	UPPER LIMIT	516332	8.243	1936440	11.007	1183960	14.854
	LOWER LIMIT	129083	7.243	484109	10.007	295990	13.854
	EPA SAMPLE NO.						
01	PB169936BL	202580	7.74	767867	10.51	474978	14.35
02	PB169936BS	169775	7.74	639814	10.51	385179	14.35
03	ENV1-6FT	186501	7.74	697594	10.51	448490	14.36
04	ENV2-6FT	163453	7.74	606018	10.51	367641	14.35
05	ENV2-6FTMS	185964	7.74	701384	10.50	422242	14.35
06	ENV2-6FTMSD	179543	7.74	674815	10.51	411036	14.36

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3257

Client ID: SSTDCCC040 Date Analyzed: 10/01/2025

Lab File ID: BP025901.D Time Analyzed: 15:08

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1152880	17.16	1139360	21.601	1283530	24.942
	UPPER LIMIT	2305760	17.66	2278720	22.101	2567060	25.442
	LOWER LIMIT	576440	16.66	569680	21.101	641765	24.442
	EPA SAMPLE NO.						
01	PB169936BL	939544	17.16	929664	21.61	989236	24.96
02	PB169936BS	734512	17.15	724379	21.60	789585	24.95
03	ENV1-6FT	858512	17.17	845751	21.61	909638	24.95
04	ENV2-6FT	687637	17.15	698335	21.61	789165	24.96
05	ENV2-6FTMS	814890	17.14	768586	21.60	893115	24.95
06	ENV2-6FTMSD	774966	17.17	702108	21.61	811885	24.94

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169936BL	SDG No.:	Q3257
Lab Sample ID:	PB169936BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 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
BP025902.D	1	10/01/25 10:10	10/01/25 15:49	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	MWCO CJO WTP Edison 295110			Date Received:	
Client Sample ID:	PB169936BL			SDG No.:	Q3257
Lab Sample ID:	PB169936BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	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
BP025902.D	1	10/01/25 10:10	10/01/25 15:49	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	MWCO CJO WTP Edison 295110			Date Received:	
Client Sample ID:	PB169936BL			SDG No.:	Q3257
Lab Sample ID:	PB169936BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	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
BP025902.D	1	10/01/25 10:10	10/01/25 15:49	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		18 - 112	99%	SPK: 150
13127-88-3	Phenol-d6	137		15 - 107	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.9		20 - 109	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		10 - 116	102%	SPK: 150
1718-51-0	Terphenyl-d14	93.4		10 - 105	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	203000	7.743			
1146-65-2	Naphthalene-d8	768000	10.507			
15067-26-2	Acenaphthene-d10	475000	14.354			
1517-22-2	Phenanthrene-d10	940000	17.16			
1719-03-5	Chrysene-d12	930000	21.613			
1520-96-3	Perylene-d12	989000	24.96			
TENTATIVE IDENTIFIED COMPOUNDS						
000646-31-1	Tetracosane	330	J		20.6	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	MWCO CJO WTP Edison 295110			Date Received:	
Client Sample ID:	PB169936BL			SDG No.:	Q3257
Lab Sample ID:	PB169936BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	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
BP025902.D	1	10/01/25 10:10	10/01/25 15:49	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169936BS	SDG No.:	Q3257
Lab Sample ID:	PB169936BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 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
BP025903.D	1	10/01/25 10:10	10/01/25 16:30	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		160	330	ug/Kg
108-95-2	Phenol	1600		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1700		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1800		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1800		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	1100		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1800		25.3	170	ug/Kg
105-60-2	Caprolactam	1400		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1900		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169936BS	SDG No.:	Q3257
Lab Sample ID:	PB169936BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 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
BP025903.D	1	10/01/25 10:10	10/01/25 16:30	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1300		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2600		110	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1600		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		26.7	170	ug/Kg
86-73-7	Fluorene	1600		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1700		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1700		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169936BS	SDG No.:	Q3257
Lab Sample ID:	PB169936BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 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
BP025903.D	1	10/01/25 10:10	10/01/25 16:30	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1300		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	158		18 - 112	105%	SPK: 150
13127-88-3	Phenol-d6	147		15 - 107	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.4		18 - 107	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.5		20 - 109	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	164		10 - 116	110%	SPK: 150
1718-51-0	Terphenyl-d14	99.0		10 - 105	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	170000	7.743			
1146-65-2	Naphthalene-d8	640000	10.508			
15067-26-2	Acenaphthene-d10	385000	14.354			
1517-22-2	Phenanthrene-d10	735000	17.148			
1719-03-5	Chrysene-d12	724000	21.595			
1520-96-3	Perylene-d12	790000	24.948			

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FTMS	SDG No.:	Q3257
Lab Sample ID:	Q3257-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
Sample Wt/Vol:	30.01 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
BP025908.D	1	10/01/25 10:10	10/01/25 19:56	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		180	390	ug/Kg
108-95-2	Phenol	2100		26.1	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		28.7	200	ug/Kg
95-57-8	2-Chlorophenol	2100		28.8	200	ug/Kg
95-48-7	2-Methylphenol	2000		35.3	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		44.3	200	ug/Kg
98-86-2	Acetophenone	2300		34.8	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		48.5	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		55.9	94.4	ug/Kg
67-72-1	Hexachloroethane	2000		20.8	200	ug/Kg
98-95-3	Nitrobenzene	2000		21.6	200	ug/Kg
78-59-1	Isophorone	1900		38.7	200	ug/Kg
88-75-5	2-Nitrophenol	2300		68.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		76.5	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		36.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		33.4	200	ug/Kg
91-20-3	Naphthalene	2100		26.8	200	ug/Kg
106-47-8	4-Chloroaniline	990		41.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	2200		29.9	200	ug/Kg
105-60-2	Caprolactam	1700		61.5	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		33.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	2000		30.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2400		23.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2300		34.3	200	ug/Kg
92-52-4	1,1-Biphenyl	2400		25.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	2200		26.6	200	ug/Kg
88-74-4	2-Nitroaniline	2100		56.8	200	ug/Kg
131-11-3	Dimethylphthalate	2100		32.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FTMS	SDG No.:	Q3257
Lab Sample ID:	Q3257-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
Sample Wt/Vol:	30.01 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
BP025908.D	1	10/01/25 10:10	10/01/25 19:56	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2200		34.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		39.7	200	ug/Kg
99-09-2	3-Nitroaniline	1400		54.3	200	ug/Kg
83-32-9	Acenaphthene	2100		25.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3600	E	130	390	ug/Kg
132-64-9	Dibenzofuran	2100		26.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		59.1	200	ug/Kg
84-66-2	Diethylphthalate	2000		33.4	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		31.5	200	ug/Kg
86-73-7	Fluorene	2100		29.9	200	ug/Kg
100-01-6	4-Nitroaniline	1900		75.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		38.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300		32.8	200	ug/Kg
118-74-1	Hexachlorobenzene	2300		29.9	200	ug/Kg
1912-24-9	Atrazine	2200		40.1	200	ug/Kg
87-86-5	Pentachlorophenol	4500	E	60.5	390	ug/Kg
85-01-8	Phenanthrene	2100		24.7	200	ug/Kg
120-12-7	Anthracene	2200		39.3	200	ug/Kg
86-74-8	Carbazole	2100		36.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	2100		56.5	200	ug/Kg
206-44-0	Fluoranthene	2000		35.4	200	ug/Kg
129-00-0	Pyrene	2200		42.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	2200		84.3	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		43.3	390	ug/Kg
56-55-3	Benzo(a)anthracene	2200		27.1	200	ug/Kg
218-01-9	Chrysene	2100		23.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		69.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		22.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FTMS	SDG No.:	Q3257
Lab Sample ID:	Q3257-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
Sample Wt/Vol:	30.01 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
BP025908.D	1	10/01/25 10:10	10/01/25 19:56	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2100		26.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	2100		34.8	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		34.3	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		32.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2300		30.3	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2600		30.2	200	ug/Kg
123-91-1	1,4-Dioxane	1800		53.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		32.3	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.9		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	75.8		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.5		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.3		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	95.7		10 - 116	64%	SPK: 150
1718-51-0	Terphenyl-d14	62.4		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	186000	7.737			
1146-65-2	Naphthalene-d8	701000	10.502			
15067-26-2	Acenaphthene-d10	422000	14.354			
1517-22-2	Phenanthrene-d10	815000	17.142			
1719-03-5	Chrysene-d12	769000	21.595			
1520-96-3	Perylene-d12	893000	24.954			

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FTMSD	SDG No.:	Q3257
Lab Sample ID:	Q3257-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025909.D	1	10/01/25 10:10	10/01/25 20:37	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		180	390	ug/Kg
108-95-2	Phenol	2100		26.0	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		28.6	200	ug/Kg
95-57-8	2-Chlorophenol	2200		28.8	200	ug/Kg
95-48-7	2-Methylphenol	2000		35.2	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		44.2	200	ug/Kg
98-86-2	Acetophenone	2300		34.8	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		48.4	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		55.9	94.3	ug/Kg
67-72-1	Hexachloroethane	2100		20.7	200	ug/Kg
98-95-3	Nitrobenzene	2100		21.6	200	ug/Kg
78-59-1	Isophorone	2000		38.7	200	ug/Kg
88-75-5	2-Nitrophenol	2300		68.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		76.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		36.3	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		33.4	200	ug/Kg
91-20-3	Naphthalene	2100		26.8	200	ug/Kg
106-47-8	4-Chloroaniline	1000		41.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	2200		29.8	200	ug/Kg
105-60-2	Caprolactam	1800		61.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		33.8	200	ug/Kg
91-57-6	2-Methylnaphthalene	2000		30.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2400		23.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2300		34.3	200	ug/Kg
92-52-4	1,1-Biphenyl	2400		25.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	2200		26.5	200	ug/Kg
88-74-4	2-Nitroaniline	2100		56.7	200	ug/Kg
131-11-3	Dimethylphthalate	2000		31.9	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FTMSD	SDG No.:	Q3257
Lab Sample ID:	Q3257-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025909.D	1	10/01/25 10:10	10/01/25 20:37	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2200		34.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		39.6	200	ug/Kg
99-09-2	3-Nitroaniline	1400		54.2	200	ug/Kg
83-32-9	Acenaphthene	2100		25.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3500	E	130	390	ug/Kg
132-64-9	Dibenzofuran	2100		26.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		59.1	200	ug/Kg
84-66-2	Diethylphthalate	2000		33.4	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		31.5	200	ug/Kg
86-73-7	Fluorene	2100		29.8	200	ug/Kg
100-01-6	4-Nitroaniline	1900		75.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		38.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		32.8	200	ug/Kg
118-74-1	Hexachlorobenzene	2400		29.8	200	ug/Kg
1912-24-9	Atrazine	2200		40.1	200	ug/Kg
87-86-5	Pentachlorophenol	4500	E	60.5	390	ug/Kg
85-01-8	Phenanthrene	2100		24.6	200	ug/Kg
120-12-7	Anthracene	2100		39.2	200	ug/Kg
86-74-8	Carbazole	2100		36.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	2100		56.5	200	ug/Kg
206-44-0	Fluoranthene	2000		35.4	200	ug/Kg
129-00-0	Pyrene	2300		42.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	2300		84.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		43.3	390	ug/Kg
56-55-3	Benzo(a)anthracene	2200		27.1	200	ug/Kg
218-01-9	Chrysene	2200		23.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		69.8	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		22.4	200	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FTMSD	SDG No.:	Q3257
Lab Sample ID:	Q3257-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.7
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
BP025909.D	1	10/01/25 10:10	10/01/25 20:37	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2100		26.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	2100		34.8	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2300		34.3	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		32.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2300		30.3	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2600		30.2	200	ug/Kg
123-91-1	1,4-Dioxane	1800		53.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		32.3	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.3		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.0		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.4		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.4		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	62.7		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	180000	7.743			
1146-65-2	Naphthalene-d8	675000	10.507			
15067-26-2	Acenaphthene-d10	411000	14.36			
1517-22-2	Phenanthrene-d10	775000	17.166			
1719-03-5	Chrysene-d12	702000	21.607			
1520-96-3	Perylene-d12	812000	24.942			

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

CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 11 16:45:04 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025725.D 5 =BP025726.D 10 =BP025727.D 20 =BP025728.D 40 =BP025729.D 50 =BP025733.D 60 =BP025731.D 80 =BP0257
32.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.565	0.497	0.558	0.546	0.514	0.493	0.469	0.520	7.02
3)		Pyridine		1.376	1.317	1.526	1.566	1.464	1.400	1.380	1.432	6.23
4)		n-Nitrosodimet...			0.639	0.715	0.721	0.680	0.652	0.648	0.676	5.26
5)	S	2-Fluorophenol		1.139	1.123	1.320	1.362	1.282	1.238	1.213	1.240	7.19
6)		Aniline		1.980	1.981	2.462	2.509	2.372	2.265	2.263	2.262	9.42
7)	S	Phenol-d6		1.391	1.460	1.793	1.861	1.726	1.658	1.643	1.648	10.33
8)		2-Chlorophenol		1.229	1.196	1.448	1.508	1.410	1.366	1.361	1.360	8.28
9)		Benzaldehyde			1.037	0.748	0.875	1.207	1.077	0.981	0.987	16.23
10)	C	Phenol		1.512	1.525	1.848	1.964	1.819	1.751	1.741	1.737	9.59
11)		bis(2-Chloroet...		1.313	1.222	1.508	1.555	1.438	1.368	1.365	1.396	8.20
12)		1,3-Dichlorobe...		1.550	1.447	1.662	1.674	1.548	1.489	1.464	1.548	5.87
13)	C	1,4-Dichlorobe...		1.550	1.475	1.698	1.690	1.590	1.539	1.492	1.576	5.63
14)		1,2-Dichlorobe...		1.529	1.432	1.634	1.653	1.542	1.485	1.445	1.531	5.64
15)		Benzyl Alcohol			1.092	1.425	1.510	1.411	1.350	1.380	1.361	10.49
16)		2,2'-oxybis(1-...		2.241	2.133	2.476	2.493	2.291	2.164	2.179	2.282	6.47
17)		2-Methylphenol		0.973	1.030	1.268	1.319	1.231	1.185	1.192	1.171	10.72
18)		Hexachloroethane		0.603	0.557	0.633	0.647	0.609	0.588	0.579	0.602	5.18
19)	P	n-Nitroso-di-n...	0.961	1.032	1.047	1.300	1.320	1.230	1.151	1.151	1.149	11.29
20)		3+4-Methylphenols			1.352	1.721	1.819	1.693	1.625	1.633	1.640	9.62
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.474	0.488	0.583	0.588	0.550	0.538	0.520	0.534	8.19
23)	S	Nitrobenzene-d5		0.416	0.410	0.490	0.496	0.467	0.455	0.440	0.453	7.43
24)		Nitrobenzene		0.366	0.363	0.440	0.449	0.418	0.411	0.400	0.407	8.15
25)		Isophorone		0.737	0.726	0.862	0.860	0.815	0.791	0.787	0.797	6.76
26)	C	2-Nitrophenol		0.141	0.154	0.190	0.203	0.193	0.192	0.192	0.181	12.86
27)		2,4-Dimethylph...		0.263	0.286	0.345	0.356	0.327	0.320	0.320	0.317	10.24
28)		bis(2-Chloroet...		0.414	0.423	0.510	0.498	0.474	0.452	0.453	0.461	7.83
29)	C	2,4-Dichloroph...		0.267	0.270	0.339	0.349	0.337	0.327	0.323	0.316	10.66
30)		1,2,4-Trichlor...		0.355	0.335	0.377	0.378	0.357	0.346	0.343	0.356	4.60
31)		Naphthalene		1.072	1.028	1.164	1.147	1.084	1.044	1.010	1.078	5.41
32)		Benzoic acid			0.170	0.214	0.261	0.253	0.257	0.259	0.236	15.62
33)		4-Chloroaniline		0.343	0.391	0.489	0.510	0.477	0.465	0.471	0.449	13.27
34)	C	Hexachlorobuta...		0.226	0.219	0.247	0.242	0.227	0.226	0.217	0.229	4.97
35)		Caprolactam			0.105	0.127	0.132	0.123	0.120	0.123	0.122	7.52
36)	C	4-Chloro-3-met...		0.328	0.338	0.406	0.414	0.394	0.377	0.380	0.377	8.72
37)		2-Methylnaphth...		0.662	0.639	0.758	0.747	0.698	0.677	0.666	0.693	6.47
38)		1-Methylnaphth...		0.726	0.691	0.807	0.800	0.731	0.713	0.703	0.739	6.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP091225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.590	0.561	0.653	0.660	0.607	0.604	0.568	0.606	6.33
41)	P	Hexachlorocycl...		0.225	0.326	0.380	0.351	0.347	0.351	0.330	16.40
42)	S	2,4,6-Tribromo...	0.227	0.227	0.270	0.277	0.250	0.249	0.246	0.249	7.67
43)	C	2,4,6-Trichlor...	0.340	0.354	0.435	0.445	0.409	0.409	0.397	0.398	9.86
44)		2,4,5-Trichlor...	0.375	0.389	0.482	0.501	0.459	0.457	0.441	0.443	10.43
45)	S	2-Fluorobiphenyl	1.563	1.470	1.655	1.596	1.479	1.434	1.318	1.502	7.50
46)		1,1'-Biphenyl	1.458	1.375	1.599	1.587	1.465	1.425	1.366	1.468	6.37
47)		2-Chloronaphth...	1.140	1.090	1.252	1.240	1.164	1.132	1.073	1.156	5.96
48)		2-Nitroaniline	0.309	0.332	0.416	0.439	0.399	0.402	0.401	0.385	12.14
49)		Acenaphthylene	1.877	1.791	2.095	2.058	1.904	1.871	1.810	1.915	6.12
50)		Dimethylphthalate	1.545	1.433	1.682	1.659	1.493	1.446	1.430	1.527	6.95
51)		2,6-Dinitrotol...	0.286	0.291	0.353	0.358	0.329	0.330	0.318	0.324	8.57
52)	C	Acenaphthene	1.129	1.052	1.207	1.195	1.084	1.055	1.010	1.104	6.80
53)		3-Nitroaniline	0.266	0.282	0.370	0.394	0.358	0.357	0.355	0.340	13.91
54)	P	2,4-Dinitrophenol		0.108	0.173	0.209	0.201	0.201	0.209	0.183	21.35
55)		Dibenzofuran	1.834	1.754	1.967	1.922	1.766	1.719	1.640	1.800	6.39
56)	P	4-Nitrophenol		0.148	0.255	0.307	0.273	0.280	0.288	0.258	22.01
57)		2,4-Dinitrotol...	0.382	0.398	0.501	0.521	0.484	0.471	0.467	0.460	11.27
58)		Fluorene	1.485	1.382	1.579	1.546	1.385	1.350	1.292	1.431	7.46
59)		2,3,4,6-Tetrac...	0.362	0.361	0.434	0.446	0.404	0.393	0.395	0.399	8.21
60)		Diethylphthalate	1.573	1.472	1.697	1.644	1.518	1.473	1.465	1.549	5.98
61)		4-Chlorophenyl...	0.755	0.699	0.791	0.769	0.704	0.681	0.651	0.721	7.07
62)		4-Nitroaniline	0.258	0.281	0.381	0.404	0.373	0.376	0.365	0.349	15.91
63)		Azobenzene	1.421	1.383	1.648	1.643	1.510	1.468	1.410	1.498	7.29
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.093	0.135	0.151	0.143	0.137	0.139	0.133	15.14
66)	c	n-Nitrosodiphe...	0.597	0.573	0.681	0.664	0.628	0.594	0.547	0.612	7.88
67)		4-Bromophenyl-...	0.213	0.202	0.240	0.238	0.226	0.213	0.205	0.220	6.85
68)		Hexachlorobenzene	0.243	0.230	0.266	0.261	0.248	0.236	0.231	0.245	5.77
69)		Atrazine	0.215	0.210	0.260	0.260	0.240	0.227	0.227	0.234	8.54
70)	C	Pentachlorophenol		0.132	0.168	0.179	0.167	0.161	0.163	0.162	9.85
71)		Phenanthrene	1.163	1.095	1.247	1.213	1.131	1.065	1.027	1.135	6.96
72)		Anthracene	1.120	1.086	1.280	1.237	1.183	1.107	1.044	1.151	7.39
73)		Carbazole	0.994	0.998	1.185	1.173	1.105	1.038	0.999	1.070	7.82
74)		Di-n-butylphth...	1.232	1.213	1.468	1.438	1.339	1.281	1.220	1.313	8.00
75)	C	Fluoranthene	1.387	1.294	1.511	1.447	1.351	1.293	1.242	1.361	6.96
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.523	0.537	0.653	0.631	0.578	0.536	0.576	9.47
78)		Pyrene	1.307	1.243	1.444	1.430	1.337	1.308	1.274	1.335	5.71
79)	S	Terphenyl-d14	1.133	1.093	1.198	1.177	1.111	1.054	1.017	1.112	5.78
80)		Butylbenzylpht...	0.519	0.511	0.636	0.647	0.608	0.587	0.588	0.585	9.02
81)		Benzo(a)anthra...	1.346	1.302	1.471	1.453	1.378	1.330	1.305	1.369	5.02
82)		3,3'-Dichlorob...		0.425	0.499	0.518	0.488	0.468	0.442	0.473	7.45
83)		Chrysene	1.316	1.253	1.397	1.375	1.317	1.268	1.210	1.305	5.11
84)		Bis(2-ethylhex...	0.800	0.781	0.930	0.945	0.861	0.857	0.818	0.856	7.31
85)	c	Di-n-octyl pht...		1.315	1.604	1.670	1.531	1.513	1.504	1.523	7.87

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP091225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.340	1.334	1.533	1.596	1.506	1.485	1.386	1.454	6.99
88)		Benzo(b)fluora...	1.124	1.145	1.304	1.336	1.252	1.216	1.186	1.223	6.45
89)		Benzo(k)fluora...	1.228	1.170	1.367	1.341	1.258	1.220	1.151	1.248	6.51
90)	C	Benzo(a)pyrene	1.131	1.100	1.276	1.307	1.221	1.208	1.141	1.198	6.45
91)		Dibenzo(a,h)an...	1.116	1.075	1.254	1.297	1.239	1.208	1.143	1.190	6.79
92)		Benzo(g,h,i)pe...	1.090	1.078	1.225	1.267	1.210	1.197	1.125	1.170	6.20

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q3257

Instrument ID: BNA_P Calibration Date/Time: 10/01/2025 15:08

Lab File ID: BP025901.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 08:56 15:20

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.240	1.293		4.3	
Benzaldehyde	0.987	1.238		25.4	
Phenol-d6	1.648	1.614		-2.1	
Phenol	1.737	1.688		-2.8	20.0
bis(2-Chloroethyl)ether	1.396	1.322		-5.3	
2-Chlorophenol	1.360	1.371		0.8	
2-Methylphenol	1.171	1.117		-4.6	
2,2-oxybis(1-Chloropropane)	2.283	1.861		-18.5	
Acetophenone	0.534	0.539		0.9	
3+4-Methylphenols	1.640	1.483		-9.6	
n-Nitroso-di-n-propylamine	1.149	0.980	0.050	-14.7	
Nitrobenzene-d5	0.453	0.448		-1.1	
Hexachloroethane	0.602	0.591		-1.8	
Nitrobenzene	0.407	0.398		-2.2	
Isophorone	0.797	0.742		-6.9	
2-Nitrophenol	0.181	0.201		11.1	20.0
2,4-Dimethylphenol	0.317	0.319		0.6	
bis(2-Chloroethoxy)methane	0.461	0.451		-2.2	
2,4-Dichlorophenol	0.316	0.328		3.8	20.0
Naphthalene	1.078	1.059		-1.8	
4-Chloroaniline	0.449	0.453		0.9	
Hexachlorobutadiene	0.229	0.245		7.0	20.0
Caprolactam	0.122	0.132		8.2	
4-Chloro-3-methylphenol	0.377	0.357		-5.3	20.0
2-Methylnaphthalene	0.693	0.663		-4.3	
Hexachlorocyclopentadiene	0.330	0.315	0.050	-4.5	
2,4,6-Trichlorophenol	0.398	0.446		12.1	20.0
2-Fluorobiphenyl	1.502	1.562		4.0	
2,4,5-Trichlorophenol	0.443	0.475		7.2	
1,1-Biphenyl	1.468	1.518		3.4	
2-Chloronaphthalene	1.156	1.202		4.0	
2-Nitroaniline	0.385	0.375		-2.6	
Dimethylphthalate	1.527	1.464		-4.1	
Acenaphthylene	1.915	1.920		0.3	
2,6-Dinitrotoluene	0.324	0.330		1.9	
3-Nitroaniline	0.340	0.346		1.8	
Acenaphthene	1.104	1.098		-0.5	20.0
2,4-Dinitrophenol	0.183	0.207	0.050	13.1	
4-Nitrophenol	0.258	0.330	0.050	27.9	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q3257

Instrument ID: BNA_P Calibration Date/Time: 10/01/2025 15:08

Lab File ID: BP025901.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 08:56 15:20

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.800	1.748		-2.9	
2,4-Dinitrotoluene	0.460	0.468		1.7	
Diethylphthalate	1.549	1.444		-6.8	
4-Chlorophenyl-phenylether	0.721	0.728		1.0	
Fluorene	1.431	1.410		-1.5	
4-Nitroaniline	0.349	0.354		1.4	
4,6-Dinitro-2-methylphenol	0.133	0.150		12.8	
n-Nitrosodiphenylamine	0.612	0.632		3.3	20.0
2,4,6-Tribromophenol	0.249	0.274		10.0	
4-Bromophenyl-phenylether	0.220	0.238		8.2	
Hexachlorobenzene	0.245	0.267		9.0	
Atrazine	0.234	0.236		0.9	
Pentachlorophenol	0.162	0.172		6.2	20.0
Phenanthrene	1.135	1.128		-0.6	
Anthracene	1.151	1.153		0.2	
Carbazole	1.070	1.042		-2.6	
Di-n-butylphthalate	1.313	1.293		-1.5	
Fluoranthene	1.361	1.317		-3.2	20.0
Pyrene	1.335	1.344		0.7	
Terphenyl-d14	1.112	1.159		4.2	
Butylbenzylphthalate	0.585	0.597		2.1	
3,3-Dichlorobenzidine	0.473	0.504		6.6	
Benzo(a)anthracene	1.369	1.352		-1.2	
Chrysene	1.305	1.283		-1.7	
Bis(2-ethylhexyl)phthalate	0.856	0.844		-1.4	
Di-n-octyl phthalate	1.523	1.517		-0.4	20.0
Benzo(b)fluoranthene	1.223	1.207		-1.3	
Benzo(k)fluoranthene	1.248	1.197		-4.1	
Benzo(a)pyrene	1.198	1.182		-1.3	20.0
Indeno(1,2,3-cd)pyrene	1.454	1.482		1.9	
Dibenzo(a,h)anthracene	1.190	1.214		2.0	
Benzo(g,h,i)perylene	1.171	1.194		2.0	
1,2,4,5-Tetrachlorobenzene	0.606	0.678		11.9	
1,4-Dioxane	0.520	0.513		-1.3	20.0
2,3,4,6-Tetrachlorophenol	0.399	0.412		3.3	

All other compounds must meet a minimum RRF of 0.010.