

LAB CHRONICLE

OrderID:	Q2161	OrderDate:	5/30/2025 11:29:00 AM
Client:	Scalamandre – Tully JV	Project:	NYC DOT Harper Street Yard North
Contact:	Dean Devoe	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2161-01	B27-SOIL-SAMPLE	SOIL			05/12/25			05/13/25
			SVOCMS Group1	8270E		06/04/25	06/10/25	
Q2161-02	B28-SOIL-SAMPLE	SOIL			05/12/25			05/13/25
			SVOCMS Group1	8270E		06/04/25	06/10/25	

Hit Summary Sheet SW-846

SDG No.: Q2161
Client: Scalamandre – Tully JV

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	B27-SOIL-SAMPLE							
Q2161-01	B27-SOIL-SAMPLE	SOIL	2-Methylnaphthalene	800.000		57.5	380	ug/Kg
Q2161-01	B27-SOIL-SAMPLE	SOIL	Acenaphthene	240.000	J	47.9	380	ug/Kg
Q2161-01	B27-SOIL-SAMPLE	SOIL	Fluorene	440.000		56.9	380	ug/Kg
Q2161-01	B27-SOIL-SAMPLE	SOIL	Phenanthrene	1,200.000		47	380	ug/Kg
Q2161-01	B27-SOIL-SAMPLE	SOIL	Fluoranthene	170.000	J	67.4	380	ug/Kg
Q2161-01	B27-SOIL-SAMPLE	SOIL	Pyrene	390.000		80.9	380	ug/Kg
Total Svoc :				3,240.00				
Total Concentration:				3,240.00				
Client ID :	B28-SOIL-SAMPLE							
Q2161-02	B28-SOIL-SAMPLE	SOIL	2-Methylnaphthalene	710.000		29	190	ug/Kg
Q2161-02	B28-SOIL-SAMPLE	SOIL	1,1-Biphenyl	190.000		24.7	190	ug/Kg
Q2161-02	B28-SOIL-SAMPLE	SOIL	Phenanthrene	1,600.000		23.7	190	ug/Kg
Q2161-02	B28-SOIL-SAMPLE	SOIL	Fluoranthene	91.800	J	34	190	ug/Kg
Q2161-02	B28-SOIL-SAMPLE	SOIL	Pyrene	220.000		40.8	190	ug/Kg
Total Svoc :				2,811.80				
Total Concentration:				2,811.80				



SAMPLE DATA

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP024902.D	2	06/04/25 09:10	06/10/25 20:32	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	350	740	ug/Kg
108-95-2	Phenol	49.7	U	49.7	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.6	U	54.6	380	ug/Kg
95-57-8	2-Chlorophenol	54.8	U	54.8	380	ug/Kg
95-48-7	2-Methylphenol	67.2	U	67.2	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	84.3	U	84.3	380	ug/Kg
98-86-2	Acetophenone	66.3	U	66.3	380	ug/Kg
65794-96-9	3+4-Methylphenols	92.4	U	92.4	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	110	180	ug/Kg
67-72-1	Hexachloroethane	39.6	U	39.6	380	ug/Kg
98-95-3	Nitrobenzene	41.1	U	41.1	380	ug/Kg
78-59-1	Isophorone	73.7	U	73.7	380	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	380	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	69.2	U	69.2	380	ug/Kg
120-83-2	2,4-Dichlorophenol	63.6	U	63.6	380	ug/Kg
91-20-3	Naphthalene	51.0	U	51.0	380	ug/Kg
106-47-8	4-Chloroaniline	79.6	U	79.6	380	ug/Kg
87-68-3	Hexachlorobutadiene	56.9	U	56.9	380	ug/Kg
105-60-2	Caprolactam	120	U	120	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.5	U	64.5	380	ug/Kg
91-57-6	2-Methylnaphthalene	800		57.5	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.5	U	44.5	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.4	U	65.4	380	ug/Kg
92-52-4	1,1-Biphenyl	49.0	U	49.0	380	ug/Kg
91-58-7	2-Chloronaphthalene	50.6	U	50.6	380	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	380	ug/Kg
131-11-3	Dimethylphthalate	60.9	U	60.9	380	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
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Lab Sample ID:	Q2161-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP024902.D	2	06/04/25 09:10	06/10/25 20:32	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	65.0	U	65.0	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	75.5	U	75.5	380	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	380	ug/Kg
83-32-9	Acenaphthene	240	J	47.9	380	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	510	740	ug/Kg
100-02-7	4-Nitrophenol	240	U	240	740	ug/Kg
132-64-9	Dibenzofuran	51.0	U	51.0	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	380	ug/Kg
84-66-2	Diethylphthalate	63.6	U	63.6	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.0	U	60.0	380	ug/Kg
86-73-7	Fluorene	440		56.9	380	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	74.0	U	74.0	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.5	U	62.5	380	ug/Kg
118-74-1	Hexachlorobenzene	56.9	U	56.9	380	ug/Kg
1912-24-9	Atrazine	76.4	U	76.4	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	740	ug/Kg
85-01-8	Phenanthrene	1200		47.0	380	ug/Kg
120-12-7	Anthracene	74.9	U	74.9	380	ug/Kg
86-74-8	Carbazole	70.1	U	70.1	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	170	J	67.4	380	ug/Kg
129-00-0	Pyrene	390		80.9	380	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	82.5	UQ	82.5	740	ug/Kg
56-55-3	Benzo(a)anthracene	51.7	U	51.7	380	ug/Kg
218-01-9	Chrysene	44.7	U	44.7	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	380	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	42.7	U	42.7	380	ug/Kg

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Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP024902.D	2	06/04/25 09:10	06/10/25 20:32	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	50.3	U	50.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	66.3	U	66.3	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	65.4	U	65.4	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.6	U	61.6	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	57.8	U	57.8	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.5	U	57.5	380	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61.6	U	61.6	380	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	43.8		18 - 112	29%	SPK: 150
13127-88-3	Phenol-d6	48.7		15 - 107	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	30.0		18 - 107	30%	SPK: 100
321-60-8	2-Fluorobiphenyl	33.4		20 - 109	33%	SPK: 100
118-79-6	2,4,6-Tribromophenol	32.4		10 - 116	22%	SPK: 150
1718-51-0	Terphenyl-d14	34.8		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	321000	7.613
1146-65-2	Naphthalene-d8	1270000	10.384
15067-26-2	Acenaphthene-d10	730000	14.26
1517-22-2	Phenanthrene-d10	1380000	17.078
1719-03-5	Chrysene-d12	1560000	21.501
1520-96-3	Perylene-d12	1870000	24.777

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:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP024896.D	1	06/04/25 09:10	06/10/25 16:27	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	370	ug/Kg
108-95-2	Phenol	25.0	U	25.0	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.5	U	27.5	190	ug/Kg
95-57-8	2-Chlorophenol	27.6	U	27.6	190	ug/Kg
95-48-7	2-Methylphenol	33.8	U	33.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.5	U	42.5	190	ug/Kg
98-86-2	Acetophenone	33.4	U	33.4	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.5	U	46.5	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.7	U	53.7	90.6	ug/Kg
67-72-1	Hexachloroethane	19.9	U	19.9	190	ug/Kg
98-95-3	Nitrobenzene	20.7	U	20.7	190	ug/Kg
78-59-1	Isophorone	37.1	U	37.1	190	ug/Kg
88-75-5	2-Nitrophenol	65.9	U	65.9	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.4	U	73.4	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.9	U	34.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.0	U	32.0	190	ug/Kg
91-20-3	Naphthalene	25.7	U	25.7	190	ug/Kg
106-47-8	4-Chloroaniline	40.1	U	40.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.6	U	28.6	190	ug/Kg
105-60-2	Caprolactam	59.0	U	59.0	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.5	U	32.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	710		29.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.4	U	22.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.9	U	32.9	190	ug/Kg
92-52-4	1,1-Biphenyl	190		24.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.5	U	25.5	190	ug/Kg
88-74-4	2-Nitroaniline	54.5	U	54.5	190	ug/Kg
131-11-3	Dimethylphthalate	30.7	U	30.7	190	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP024896.D	1	06/04/25 09:10	06/10/25 16:27	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.7	U	32.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.0	U	38.0	190	ug/Kg
99-09-2	3-Nitroaniline	52.1	U	52.1	190	ug/Kg
83-32-9	Acenaphthene	24.1	U	24.1	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.7	U	25.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.7	U	56.7	190	ug/Kg
84-66-2	Diethylphthalate	32.0	U	32.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.2	U	30.2	190	ug/Kg
86-73-7	Fluorene	28.6	U	28.6	190	ug/Kg
100-01-6	4-Nitroaniline	72.7	U	72.7	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.2	U	37.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.5	U	31.5	190	ug/Kg
118-74-1	Hexachlorobenzene	28.6	U	28.6	190	ug/Kg
1912-24-9	Atrazine	38.5	U	38.5	190	ug/Kg
87-86-5	Pentachlorophenol	58.1	U	58.1	370	ug/Kg
85-01-8	Phenanthrene	1600		23.7	190	ug/Kg
120-12-7	Anthracene	37.7	U	37.7	190	ug/Kg
86-74-8	Carbazole	35.3	U	35.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.2	U	54.2	190	ug/Kg
206-44-0	Fluoranthene	91.8	J	34.0	190	ug/Kg
129-00-0	Pyrene	220		40.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	80.8	U	80.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.5	UQ	41.5	370	ug/Kg
56-55-3	Benzo(a)anthracene	26.0	U	26.0	190	ug/Kg
218-01-9	Chrysene	22.5	U	22.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.0	U	67.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.3	U	98.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.5	U	21.5	190	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP024896.D	1	06/04/25 09:10	06/10/25 16:27	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.4	U	25.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.4	U	33.4	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.9	U	32.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.0	U	31.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.1	U	29.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.0	U	29.0	190	ug/Kg
123-91-1	1,4-Dioxane	51.2	U	51.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.0	U	31.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	25.1	*	18 - 112	17%	SPK: 150
13127-88-3	Phenol-d6	74.8		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.3		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.8		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	10.3	*	10 - 116	7%	SPK: 150
1718-51-0	Terphenyl-d14	61.4		10 - 105	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	237000		7.607		
1146-65-2	Naphthalene-d8	965000		10.378		
15067-26-2	Acenaphthene-d10	570000		14.254		
1517-22-2	Phenanthrene-d10	1050000		17.06		
1719-03-5	Chrysene-d12	1210000		21.495		
1520-96-3	Perylene-d12	1480000		24.771		

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

Surrogate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168234BL	PB168234BL	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	119	80		15	107
		Nitrobenzene-d5	100	75.3	75		18	107
		2-Fluorobiphenyl	100	71.9	72		20	109
		2,4,6-Tribromophenol	150	117	78		10	116
		Terphenyl-d14	100	72.1	72		10	105
PB168234BS	PB168234BS	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	76.0	76		18	107
		2-Fluorobiphenyl	100	74.1	74		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	80.6	81		10	105
Q2159-01MS	TP05-MHO-WCMS	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	76.0	51		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	45.5	46		20	109
		2,4,6-Tribromophenol	150	69.8	47		10	116
		Terphenyl-d14	100	35.2	35		10	105
Q2159-01MSD	TP05-MHO-WCMSD	2-Fluorophenol	150	72.4	48		18	112
		Phenol-d6	150	72.8	49		15	107
		Nitrobenzene-d5	100	45.8	46		18	107
		2-Fluorobiphenyl	100	45.1	45		20	109
		2,4,6-Tribromophenol	150	65.3	44		10	116
		Terphenyl-d14	100	32.4	32		10	105
Q2161-01	B27-SOIL-SAMPLE	2-Fluorophenol	150	43.8	29		18	112
		Phenol-d6	150	48.7	32		15	107
		Nitrobenzene-d5	100	30.0	30		18	107
		2-Fluorobiphenyl	100	33.4	33		20	109
		2,4,6-Tribromophenol	150	32.4	22		10	116
		Terphenyl-d14	100	34.8	35		10	105
Q2161-02	B28-SOIL-SAMPLE	2-Fluorophenol	150	25.1	17	*	18	112
		Phenol-d6	150	74.8	50		15	107
		Nitrobenzene-d5	100	56.3	56		18	107
		2-Fluorobiphenyl	100	59.8	60		20	109
		2,4,6-Tribromophenol	150	10.3	7	*	10	116
		Terphenyl-d14	100	61.4	61		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2159-01MS	Client Sample ID:	TP05-MHO-WCMS					DataFile:	BF142605.D		
Benzaldehyde	1200	0	890	ug/Kg	74				10	171	
Phenol	1200	0	1000	ug/Kg	83				51	122	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				54	125	
2-Chlorophenol	1200	0	1100	ug/Kg	92				51	121	
2-Methylphenol	1200	0	1000	ug/Kg	83				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				46	119	
Acetophenone	1200	0	1100	ug/Kg	92				55	128	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				49	125	
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83				59	119	
Hexachloroethane	1200	0	1000	ug/Kg	83				51	116	
Nitrobenzene	1200	0	1100	ug/Kg	92				47	124	
Isophorone	1200	0	1100	ug/Kg	92				49	127	
2-Nitrophenol	1200	0	1100	ug/Kg	92				43	131	
2,4-Dimethylphenol	1200	0	1000	ug/Kg	83				63	151	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				51	119	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				50	122	
Naphthalene	1200	0	1100	ug/Kg	92				51	121	
4-Chloroaniline	1200	0	290	ug/Kg	24				10	100	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				44	126	
Caprolactam	1200	0	1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200	0	1000	ug/Kg	83				57	132	
2-Methylnaphthalene	1200	0	1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2400	0	1900	ug/Kg	79				10	175	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				38	135	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				55	131	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				48	124	
2-Nitroaniline	1200	0	1100	ug/Kg	92				47	134	
Dimethylphthalate	1200	0	1100	ug/Kg	92				54	120	
Acenaphthylene	1200	0	1100	ug/Kg	92				57	125	
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92				48	127	
3-Nitroaniline	1200	0	510	ug/Kg	43				10	112	
Acenaphthene	1200	0	1200	ug/Kg	100				70	121	
2,4-Dinitrophenol	2400	0	2000	ug/Kg	83				10	155	
4-Nitrophenol	2400	0	2100	ug/Kg	88				10	175	
Dibenzofuran	1200	0	1100	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92				41	140	
Diethylphthalate	1200	0	1100	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				48	122	
Fluorene	1200	0	1100	ug/Kg	92				53	118	
4-Nitroaniline	1200	0	1000	ug/Kg	83				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200	0	1100	ug/Kg	92				67	118	
Atrazine	1200	0	1300	ug/Kg	108				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2400	0	2100	ug/Kg	88				13	153	
Phenanthrene	1200	0	1100	ug/Kg	92				52	128	
Anthracene	1200	0	1100	ug/Kg	92				62	124	
Carbazole	1200	0	1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				55	125	
Fluoranthene	1200	0	1100	ug/Kg	92				44	125	
Pyrene	1200	0	840	ug/Kg	70				37	122	
Butylbenzylphthalate	1200	0	1200	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1200	0	630	ug/Kg	52				15	112	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				53	119	
Chrysene	1200	0	1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1300	ug/Kg	108				42	169	
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100				51	156	
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				57	134	
Benzo(a)pyrene	1200	0	1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	930	ug/Kg	78				40	129	
Dibenz(a,h)anthracene	1200	0	930	ug/Kg	78				43	123	
Benzo(g,h,i)perylene	1200	0	860	ug/Kg	72				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	1200	ug/Kg	100				52	134	
1,4-Dioxane	1200	0	1000	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2159-01MSD	Client Sample ID:	TP05-MHO-WCMSD					DataFile:	BF142606.D		
Benzaldehyde	1200	0	840	ug/Kg	70		6		10	171	20
Phenol	1200	0	990	ug/Kg	83		0		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		10		54	125	20
2-Chlorophenol	1200	0	1000	ug/Kg	83		10		51	121	20
2-Methylphenol	1200	0	1000	ug/Kg	83		0		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	1000	ug/Kg	83		10		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		10		55	128	20
3+4-Methylphenols	1200	0	960	ug/Kg	80		4		49	125	20
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79		5		59	119	20
Hexachloroethane	1200	0	1000	ug/Kg	83		0		51	116	20
Nitrobenzene	1200	0	1100	ug/Kg	92		0		47	124	20
Isophorone	1200	0	1000	ug/Kg	83		10		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		0		43	131	20
2,4-Dimethylphenol	1200	0	980	ug/Kg	82		1		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		10		51	119	20
2,4-Dichlorophenol	1200	0	1000	ug/Kg	83		10		50	122	20
Naphthalene	1200	0	1000	ug/Kg	83		10		51	121	20
4-Chloroaniline	1200	0	240	ug/Kg	20		18		10	100	20
Hexachlorobutadiene	1200	0	1000	ug/Kg	83		10		44	126	20
Caprolactam	1200	0	1100	ug/Kg	92		0		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		2		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		10		59	123	20
Hexachlorocyclopentadiene	2400	0	1900	ug/Kg	79		0		10	175	20
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1000	ug/Kg	83		10		38	135	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		55	131	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		48	124	20
2-Nitroaniline	1200	0	1100	ug/Kg	92		0		47	134	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		54	120	20
Acenaphthylene	1200	0	1100	ug/Kg	92		0		57	125	20
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		48	127	20
3-Nitroaniline	1200	0	480	ug/Kg	40		7		10	112	20
Acenaphthene	1200	0	1100	ug/Kg	92		8		70	121	20
2,4-Dinitrophenol	2400	0	1900	ug/Kg	79		5		10	155	20
4-Nitrophenol	2400	0	1900	ug/Kg	79		11		10	175	20
Dibenzofuran	1200	0	1000	ug/Kg	83		10		52	114	20
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		10		51	119	20
4-Chlorophenyl-phenylether	1200	0	1000	ug/Kg	83		10		48	122	20
Fluorene	1200	0	1000	ug/Kg	83		10		53	118	20
4-Nitroaniline	1200	0	940	ug/Kg	78		6		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92		0		10	160	20
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		0		67	118	20
Atrazine	1200	0	1200	ug/Kg	100		8		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2400	0	2000	ug/Kg	83		6		13	153	20
Phenanthrene	1200	0	1100	ug/Kg	92		0		52	128	20
Anthracene	1200	0	1100	ug/Kg	92		0		62	124	20
Carbazole	1200	0	1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200	0	1200	ug/Kg	100		0		55	125	20
Fluoranthene	1200	0	1000	ug/Kg	83		10		44	125	20
Pyrene	1200	0	780	ug/Kg	65		7		37	122	20
Butylbenzylphthalate	1200	0	1100	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1200	0	660	ug/Kg	55		6		15	112	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		0		53	119	20
Chrysene	1200	0	1100	ug/Kg	92		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100		8		42	169	20
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100		0		51	156	20
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83		19		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		0		57	134	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	870	ug/Kg	73		7		40	129	20
Dibenz(a,h)anthracene	1200	0	890	ug/Kg	74		5		43	123	20
Benzo(g,h,i)perylene	1200	0	800	ug/Kg	67		7		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92		8		52	134	20
1,4-Dioxane	1200	0	970	ug/Kg	81		2		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	980	ug/Kg	82		1		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: 8270E DataFile: BF142726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168234BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				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	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	350	ug/Kg	21				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: 8270E

DataFile: BF142726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168234BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	650	ug/Kg	38		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168234BL

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM Case No.: Q2161

SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: BF142603.D

Lab Sample ID: PB168234BL

Instrument ID: BNA_F

Date Extracted: 06/04/2025

Matrix: (soil/water) SOIL

Date Analyzed: 06/04/2025

Level: (low/med) LOW

Time Analyzed: 13:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP05-MHO-WCMS	Q2159-01MS	BF142605.D	06/04/2025
TP05-MHO-WCMSD	Q2159-01MSD	BF142606.D	06/04/2025
PB168234BS	PB168234BS	BF142726.D	06/11/2025
B28-SOIL-SAMPLE	Q2161-02	BP024896.D	06/10/2025
B27-SOIL-SAMPLE	Q2161-01	BP024902.D	06/10/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM

SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: BF142465.D

DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	24.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.9
275	10.0 - 60.0% of mass 198	22.3
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM

SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: BF142601.D

DFTPP Injection Date: 06/04/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.2
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	25.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF142602.D	06/04/2025	12:27
PB168234BL	PB168234BL	BF142603.D	06/04/2025	13:05
TP05-MHO-WCMS	Q2159-01MS	BF142605.D	06/04/2025	14:08
TP05-MHO-WCMSD	Q2159-01MSD	BF142606.D	06/04/2025	14:38

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM

SAS No.: Q2161

SDG NO.: Q2161

Lab File ID: BF142710.D

DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F

DFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142712.D	06/10/2025	16:54
SSTDICC005	SSTDICC005	BF142713.D	06/10/2025	17:24
SSTDICC010	SSTDICC010	BF142714.D	06/10/2025	17:53
SSTDICC020	SSTDICC020	BF142715.D	06/10/2025	18:22
SSTDICCC040	SSTDICCC040	BF142716.D	06/10/2025	18:52
SSTDICC050	SSTDICC050	BF142717.D	06/10/2025	19:21
SSTDICC060	SSTDICC060	BF142718.D	06/10/2025	19:50
SSTDICC080	SSTDICC080	BF142719.D	06/10/2025	20:19

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM

SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: BF142722.D

DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_F

DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 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	BF142723.D	06/11/2025	09:24
PB168234BS	PB168234BS	BF142726.D	06/11/2025	10:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM

SAS No.: Q2161

SDG NO.: Q2161

Lab File ID: BP024859.D

DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P

DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.1 (19.2) 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	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM

SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: BP024887.D

DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_P

DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	30.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	78.8
443	15.0 - 24.0% of mass 442	15.3 (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	BP024888.D	06/10/2025	10:53
B28-SOIL-SAMPLE	Q2161-02	BP024896.D	06/10/2025	16:27
B27-SOIL-SAMPLE	Q2161-01	BP024902.D	06/10/2025	20:32

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2025

Lab File ID: BF142602.D Time Analyzed: 12:27

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	118699	6.898	454762	8.18	238732	9.94
UPPER LIMIT	237398	7.398	909524	8.68	477464	10.439
LOWER LIMIT	59349.5	6.398	227381	7.68	119366	9.439
EPA SAMPLE NO.						
01 PB168234BL	131273	6.89	500088	8.18	273312	9.93
02 TP05-MHO-WCMS	119687	6.90	441391	8.18	218918	9.94
03 TP05-MHO-WCMSD	117119	6.90	429653	8.18	207287	9.94

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2025

Lab File ID: BF142602.D Time Analyzed: 12:27

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	393948	11.427	204352	14.068	242845	15.562
UPPER LIMIT	787896	11.927	408704	14.568	485690	16.062
LOWER LIMIT	196974	10.927	102176	13.568	121423	15.062
EPA SAMPLE NO.						
01 PB168234BL	477318	11.42	281764	14.06	248996	15.56
02 TP05-MHO-WCMS	322457	11.43	216030	14.07	272895	15.56
03 TP05-MHO-WCMSD	289513	11.42	207868	14.07	274922	15.56

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	78219	6.892	306828	8.18	172169	9.94
UPPER LIMIT	156438	7.392	613656	8.681	344338	10.439
LOWER LIMIT	39109.5	6.392	153414	7.681	86084.5	9.439
EPA SAMPLE NO.						
01 PB168234BS	83192	6.89	318279	8.18	176454	9.93

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	291189	11.427	151467	14.068	144700	15.562
UPPER LIMIT	582378	11.927	302934	14.568	289400	16.062
LOWER LIMIT	145595	10.927	75733.5	13.568	72350	15.062
EPA SAMPLE NO.						
01 PB168234BS	298489	11.43	155305	14.07	159844	15.56

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

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	264162	7.602	1106060	10.37	714331	14.24
UPPER LIMIT	528324	8.102	2212120	10.872	1428660	14.742
LOWER LIMIT	132081	7.102	553030	9.872	357166	13.742
EPA SAMPLE NO.						
01 B28-SOIL-SAMPLE	237363	7.61	964853	10.38	570354	14.25
02 B27-SOIL-SAMPLE	321306	7.61	1267590	10.38	729618	14.26

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

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	1406880	17.048	1508870	21.466	1759120	24.707
UPPER LIMIT	2813760	17.548	3017740	21.966	3518240	25.207
LOWER LIMIT	703440	16.548	754435	20.966	879560	24.207
EPA SAMPLE NO.						
01 B28-SOIL-SAMPLE	1053640	17.06	1210290	21.50	1478200	24.77
02 B27-SOIL-SAMPLE	1376290	17.08	1559880	21.50	1873070	24.78

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168234BL	SDG No.:	Q2161
Lab Sample ID:	PB168234BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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	79.9	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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168234BL	SDG No.:	Q2161
Lab Sample ID:	PB168234BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168234BL	SDG No.:	Q2161
Lab Sample ID:	PB168234BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	119		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		10 - 116	78%	SPK: 150
1718-51-0	Terphenyl-d14	72.1		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	131000	6.893			
1146-65-2	Naphthalene-d8	500000	8.175			
15067-26-2	Acenaphthene-d10	273000	9.934			
1517-22-2	Phenanthrene-d10	477000	11.422			
1719-03-5	Chrysene-d12	282000	14.063			
1520-96-3	Perylene-d12	249000	15.563			

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:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168234BS	SDG No.:	Q2161
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		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	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	350		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168234BS	SDG No.:	Q2161
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		19.0	170	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168234BS	SDG No.:	Q2161
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.0		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	80.6		10 - 105	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83200	6.893			
1146-65-2	Naphthalene-d8	318000	8.181			
15067-26-2	Acenaphthene-d10	176000	9.934			
1517-22-2	Phenanthrene-d10	298000	11.428			
1719-03-5	Chrysene-d12	155000	14.069			
1520-96-3	Perylene-d12	160000	15.563			

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:	Scalamandre – Tully JV	Date Collected:	05/29/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2161
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	890		110	240	ug/Kg
108-95-2	Phenol	1000		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1100		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.1	120	ug/Kg
98-86-2	Acetophenone	1100		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		34.2	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1100		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.0	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		20.4	120	ug/Kg
91-20-3	Naphthalene	1100		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	290		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.7	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/29/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2161
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	510		33.2	120	ug/Kg
83-32-9	Acenaphthene	1200		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	77.3	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.3	120	ug/Kg
86-73-7	Fluorene	1100		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	1000		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1300		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1100		21.7	120	ug/Kg
129-00-0	Pyrene	840		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		13.7	120	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/29/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2161
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	1000		32.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.8		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	35.2		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	441000	8.181			
15067-26-2	Acenaphthene-d10	219000	9.939			
1517-22-2	Phenanthrene-d10	322000	11.428			
1719-03-5	Chrysene-d12	216000	14.069			
1520-96-3	Perylene-d12	273000	15.563			

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:	Scalamandre – Tully JV	Date Collected:	05/29/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2161
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	840		110	240	ug/Kg
108-95-2	Phenol	990		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1000		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27.1	120	ug/Kg
98-86-2	Acetophenone	1000		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	960		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		34.3	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1000		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	980		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		22.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		20.4	120	ug/Kg
91-20-3	Naphthalene	1000		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	240		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900		83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.8	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/29/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2161
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		33.2	120	ug/Kg
83-32-9	Acenaphthene	1100		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1900		170	240	ug/Kg
100-02-7	4-Nitrophenol	1900		77.3	240	ug/Kg
132-64-9	Dibenzofuran	1000		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1000		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		19.3	120	ug/Kg
86-73-7	Fluorene	1000		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	940		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1200		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1000		21.7	120	ug/Kg
129-00-0	Pyrene	780		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.7	120	ug/Kg

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/29/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2161
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	870		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	800		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	970		32.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.4		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	72.8		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.8		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.3		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	32.4		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	117000	6.898			
1146-65-2	Naphthalene-d8	430000	8.181			
15067-26-2	Acenaphthene-d10	207000	9.939			
1517-22-2	Phenanthrene-d10	290000	11.421			
1719-03-5	Chrysene-d12	208000	14.068			
1520-96-3	Perylene-d12	275000	15.562			

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

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CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF052025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue May 20 16:26:47 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF142474.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79	
3)	Pyridine	1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52	
4)	n-Nitrosodimet...	0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21	
5) S	2-Fluorophenol	1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03	
6)	Aniline	2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35	
7) S	Phenol-d6	1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77	
8)	2-Chlorophenol	1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44	
9)	Benzaldehyde	1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81	
10) C	Phenol	1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85	
11)	bis(2-Chloroet...	1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52	
12)	1,3-Dichlorobe...	1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48	
13) C	1,4-Dichlorobe...	1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70	
14)	1,2-Dichlorobe...	1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20	
15)	Benzyl Alcohol	1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69	
16)	2,2'-oxybis(1-...	2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11	
17)	2-Methylphenol	1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27	
18)	Hexachloroethane	0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23	
19) P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)	3+4-Methylphenols	1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98	
23) S	Nitrobenzene-d5	0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51	
24)	Nitrobenzene	0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94	
25)	Isophorone	0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26	
26) C	2-Nitrophenol	0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44	
27)	2,4-Dimethylph...	0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22	
28)	bis(2-Chloroet...	0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63	
29) C	2,4-Dichloroph...	0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74	
30)	1,2,4-Trichlor...	0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89	
31)	Naphthalene	1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94	
32)	Benzoic acid		0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73	
33)	4-Chloroaniline	0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87	
34) C	Hexachlorobuta...	0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52	
35)	Caprolactam	0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29	
36) C	4-Chloro-3-met...	0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02	
37)	2-Methylnaphth...	0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62	
38)	1-Methylnaphth...	0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF052025.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39	
41) P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57	
42) S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39	
43) C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69	
44)	2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27	
45) S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46	
46)	1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82	
47)	2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84	
48)	2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72	
49)	Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85	
50)	Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16	
51)	2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74	
52) C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72	
53)	3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02	
54) P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36	
55)	Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38	
56) P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57	
57)	2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62	
58)	Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85	
59)	2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71	
60)	Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51	
61)	4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25	
62)	4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95	
63)	Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72	
66) c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30	
67)	4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45	
68)	Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19	
69)	Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29	
70) C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88	
71)	Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00	
72)	Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15	
73)	Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39	
74)	Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95	
75) C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12	
78)	Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79	
79) S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80	
80)	Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54	
81)	Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36	
82)	3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30	
83)	Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20	
84)	Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91	
85) c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)	Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)	Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90) C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)	Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)	Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 11 05:56:09 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF142719.D

Compound		2.5	5.0	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465		4.40
3)	Pyridine	1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165		3.00
4)	n-Nitrosodimet...		0.558	0.590	0.591	0.633	0.617	0.588	0.596		4.36
5) S	2-Fluorophenol	1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174		4.55
6)	Aniline	1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850		3.83
7) S	Phenol-d6	1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382		3.67
8)	2-Chlorophenol	1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283		3.09
9)	Benzaldehyde		0.943	0.950	0.839	0.839	0.708		0.856		11.52
10) C	Phenol	1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536		3.42
11)	bis(2-Chloroet...	1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147		4.29
12)	1,3-Dichlorobe...	1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465		5.08
13) C	1,4-Dichlorobe...	1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480		5.34
14)	1,2-Dichlorobe...	1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419		5.83
15)	Benzyl Alcohol		0.970	1.049	1.059	1.121	1.061	1.007	1.045		4.95
16)	2,2'-oxybis(1-...	1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806		6.03
17)	2-Methylphenol	0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984		3.61
18)	Hexachloroethane	0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530		4.69
19) P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)	3+4-Methylphenols		1.261	1.285	1.246	1.299	1.218	1.134	1.240		4.80
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445		4.79
23) S	Nitrobenzene-d5	0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365		3.24
24)	Nitrobenzene	0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324		3.10
25)	Isophorone	0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619		3.77
26) C	2-Nitrophenol	0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181		3.92
27)	2,4-Dimethylph...	0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308		3.14
28)	bis(2-Chloroet...	0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384		4.31
29) C	2,4-Dichloroph...	0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284		3.51
30)	1,2,4-Trichlor...	0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314		4.42
31)	Naphthalene	1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989		5.20
32)	Benzoic acid		0.137	0.162	0.174	0.192	0.190	0.186	0.174		12.16
33)	4-Chloroaniline	0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397		4.68
34) C	Hexachlorobuta...	0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200		4.41
35)	Caprolactam		0.077	0.079	0.075	0.079	0.077	0.074	0.077		2.82
36) C	4-Chloro-3-met...	0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296		4.76
37)	2-Methylnaphth...	0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626		5.72
38)	1-Methylnaphth...	0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649		7.16

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64	
41) P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64	
42) S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28	
43) C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79	
44)	2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61	
45) S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04	
46)	1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39	
47)	2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82	
48)	2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38	
49)	Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65	
50)	Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42	
51)	2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49	
52) C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80	
53)	3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08	
54) P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18	
55)	Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93	
56) P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42	
57)	2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73	
58)	Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49	
59)	2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58	
60)	Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55	
61)	4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84	
62)	4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58	
63)	Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17	
66) c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45	
67)	4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52	
68)	Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17	
69)	Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33	
70) C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80	
71)	Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61	
72)	Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96	
73)	Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07	
74)	Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76	
75) C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40	
78)	Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75	
79) S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11	
80)	Butylbenzylpht...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67	
81)	Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94	
82)	3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88	
83)	Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72	
84)	Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02	
85) c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.438	1.406	1.458	1.498	1.602	1.514	1.460	1.482	4.31
88)	Benzo(b)fluora...	1.256	1.094	1.112	1.162	1.230	1.251	1.139	1.178	5.71
89)	Benzo(k)fluora...	1.236	1.178	1.245	1.076	1.189	1.035	1.039	1.143	7.94
90) C	Benzo(a)pyrene	1.164	1.085	1.122	1.104	1.184	1.111	1.068	1.120	3.70
91)	Dibenzo(a,h)an...	1.134	1.176	1.214	1.236	1.318	1.222	1.172	1.210	4.87
92)	Benzo(g,h,i)pe...	1.201	1.164	1.178	1.216	1.295	1.207	1.163	1.203	3.77

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP024867.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3) Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4) n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5) S 2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6) Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7) S Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8) 2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9) Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10) C Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11) bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12) 1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13) C 1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14) 1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15) Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16) 2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17) 2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18) Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19) P n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20) 3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23) S Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24) Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25) Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26) C 2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27) 2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28) bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29) C 2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30) 1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31) Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32) Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33) 4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34) C Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35) Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36) C 4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37) 2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38) 1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP060625.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31	
41) P	Hexachlorocycl...	0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74		
42) S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26	
43) C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86	
44)	2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44	
45) S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44	
46)	1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05	
47)	2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16	
48)	2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59	
49)	Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19	
50)	Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45	
51)	2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86	
52) C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86	
53)	3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74	
54) P	2,4-Dinitrophenol	0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23		
55)	Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22	
56) P	4-Nitrophenol	0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62		
57)	2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45	
58)	Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77	
59)	2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04	
60)	Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27	
61)	4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06	
62)	4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69	
63)	Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78		
66) c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68	
67)	4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83	
68)	Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31	
69)	Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16	
70) C	Pentachlorophenol	0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21		
71)	Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12	
72)	Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58	
73)	Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83	
74)	Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81	
75) C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54		
78)	Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41	
79) S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57	
80)	Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74	
81)	Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73	
82)	3,3'-Dichlorob...	0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29		
83)	Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13	
84)	Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87	
85) c	Di-n-octyl pht...	1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25		

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)	Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)	Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90) C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)	Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)	Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.156		-2.6	
Benzaldehyde	0.859	0.791		-7.9	
Phenol-d6	1.429	1.374		-3.8	
Phenol	1.608	1.544		-4.0	20.0
bis(2-Chloroethyl)ether	1.157	1.116		-3.5	
2-Chlorophenol	1.293	1.243		-3.9	
2-Methylphenol	1.010	0.963		-4.7	
2,2-oxybis(1-Chloropropane)	1.944	1.855		-4.6	
Acetophenone	0.443	0.408		-7.9	
3+4-Methylphenols	1.293	1.188		-8.1	
n-Nitroso-di-n-propylamine	0.886	0.792	0.050	-10.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.474		-6.5	
Nitrobenzene	0.331	0.315		-4.8	
Isophorone	0.613	0.561		-8.5	
2-Nitrophenol	0.177	0.169		-4.5	20.0
2,4-Dimethylphenol	0.312	0.296		-5.1	
bis(2-Chloroethoxy)methane	0.383	0.360		-6.0	
2,4-Dichlorophenol	0.283	0.274		-3.2	20.0
Naphthalene	0.985	0.937		-4.9	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.178		-7.3	20.0
Caprolactam	0.080	0.075		-6.3	
4-Chloro-3-methylphenol	0.291	0.269		-7.6	20.0
2-Methylnaphthalene	0.620	0.571		-7.9	
Hexachlorocyclopentadiene	0.387	0.343	0.050	-11.4	
2,4,6-Trichlorophenol	0.387	0.373		-3.6	20.0
2-Fluorobiphenyl	1.490	1.357		-8.9	
2,4,5-Trichlorophenol	0.408	0.387		-5.1	
1,1-Biphenyl	1.552	1.460		-5.9	
2-Chloronaphthalene	1.146	1.090		-4.9	
2-Nitroaniline	0.331	0.319		-3.6	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.834		-5.3	
2,6-Dinitrotoluene	0.285	0.272		-4.6	
3-Nitroaniline	0.311	0.305		-1.9	
Acenaphthene	1.182	1.107		-6.3	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.211	0.050	-8.3	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.600		-5.9	
2,4-Dinitrotoluene	0.372	0.358		-3.8	
Diethylphthalate	1.289	1.171		-9.2	
4-Chlorophenyl-phenylether	0.646	0.593		-8.2	
Fluorene	1.314	1.236		-5.9	
4-Nitroaniline	0.282	0.275		-2.5	
4,6-Dinitro-2-methylphenol	0.112	0.111		-0.9	
n-Nitrosodiphenylamine	0.684	0.648		-5.3	20.0
2,4,6-Tribromophenol	0.222	0.201		-9.5	
4-Bromophenyl-phenylether	0.236	0.221		-6.4	
Hexachlorobenzene	0.262	0.247		-5.7	
Atrazine	0.182	0.171		-6.0	
Pentachlorophenol	0.148	0.133		-10.1	20.0
Phenanthrene	1.069	1.000		-6.5	
Anthracene	1.091	1.035		-5.1	
Carbazole	0.933	0.886		-5.0	
Di-n-butylphthalate	1.021	0.914		-10.5	
Fluoranthene	0.999	0.923		-7.6	20.0
Pyrene	1.866	1.749		-6.3	
Terphenyl-d14	1.464	1.299		-11.3	
Butylbenzylphthalate	0.516	0.522		1.2	
3,3-Dichlorobenzidine	0.405	0.435		7.4	
Benzo (a) anthracene	1.336	1.239		-7.3	
Chrysene	1.200	1.139		-5.1	
Bis(2-ethylhexyl)phthalate	0.660	0.755		14.4	
Di-n-octyl phthalate	1.290	1.401		8.6	20.0
Benzo (b) fluoranthene	1.184	1.206		1.9	
Benzo (k) fluoranthene	1.109	0.924		-16.7	
Benzo (a) pyrene	1.116	1.062		-4.8	20.0
Indeno (1,2,3-cd) pyrene	1.501	1.347		-10.3	
Dibenzo (a,h) anthracene	1.218	1.086		-10.8	
Benzo (g,h,i) perylene	1.218	1.074		-11.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.556		-3.1	
1,4-Dioxane	0.475	0.476		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.321		-5.9	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.141		-2.8	
Benzaldehyde	0.856	0.818		-4.4	
Phenol-d6	1.382	1.367		-1.1	
Phenol	1.536	1.528		-0.5	20.0
bis(2-Chloroethyl)ether	1.147	1.136		-1.0	
2-Chlorophenol	1.283	1.259		-1.9	
2-Methylphenol	0.984	0.985		0.1	
2,2-oxybis(1-Chloropropane)	1.806	1.799		-0.4	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.240	1.242		0.2	
n-Nitroso-di-n-propylamine	0.880	0.889	0.050	1.0	
Nitrobenzene-d5	0.365	0.358		-1.9	
Hexachloroethane	0.530	0.508		-4.2	
Nitrobenzene	0.324	0.320		-1.2	
Isophorone	0.619	0.614		-0.8	
2-Nitrophenol	0.181	0.182		0.6	20.0
2,4-Dimethylphenol	0.308	0.305		-1.0	
bis(2-Chloroethoxy)methane	0.384	0.380		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	0.989	0.976		-1.3	
4-Chloroaniline	0.397	0.399		0.5	
Hexachlorobutadiene	0.200	0.197		-1.5	20.0
Caprolactam	0.077	0.080		3.9	
4-Chloro-3-methylphenol	0.296	0.295		-0.3	20.0
2-Methylnaphthalene	0.626	0.619		-1.1	
Hexachlorocyclopentadiene	0.372	0.369	0.050	-0.8	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.452		-3.5	
2,4,5-Trichlorophenol	0.405	0.395		-2.5	
1,1-Biphenyl	1.553	1.516		-2.4	
2-Chloronaphthalene	1.144	1.134		-0.9	
2-Nitroaniline	0.325	0.326		0.3	
Dimethylphthalate	1.336	1.325		-0.8	
Acenaphthylene	1.929	1.891		-2.0	
2,6-Dinitrotoluene	0.289	0.285		-1.4	
3-Nitroaniline	0.313	0.309		-1.3	
Acenaphthene	1.196	1.172		-2.0	20.0
2,4-Dinitrophenol	0.158	0.159	0.050	0.6	
4-Nitrophenol	0.212	0.215	0.050	1.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.673		-1.8	
2,4-Dinitrotoluene	0.382	0.392		2.6	
Diethylphthalate	1.324	1.318		-0.5	
4-Chlorophenyl-phenylether	0.657	0.651		-0.9	
Fluorene	1.345	1.301		-3.3	
4-Nitroaniline	0.280	0.290		3.6	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.687	0.667		-2.9	20.0
2,4,6-Tribromophenol	0.219	0.218		-0.5	
4-Bromophenyl-phenylether	0.236	0.233		-1.3	
Hexachlorobenzene	0.262	0.255		-2.7	
Atrazine	0.183	0.192		4.9	
Pentachlorophenol	0.137	0.138		0.7	20.0
Phenanthrene	1.071	1.043		-2.6	
Anthracene	1.108	1.070		-3.4	
Carbazole	0.928	0.921		-0.8	
Di-n-butylphthalate	1.036	1.101		6.3	
Fluoranthene	1.019	1.017		-0.2	20.0
Pyrene	1.859	1.904		2.4	
Terphenyl-d14	1.456	1.502		3.2	
Butylbenzylphthalate	0.550	0.589		7.1	
3,3-Dichlorobenzidine	0.427	0.407		-4.7	
Benzo (a) anthracene	1.325	1.330		0.4	
Chrysene	1.224	1.168		-4.6	
Bis(2-ethylhexyl)phthalate	0.825	0.821		-0.5	
Di-n-octyl phthalate	1.582	1.500		-5.2	20.0
Benzo (b) fluoranthene	1.178	1.192		1.2	
Benzo (k) fluoranthene	1.143	1.132		-1.0	
Benzo (a) pyrene	1.120	1.112		-0.7	20.0
Indeno (1,2,3-cd) pyrene	1.482	1.501		1.3	
Dibenzo (a,h) anthracene	1.210	1.240		2.5	
Benzo (g,h,i) perylene	1.203	1.196		-0.6	
1,2,4,5-Tetrachlorobenzene	0.579	0.567		-2.1	
1,4-Dioxane	0.465	0.450		-3.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.335		-1.5	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.199		0.1	
Benzaldehyde	0.914	0.959		4.9	
Phenol-d6	1.585	1.573		-0.8	
Phenol	1.634	1.630		-0.2	20.0
bis(2-Chloroethyl)ether	1.285	1.306		1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.143		0.2	
2,2-oxybis(1-Chloropropane)	1.682	1.667		-0.9	
Acetophenone	0.505	0.510		1.0	
3+4-Methylphenols	1.557	1.543		-0.9	
n-Nitroso-di-n-propylamine	1.078	1.086	0.050	0.7	
Nitrobenzene-d5	0.412	0.415		0.7	
Hexachloroethane	0.576	0.567		-1.6	
Nitrobenzene	0.366	0.363		-0.8	
Isophorone	0.713	0.722		1.3	
2-Nitrophenol	0.180	0.191		6.1	20.0
2,4-Dimethylphenol	0.309	0.317		2.6	
bis(2-Chloroethoxy)methane	0.426	0.432		1.4	
2,4-Dichlorophenol	0.296	0.306		3.4	20.0
Naphthalene	1.025	1.011		-1.4	
4-Chloroaniline	0.429	0.441		2.8	
Hexachlorobutadiene	0.201	0.205		2.0	20.0
Caprolactam	0.109	0.110		0.9	
4-Chloro-3-methylphenol	0.342	0.345		0.9	20.0
2-Methylnaphthalene	0.650	0.651		0.2	
Hexachlorocyclopentadiene	0.346	0.335	0.050	-3.2	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.475		-0.7	
2,4,5-Trichlorophenol	0.408	0.423		3.7	
1,1-Biphenyl	1.453	1.451		-0.1	
2-Chloronaphthalene	1.117	1.112		-0.4	
2-Nitroaniline	0.343	0.341		-0.6	
Dimethylphthalate	1.475	1.472		-0.2	
Acenaphthylene	1.863	1.865		0.1	
2,6-Dinitrotoluene	0.318	0.321		0.9	
3-Nitroaniline	0.330	0.340		3.0	
Acenaphthene	1.067	1.066		-0.1	20.0
2,4-Dinitrophenol	0.178	0.187	0.050	5.1	
4-Nitrophenol	0.239	0.238	0.050	-0.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.701		-0.7	
2,4-Dinitrotoluene	0.445	0.463		4.0	
Diethylphthalate	1.470	1.494		1.6	
4-Chlorophenyl-phenylether	0.677	0.688		1.6	
Fluorene	1.384	1.390		0.4	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.134		2.3	
n-Nitrosodiphenylamine	0.620	0.609		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.294		6.1	
4-Bromophenyl-phenylether	0.226	0.231		2.2	
Hexachlorobenzene	0.274	0.269		-1.8	
Atrazine	0.225	0.233		3.6	
Pentachlorophenol	0.142	0.159		12.0	20.0
Phenanthrene	1.105	1.093		-1.1	
Anthracene	1.119	1.109		-0.9	
Carbazole	1.038	1.036		-0.2	
Di-n-butylphthalate	1.285	1.380		7.4	
Fluoranthene	1.281	1.281		0.0	20.0
Pyrene	1.249	1.222		-2.2	
Terphenyl-d14	1.116	1.120		0.4	
Butylbenzylphthalate	0.572	0.600		4.9	
3,3-Dichlorobenzidine	0.508	0.519		2.2	
Benzo (a) anthracene	1.279	1.262		-1.3	
Chrysene	1.212	1.194		-1.5	
Bis(2-ethylhexyl)phthalate	0.820	0.906		10.5	
Di-n-octyl phthalate	1.445	1.569		8.6	20.0
Benzo (b) fluoranthene	1.145	1.151		0.5	
Benzo (k) fluoranthene	1.165	1.135		-2.6	
Benzo (a) pyrene	1.118	1.119		0.1	20.0
Indeno (1,2,3-cd) pyrene	1.459	1.445		-1.0	
Dibenzo (a,h) anthracene	1.188	1.179		-0.8	
Benzo (g,h,i) perylene	1.179	1.134		-3.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.568		0.0	
1,4-Dioxane	0.527	0.493		-6.5	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.377		3.3	

All other compounds must meet a minimum RRF of 0.010.