

LAB CHRONICLE

OrderID:	Q3193	OrderDate:	9/25/2025 9:02:00 AM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3193-01	RW10-MW01D-20250923	Water			09/23/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-04	TT149S1-20250922	Water			09/22/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-05	RE137-20250922	Water			09/22/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-06	RW4-20250922	Water			09/22/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-07	GM38-RW3-MW1-20250922	Water			09/22/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-08	TT20551-20250923	Water			09/23/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-09	RW10A-MW01I-20250923	Water			09/23/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-10	RW8-MW01S-20250923	Water			09/23/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-11	TT172S1-20250923	Water			09/23/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	09/30/25	
Q3193-12	DUP12-20250923	Water			09/23/25			09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25	

LAB CHRONICLE

Q3193-13	RW10A-MW01S-2025 0923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-14	RW8-MW01D1-20250 923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-15	DUP11-20250923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-16	TT161S1-20250923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-17	RE103D1-20250923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-18	MW203D-20250923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-19	EB04-20250923	Water			09/23/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-20	TT174I1-20250924	Water			09/24/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-21	TT162S1-20250924	Water			09/24/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25
Q3193-22	RE120D3-20250924	Water			09/24/25		09/24/25
			SVOC-SIMGroup1	8270-Modified		09/29/25	10/01/25

Hit Summary Sheet SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	TT149S1-20250922							
Q3193-04	TT149S1-20250922	WATER	1,4-Dioxane	0.180	J	0.07	0.2	ug/L
			Total Svoc :	0.18				
			Total Concentration:	0.18				
Client ID :	RE137-20250922							
Q3193-05	RE137-20250922	WATER	1,4-Dioxane	4.400		0.07	0.2	ug/L
			Total Svoc :	4.40				
			Total Concentration:	4.40				
Client ID :	RW4-20250922							
Q3193-06	RW4-20250922	WATER	1,4-Dioxane	3.200		0.07	0.2	ug/L
			Total Svoc :	3.20				
			Total Concentration:	3.20				
Client ID :	GM38-RW3-MW1-20250922							
Q3193-07	GM38-RW3-MW1-20250922	WATER	1,4-Dioxane	1.800		0.07	0.2	ug/L
			Total Svoc :	1.80				
			Total Concentration:	1.80				
Client ID :	TT20551-20250923							
Q3193-08	TT20551-20250923	WATER	1,4-Dioxane	0.310		0.07	0.21	ug/L
			Total Svoc :	0.31				
			Total Concentration:	0.31				
Client ID :	RW8-MW01S-20250923							
Q3193-10	RW8-MW01S-20250923	WATER	1,4-Dioxane	0.500		0.07	0.2	ug/L
			Total Svoc :	0.50				
			Total Concentration:	0.50				
Client ID :	TT172S1-20250923							
Q3193-11	TT172S1-20250923	WATER	1,4-Dioxane	1.200		0.07	0.2	ug/L
			Total Svoc :	1.20				
			Total Concentration:	1.20				
Client ID :	DUP12-20250923							
Q3193-12	DUP12-20250923	WATER	1,4-Dioxane	0.140	J	0.07	0.2	ug/L
			Total Svoc :	0.14				
			Total Concentration:	0.14				
Client ID :	RW10A-MW01S-20250923							
Q3193-13	RW10A-MW01S-20250923	WATER	1,4-Dioxane	0.080	J	0.07	0.2	ug/L
			Total Svoc :	0.08				

Hit Summary Sheet SW-846

SDG No.: Q3193
Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	0.08					
Client ID :	RW8-MW01D1-20250923								
Q3193-14	RW8-MW01D1-2025092	WATER	1,4-Dioxane	0.070	J	0.07	0.2	0.2	ug/L
			Total Svoc :	0.07					
			Total Concentration:	0.07					
Client ID :	DUP11-20250923								
Q3193-15	DUP11-20250923	WATER	1,4-Dioxane	0.510		0.07	0.2	0.2	ug/L
			Total Svoc :	0.51					
			Total Concentration:	0.51					
Client ID :	TT161S1-20250923								
Q3193-16	TT161S1-20250923	WATER	1,4-Dioxane	0.200	J	0.07	0.21	0.21	ug/L
			Total Svoc :	0.20					
			Total Concentration:	0.20					
Client ID :	RE103D1-20250923								
Q3193-17	RE103D1-20250923	WATER	1,4-Dioxane	4.900		0.07	0.2	0.2	ug/L
			Total Svoc :	4.90					
			Total Concentration:	4.90					
Client ID :	MW203D-20250923								
Q3193-18	MW203D-20250923	WATER	1,4-Dioxane	0.150	J	0.07	0.2	0.2	ug/L
			Total Svoc :	0.15					
			Total Concentration:	0.15					
Client ID :	EB04-20250923								
Q3193-19	EB04-20250923	WATER	1,4-Dioxane	0.100	J	0.07	0.2	0.2	ug/L
			Total Svoc :	0.10					
			Total Concentration:	0.10					
Client ID :	TT174I1-20250924								
Q3193-20	TT174I1-20250924	WATER	1,4-Dioxane	0.510		0.07	0.2	0.2	ug/L
			Total Svoc :	0.51					
			Total Concentration:	0.51					
Client ID :	TT162S1-20250924								
Q3193-21	TT162S1-20250924	WATER	1,4-Dioxane	0.290		0.07	0.2	0.2	ug/L
			Total Svoc :	0.29					
			Total Concentration:	0.29					
Client ID :	RE120D3-20250924								
Q3193-22	RE120D3-20250924	WATER	1,4-Dioxane	0.130	J	0.07	0.2	0.2	ug/L
			Total Svoc :	0.13					



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3193
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
		Total Concentration:			0.13			



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037947.D	1	09/29/25 08:43	09/30/25 14:42	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		136%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7880	7.811				
1146-65-2	Naphthalene-d8	23200	10.616				
15067-26-2	Acenaphthene-d10	11900	14.473				
1517-22-2	Phenanthrene-d10	24600	17.211				
1719-03-5	Chrysene-d12	20500	21.402				
1520-96-3	Perylene-d12	17600	23.727				

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	TT149S1-20250922		SDG No.:	Q3193
Lab Sample ID:	Q3193-04		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037950.D	1	09/29/25 08:43	09/30/25 17:46	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.18	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		131%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8550	7.811				
1146-65-2	Naphthalene-d8	24700	10.616				
15067-26-2	Acenaphthene-d10	13200	14.462				
1517-22-2	Phenanthrene-d10	27300	17.211				
1719-03-5	Chrysene-d12	24000	21.393				
1520-96-3	Perylene-d12	22200	23.721				

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Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RE137-20250922		SDG No.:	Q3193
Lab Sample ID:	Q3193-05		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037951.D	1	09/29/25 08:43	09/30/25 18:22	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7660	7.811				
1146-65-2	Naphthalene-d8	22200	10.616				
15067-26-2	Acenaphthene-d10	11700	14.462				
1517-22-2	Phenanthrene-d10	23900	17.211				
1719-03-5	Chrysene-d12	23900	21.393				
1520-96-3	Perylene-d12	22400	23.721				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RW4-20250922		SDG No.:	Q3193
Lab Sample ID:	Q3193-06		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037952.D	1	09/29/25 08:43	09/30/25 18:59	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7790	7.811				
1146-65-2	Naphthalene-d8	22500	10.616				
15067-26-2	Acenaphthene-d10	11800	14.462				
1517-22-2	Phenanthrene-d10	24700	17.211				
1719-03-5	Chrysene-d12	21500	21.393				
1520-96-3	Perylene-d12	19700	23.721				

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Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	GM38-RW3-MW1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037953.D	1	09/29/25 08:43	09/30/25 19:35	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.80		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7380	7.811				
1146-65-2	Naphthalene-d8	21400	10.616				
15067-26-2	Acenaphthene-d10	11300	14.462				
1517-22-2	Phenanthrene-d10	23700	17.211				
1719-03-5	Chrysene-d12	20300	21.393				
1520-96-3	Perylene-d12	18600	23.721				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	TT20551-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-08		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037954.D	1	09/29/25 08:43	09/30/25 20:12	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		71%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8400	7.811				
1146-65-2	Naphthalene-d8	26000	10.616				
15067-26-2	Acenaphthene-d10	13500	14.473				
1517-22-2	Phenanthrene-d10	27200	17.211				
1719-03-5	Chrysene-d12	23500	21.393				
1520-96-3	Perylene-d12	21500	23.718				

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RW10A-MW01I-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-09		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037955.D	1	09/29/25 08:43	09/30/25 20:48	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		129%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7050	7.811				
1146-65-2	Naphthalene-d8	21500	10.615				
15067-26-2	Acenaphthene-d10	11200	14.462				
1517-22-2	Phenanthrene-d10	23300	17.21				
1719-03-5	Chrysene-d12	19800	21.393				
1520-96-3	Perylene-d12	17700	23.721				

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:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-10	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037956.D	1	09/29/25 08:43	09/30/25 21:25	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8340	7.811				
1146-65-2	Naphthalene-d8	24200	10.615				
15067-26-2	Acenaphthene-d10	12800	14.462				
1517-22-2	Phenanthrene-d10	26900	17.21				
1719-03-5	Chrysene-d12	23300	21.393				
1520-96-3	Perylene-d12	20300	23.718				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	TT172S1-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-11		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037957.D	1	09/29/25 08:43	09/30/25 22:01	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		73%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7100	7.811				
1146-65-2	Naphthalene-d8	20500	10.616				
15067-26-2	Acenaphthene-d10	11000	14.462				
1517-22-2	Phenanthrene-d10	23400	17.211				
1719-03-5	Chrysene-d12	19800	21.393				
1520-96-3	Perylene-d12	17500	23.718				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	DUP12-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-12		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037963.D	1	09/29/25 08:43	10/01/25 02:23	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.14	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		124%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7310	7.811				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.462				
1517-22-2	Phenanthrene-d10	22000	17.211				
1719-03-5	Chrysene-d12	19000	21.393				
1520-96-3	Perylene-d12	15000	23.718				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RW10A-MW01S-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-13		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037964.D	1	09/29/25 08:43	10/01/25 02:59	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.080	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		64%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		67%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7500	7.811				
1146-65-2	Naphthalene-d8	21500	10.616				
15067-26-2	Acenaphthene-d10	11500	14.463				
1517-22-2	Phenanthrene-d10	24800	17.211				
1719-03-5	Chrysene-d12	17200	21.393				
1520-96-3	Perylene-d12	13300	23.721				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RW8-MW01D1-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-14		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037965.D	1	09/29/25 08:43	10/01/25 03:35	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.070	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7630	7.811				
1146-65-2	Naphthalene-d8	22000	10.615				
15067-26-2	Acenaphthene-d10	11700	14.462				
1517-22-2	Phenanthrene-d10	24200	17.21				
1719-03-5	Chrysene-d12	19100	21.393				
1520-96-3	Perylene-d12	15200	23.721				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	DUP11-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-15		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037966.D	1	09/29/25 08:43	10/01/25 04:12	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.51		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		115%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7430	7.811				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	10700	14.462				
1517-22-2	Phenanthrene-d10	20900	17.211				
1719-03-5	Chrysene-d12	13600	21.393				
1520-96-3	Perylene-d12	11900	23.721				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	TT161S1-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-16		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037967.D	1	09/29/25 08:43	10/01/25 04:48	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	J	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		118%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7400	7.811				
1146-65-2	Naphthalene-d8	19700	10.616				
15067-26-2	Acenaphthene-d10	10800	14.462				
1517-22-2	Phenanthrene-d10	22800	17.211				
1719-03-5	Chrysene-d12	21700	21.393				
1520-96-3	Perylene-d12	18000	23.718				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-17	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037968.D	1	09/29/25 08:43	10/01/25 05:24	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.90		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		129%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8940	7.811				
1146-65-2	Naphthalene-d8	25300	10.616				
15067-26-2	Acenaphthene-d10	13200	14.462				
1517-22-2	Phenanthrene-d10	24700	17.211				
1719-03-5	Chrysene-d12	18300	21.393				
1520-96-3	Perylene-d12	14300	23.721				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	MW203D-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-18		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037969.D	1	09/29/25 08:43	10/01/25 06:00	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.15	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7660	7.811				
1146-65-2	Naphthalene-d8	23000	10.616				
15067-26-2	Acenaphthene-d10	11400	14.462				
1517-22-2	Phenanthrene-d10	23200	17.211				
1719-03-5	Chrysene-d12	17300	21.393				
1520-96-3	Perylene-d12	13500	23.718				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	EB04-20250923		SDG No.:	Q3193
Lab Sample ID:	Q3193-19		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037970.D	1	09/29/25 08:43	10/01/25 06:36	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.10	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.25		30 - 150		63%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7740	7.811				
1146-65-2	Naphthalene-d8	20000	10.616				
15067-26-2	Acenaphthene-d10	10100	14.462				
1517-22-2	Phenanthrene-d10	18500	17.211				
1719-03-5	Chrysene-d12	12500	21.393				
1520-96-3	Perylene-d12	11300	23.721				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	TT174I1-20250924		SDG No.:	Q3193
Lab Sample ID:	Q3193-20		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037971.D	1	09/29/25 08:43	10/01/25 07:13	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.51		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7090	7.811				
1146-65-2	Naphthalene-d8	20600	10.616				
15067-26-2	Acenaphthene-d10	11000	14.463				
1517-22-2	Phenanthrene-d10	22500	17.211				
1719-03-5	Chrysene-d12	18100	21.393				
1520-96-3	Perylene-d12	15000	23.721				

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:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT162S1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-21		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037972.D	1	09/29/25 08:43	10/01/25 07:49	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.29		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		107%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7340	7.811				
1146-65-2	Naphthalene-d8	21400	10.615				
15067-26-2	Acenaphthene-d10	11400	14.462				
1517-22-2	Phenanthrene-d10	23700	17.21				
1719-03-5	Chrysene-d12	24500	21.393				
1520-96-3	Perylene-d12	21900	23.721				

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:	AECOM Technical Services, Inc.		Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RE120D3-20250924		SDG No.:	Q3193
Lab Sample ID:	Q3193-22		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037973.D	1	09/29/25 08:43	10/01/25 08:25	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.13	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8840	7.811				
1146-65-2	Naphthalene-d8	23700	10.615				
15067-26-2	Acenaphthene-d10	13000	14.462				
1517-22-2	Phenanthrene-d10	27100	17.21				
1719-03-5	Chrysene-d12	22500	21.393				
1520-96-3	Perylene-d12	19200	23.721				

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.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169886BL	PB169886BL	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
PB169886BS	PB169886BS	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3193-01	RW10-MW01D-20250923	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.55	136	*	58	132
Q3193-02MS	RW10-MW01D-20250923MS	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q3193-03MSD	RW10-MW01D-20250923MSD	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3193-04	TT149S1-20250922	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
		Terphenyl-d14	0.4	0.52	131		58	132
Q3193-05	RE137-20250922	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.40	101		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q3193-06	RW4-20250922	2-Methylnaphthalene-d10	0.4	0.26	65		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.52	130		58	132
Q3193-07	GM38-RW3-MW1-20250922	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3193-08	TT20551-20250923	2-Methylnaphthalene-d10	0.4	0.28	71		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
Q3193-09	RW10A-MW01I-20250923	2-Methylnaphthalene-d10	0.4	0.34	85		30	150

Surrogate Summary

SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3193-09	RW10A-MW01I-20250923	Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.52	129		58	132
Q3193-10	RW8-MW01S-20250923	2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
Q3193-11	TT172S1-20250923	Terphenyl-d14	0.4	0.50	125		58	132
		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
Q3193-12	DUP12-20250923	2-Fluorobiphenyl	0.4	0.29	73		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
		2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
Q3193-13	RW10A-MW01S-20250923	Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.50	124		58	132
		2-Methylnaphthalene-d10	0.4	0.26	64		30	150
Q3193-14	RW8-MW01D1-20250923	Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.27	67		53	106
		Terphenyl-d14	0.4	0.47	116		58	132
Q3193-15	DUP11-20250923	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
Q3193-16	TT161S1-20250923	Terphenyl-d14	0.4	0.43	106		58	132
		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
Q3193-17	RE103D1-20250923	2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.46	115		58	132
		2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.47	118		30	150
Q3193-18	MW203D-20250923	Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
		2-Methylnaphthalene-d10	0.4	0.35	88		30	150
Q3193-19	EB04-20250923	Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.52	129		58	132
Q3193-19	EB04-20250923	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
Q3193-19	EB04-20250923	Terphenyl-d14	0.4	0.46	114		58	132
		2-Methylnaphthalene-d10	0.4	0.25	63		30	150
Q3193-19	EB04-20250923	Fluoranthene-d10	0.4	0.30	75		30	150

Surrogate Summary

SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3193-19	EB04-20250923	Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q3193-20	TT174I1-20250924	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
Q3193-21	TT162S1-20250924	2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
Q3193-22	RE120D3-20250924	Fluoranthene-d10	0.4	0.42	106		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
		2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.45	113		58	132



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:

Q3193

Analytical Method:

SW8270-Modified

Client:

AECOM Technical Services, Inc.

DataFile:

BN037948.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3193-02MS	Client Sample ID:	RW10-MW01D-20250923MS								
1,4-Dioxane	0.4	0	0.33	ug/L	83				70	130	



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:

Q3193

Analytical Method:

SW8270-Modified

Client:

AECOM Technical Services, Inc.

DataFile:

BN037949.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3193-03MSD	Client Sample ID:	RW10-MW01D-20250923MSD								
1,4-Dioxane	0.4	0	0.31	ug/L	78		6		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3193

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037958.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169886BS	1,4-Dioxane	0.4	0.30	ug/L	75				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169886BL

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3193

Lab File ID: BN037962.D

Lab Sample ID: PB169886BL

Instrument ID: BNA_N

Date Extracted: 09/29/2025

Matrix: (soil/water) Water

Date Analyzed: 10/01/2025

Level: (low/med) LOW

Time Analyzed: 01:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169886BS	PB169886BS	BN037958.D	09/30/2025
RW10-MW01D-20250923	Q3193-01	BN037947.D	09/30/2025
RW10-MW01D-20250923MS	Q3193-02MS	BN037948.D	09/30/2025
RW10-MW01D-20250923MSD	Q3193-03MSD	BN037949.D	09/30/2025
TT149S1-20250922	Q3193-04	BN037950.D	09/30/2025
RE137-20250922	Q3193-05	BN037951.D	09/30/2025
RW4-20250922	Q3193-06	BN037952.D	09/30/2025
GM38-RW3-MW1-20250922	Q3193-07	BN037953.D	09/30/2025
TT20551-20250923	Q3193-08	BN037954.D	09/30/2025
RW10A-MW01I-20250923	Q3193-09	BN037955.D	09/30/2025
RW8-MW01S-20250923	Q3193-10	BN037956.D	09/30/2025
TT172S1-20250923	Q3193-11	BN037957.D	09/30/2025
DUP12-20250923	Q3193-12	BN037963.D	10/01/2025
RW10A-MW01S-20250923	Q3193-13	BN037964.D	10/01/2025
RW8-MW01D1-20250923	Q3193-14	BN037965.D	10/01/2025
DUP11-20250923	Q3193-15	BN037966.D	10/01/2025
TT161S1-20250923	Q3193-16	BN037967.D	10/01/2025
RE103D1-20250923	Q3193-17	BN037968.D	10/01/2025
MW203D-20250923	Q3193-18	BN037969.D	10/01/2025
EB04-20250923	Q3193-19	BN037970.D	10/01/2025
TT174I1-20250924	Q3193-20	BN037971.D	10/01/2025
TT162S1-20250924	Q3193-21	BN037972.D	10/01/2025
RE120D3-20250924	Q3193-22	BN037973.D	10/01/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037860.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3193
DFTPP Injection Date: 09/23/2025
DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
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	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	72.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.8) 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
SSTDICC0.1	SSTDICC0.1	BN037861.D	09/23/2025	12:13
SSTDICC0.2	SSTDICC0.2	BN037862.D	09/23/2025	12:49
SSTDICCC0.4	SSTDICCC0.4	BN037863.D	09/23/2025	13:25
SSTDICC0.8	SSTDICC0.8	BN037864.D	09/23/2025	14:02
SSTDICC1.6	SSTDICC1.6	BN037865.D	09/23/2025	14:38
SSTDICC3.2	SSTDICC3.2	BN037866.D	09/23/2025	15:15
SSTDICC5.0	SSTDICC5.0	BN037867.D	09/23/2025	15:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037942.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3193
DFTPP Injection Date: 09/30/2025
DFTPP Injection Time: 11:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
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
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	76.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (21) 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
SSTDCCC0.4	SSTDCCC0.4	BN037943.D	09/30/2025	12:16
RW10-MW01D-20250923	Q3193-01	BN037947.D	09/30/2025	14:42
RW10-MW01D-20250923MS	Q3193-02MS	BN037948.D	09/30/2025	16:33
RW10-MW01D-20250923MSD	Q3193-03MSD	BN037949.D	09/30/2025	17:09
TT149S1-20250922	Q3193-04	BN037950.D	09/30/2025	17:46
RE137-20250922	Q3193-05	BN037951.D	09/30/2025	18:22
RW4-20250922	Q3193-06	BN037952.D	09/30/2025	18:59
GM38-RW3-MW1-20250922	Q3193-07	BN037953.D	09/30/2025	19:35
TT20551-20250923	Q3193-08	BN037954.D	09/30/2025	20:12
RW10A-MW01I-20250923	Q3193-09	BN037955.D	09/30/2025	20:48
RW8-MW01S-20250923	Q3193-10	BN037956.D	09/30/2025	21:25
TT172S1-20250923	Q3193-11	BN037957.D	09/30/2025	22:01
PB169886BS	PB169886BS	BN037958.D	09/30/2025	22:37
SSTDCCC0.4EC	SSTDCCC0.4	BN037959.D	09/30/2025	23:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037960.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3193
DFTPP Injection Date: 10/01/2025
DFTPP Injection Time: 00:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
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	7.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	81.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.3 (20.9) 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
SSTDCCC0.4	SSTDCCC0.4	BN037961.D	10/01/2025	01:10
PB169886BL	PB169886BL	BN037962.D	10/01/2025	01:46
DUP12-20250923	Q3193-12	BN037963.D	10/01/2025	02:23
RW10A-MW01S-20250923	Q3193-13	BN037964.D	10/01/2025	02:59
RW8-MW01D1-20250923	Q3193-14	BN037965.D	10/01/2025	03:35
DUP11-20250923	Q3193-15	BN037966.D	10/01/2025	04:12
TT161S1-20250923	Q3193-16	BN037967.D	10/01/2025	04:48
RE103D1-20250923	Q3193-17	BN037968.D	10/01/2025	05:24
MW203D-20250923	Q3193-18	BN037969.D	10/01/2025	06:00
EB04-20250923	Q3193-19	BN037970.D	10/01/2025	06:36
TT174I1-20250924	Q3193-20	BN037971.D	10/01/2025	07:13
TT162S1-20250924	Q3193-21	BN037972.D	10/01/2025	07:49
RE120D3-20250924	Q3193-22	BN037973.D	10/01/2025	08:25
SSTDCCC0.4EC	SSTDCCC0.4	BN037974.D	10/01/2025	09:24

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3193

Client ID : SSTDCCC0.4

Date Analyzed: 09/30/2025

Lab File ID: BN037943.D

Time Analyzed: 12:16

Instrument ID: BNA_N

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	9644	7.811	27222	10.62	14738	14.46
UPPER LIMIT	19288	8.311	54444	11.116	29476	14.962
LOWER LIMIT	4822	7.311	13611	10.116	7369	13.962
EPA SAMPLE NO.						
01 PB169886BS	7452	7.81	21033	10.62	11010	14.46
02 RW10-MW01D-20250923	7881	7.81	23205	10.62	11948	14.47
03 RW10-MW01D-20250923MS	7993	7.81	22898	10.62	12112	14.47
04 RW10-MW01D-20250923MSD	6976	7.81	19964	10.62	10698	14.46
05 TT149S1-20250922	8551	7.81	24701	10.62	13182	14.46
06 RE137-20250922	7660	7.81	22207	10.62	11684	14.46
07 RW4-20250922	7793	7.81	22517	10.62	11801	14.46
08 GM38-RW3-MW1-20250922	7382	7.81	21403	10.62	11279	14.46
09 TT20551-20250923	8400	7.81	25968	10.62	13547	14.47
10 RW10A-MW01I-20250923	7049	7.81	21513	10.62	11227	14.46
11 RW8-MW01S-20250923	8340	7.81	24203	10.62	12799	14.46
12 TT172S1-20250923	7098	7.81	20498	10.62	10965	14.46

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: Alliance

Lab Code: ACE

SDG NO.: Q3193

Client ID: SSTDCCC0.4

Date Analyzed: 09/30/2025

Lab File ID: BN037943.D

Time Analyzed: 12:16

Instrument ID: BNA_N

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	29357	17.211	26509	21.402	23943	23.724
	UPPER LIMIT	58714	17.711	53018	21.902	47886	24.224
	LOWER LIMIT	14678.5	16.711	13254.5	20.902	11971.5	23.224
	EPA SAMPLE NO.						
01	PB169886BS	22288	17.21	16510	21.39	12940	23.72
02	RW10-MW01D-20250923	24615	17.21	20490	21.40	17592	23.73
03	RW10-MW01D-20250923MS	25000	17.21	20815	21.40	17521	23.72
04	RW10-MW01D-20250923MSD	21721	17.21	19129	21.39	17953	23.72
05	TT149S1-20250922	27317	17.21	23956	21.39	22179	23.72
06	RE137-20250922	23947	17.21	23880	21.39	22435	23.72
07	RW4-20250922	24660	17.21	21544	21.39	19690	23.72
08	GM38-RW3-MW1-20250922	23722	17.21	20326	21.39	18553	23.72
09	TT20551-20250923	27176	17.21	23475	21.39	21465	23.72
10	RW10A-MW01I-20250923	23340	17.21	19828	21.39	17731	23.72
11	RW8-MW01S-20250923	26901	17.21	23284	21.39	20264	23.72
12	TT172S1-20250923	23447	17.21	19827	21.39	17505	23.72

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: Alliance

Lab Code: ACE

SDG NO.: Q3193

Client ID : SSTDCCC0.4

Date Analyzed: 10/01/2025

Lab File ID: BN037961.D

Time Analyzed: 01:10

Instrument ID: BNA_N

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	7067	7.811	22573	10.62	11380	14.46
UPPER LIMIT	14134	8.311	45146	11.116	22760	14.962
LOWER LIMIT	3533.5	7.311	11286.5	10.116	5690	13.962
EPA SAMPLE NO.						
01 MW203D-20250923	7655	7.81	22976	10.62	11396	14.46
02 EB04-20250923	7743	7.81	20020	10.62	10144	14.46
03 TT174I1-20250924	7086	7.81	20607	10.62	11008	14.46
04 TT162S1-20250924	7339	7.81	21391	10.62	11392	14.46
05 RE120D3-20250924	8836	7.81	23668	10.62	13038	14.46
06 PB169886BL	6783	7.81	18599	10.62	9081	14.46
07 DUP12-20250923	7310	7.81	20987	10.62	11025	14.46
08 RW10A-MW01S-20250923	7495	7.81	21468	10.62	11500	14.46
09 RW8-MW01D1-20250923	7626	7.81	21951	10.62	11654	14.46
10 DUP11-20250923	7425	7.81	21029	10.62	10680	14.46
11 TT161S1-20250923	7403	7.81	19689	10.62	10797	14.46
12 RE103D1-20250923	8935	7.81	25320	10.62	13246	14.46

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: Alliance

Lab Code: ACE

SDG NO.: Q3193

Client ID: SSTDCCC0.4

Date Analyzed: 10/01/2025

Lab File ID: BN037961.D

Time Analyzed: 01:10

Instrument ID: BNA_N

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	22791	17.211	20365	21.393	18357	23.718
UPPER LIMIT	45582	17.711	40730	21.893	36714	24.218
LOWER LIMIT	11395.5	16.711	10182.5	20.893	9178.5	23.218
EPA SAMPLE NO.						
01 MW203D-20250923	23171	17.21	17327	21.39	13520	23.72
02 EB04-20250923	18515	17.21	12540	21.39	11301	23.72
03 TT174I1-20250924	22531	17.21	18077	21.39	14968	23.72
04 TT162S1-20250924	23692	17.21	24495	21.39	21866	23.72
05 RE120D3-20250924	27082	17.21	22508	21.39	19220	23.72
06 PB169886BL	18168	17.22	14118	21.39	11978	23.72
07 DUP12-20250923	21998	17.21	18988	21.39	14992	23.72
08 RW10A-MW01S-20250923	24754	17.21	17225	21.39	13309	23.72
09 RW8-MW01D1-20250923	24178	17.21	19146	21.39	15180	23.72
10 DUP11-20250923	20869	17.21	13568	21.39	11917	23.72
11 TT161S1-20250923	22824	17.21	21668	21.39	17961	23.72
12 RE103D1-20250923	24716	17.21	18326	21.39	14296	23.72

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:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB169886BL		SDG No.:	Q3193
Lab Sample ID:	PB169886BL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037962.D	1	09/29/25 08:43	10/01/25 01:46	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		103%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6780	7.811				
1146-65-2	Naphthalene-d8	18600	10.616				
15067-26-2	Acenaphthene-d10	9080	14.462				
1517-22-2	Phenanthrene-d10	18200	17.223				
1719-03-5	Chrysene-d12	14100	21.393				
1520-96-3	Perylene-d12	12000	23.721				

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:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB169886BS		SDG No.:	Q3193
Lab Sample ID:	PB169886BS		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037958.D	1	09/29/25 08:43	09/30/25 22:37	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7450	7.811				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.462				
1517-22-2	Phenanthrene-d10	22300	17.211				
1719-03-5	Chrysene-d12	16500	21.393				
1520-96-3	Perylene-d12	12900	23.718				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MS		SDG No.:	Q3193
Lab Sample ID:	Q3193-02MS		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037948.D	1	09/29/25 08:43	09/30/25 16:33	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.33		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7990	7.811				
1146-65-2	Naphthalene-d8	22900	10.616				
15067-26-2	Acenaphthene-d10	12100	14.473				
1517-22-2	Phenanthrene-d10	25000	17.211				
1719-03-5	Chrysene-d12	20800	21.402				
1520-96-3	Perylene-d12	17500	23.724				

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:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MSD		SDG No.:	Q3193	
Lab Sample ID:	Q3193-03MSD		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037949.D	1	09/29/25 08:43	09/30/25 17:09	PB169886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6980	7.811				
1146-65-2	Naphthalene-d8	20000	10.616				
15067-26-2	Acenaphthene-d10	10700	14.462				
1517-22-2	Phenanthrene-d10	21700	17.211				
1719-03-5	Chrysene-d12	19100	21.393				
1520-96-3	Perylene-d12	18000	23.724				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN092325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 24 11:00:01 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037861.D 0.2 =BN037862.D 0.4 =BN037863.D 0.8 =BN037864.D 1.6 =BN037865.D 3.2 =BN037866.D 5 =BN037867.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.413	0.410	0.403	0.425	0.410	0.376	0.406	4.04	
3)	n-Nitrosodimet...	0.541	0.517	0.526	0.561	0.549	0.547	0.540	3.03	
4) S	2-Fluorophenol	0.944	0.921	0.856	0.839	0.908	0.923	0.998	0.913	5.84
5) S	Phenol-d6	1.190	1.200	1.118	1.088	1.211	1.236	1.353	1.199	7.15
6)	bis(2-Chloroet...	1.133	1.096	1.082	1.066	1.150	1.124	1.143	1.113	2.89
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.299	0.289	0.289	0.290	0.310	0.320	0.338	0.305	6.14
9)	Naphthalene	1.105	1.089	1.048	1.051	1.123	1.137	1.160	1.102	3.84
10)	Hexachlorobuta...	0.198	0.184	0.182	0.183	0.192	0.188	0.188	0.188	2.94
11) SURR2	Methylnaphth...	0.515	0.518	0.499	0.504	0.553	0.587	0.714	0.556	13.74
12)	2-Methylnaphth...	0.678	0.681	0.668	0.682	0.754	0.775	0.802	0.720	7.68
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.148	0.142	0.135	0.139	0.163	0.184	0.152	12.15	
15) S	2-Fluorobiphenyl	1.660	1.631	1.559	1.547	1.654	1.650	1.762	1.638	4.36
16)	Acenaphthylene	1.698	1.721	1.663	1.680	1.907	1.951	2.094	1.816	9.23
17)	Acenaphthene	1.262	1.230	1.198	1.208	1.351	1.371	1.437	1.294	7.16
18)	Fluorene	1.455	1.455	1.452	1.466	1.664	1.717	1.748	1.565	8.77
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.041	0.044	0.046	0.058	0.071	0.084	0.057	29.75	
21)	4-Bromophenyl-...	0.252	0.247	0.244	0.244	0.272	0.275	0.291	0.261	7.07
22)	Hexachlorobenzene	0.317	0.312	0.305	0.300	0.324	0.323	0.332	0.316	3.53
23)	Atrazine	0.180	0.181	0.172	0.178	0.205	0.224	0.249	0.199	14.70
24)	Pentachlorophenol	0.101	0.092	0.097	0.116	0.136	0.108	16.50		
25)	Phenanthrene	1.301	1.271	1.230	1.224	1.358	1.379	1.452	1.316	6.37
26)	Anthracene	1.034	1.035	1.023	1.057	1.209	1.275	1.361	1.142	12.10
27) SURR	Fluoranthene-d10	0.880	0.918	0.887	0.900	1.004	1.085	1.370	1.006	17.59
28)	Fluoranthene	1.278	1.315	1.311	1.358	1.555	1.617	1.713	1.450	12.07
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.576	1.600	1.521	1.476	1.607	1.595	1.679	1.579	4.12
31) S	Terphenyl-d14	0.799	0.791	0.753	0.735	0.798	0.809	0.893	0.797	6.34
32)	Benzo(a)anthra...	1.376	1.359	1.294	1.285	1.423	1.483	1.567	1.398	7.27
33)	Chrysene	1.508	1.526	1.462	1.446	1.559	1.512	1.569	1.512	3.03
34)	Bis(2-ethylhex...	0.592	0.487	0.476	0.518	0.569	0.676	0.553	13.57	
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN092325.M

36)	Indeno(1,2,3-c...	1.715	1.672	1.658	1.707	1.887	1.996	2.159	1.828	10.52
37)	Benzo(b)fluora...	1.599	1.606	1.641	1.590	1.810	1.848	1.981	1.725	8.95
38)	Benzo(k)fluora...	1.620	1.586	1.597	1.628	1.875	1.917	1.926	1.736	9.26
39) C	Benzo(a)pyrene	1.254	1.296	1.231	1.254	1.413	1.492	1.610	1.364	10.61
40)	Dibenzo(a,h)an...	1.285	1.283	1.303	1.333	1.495	1.587	1.705	1.427	11.87
41)	Benzo(g,h,i)pe...	1.407	1.381	1.404	1.397	1.521	1.613	1.773	1.499	9.85

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3193
Instrument ID: BNA_N Calibration Date/Time: 09/30/2025 12:16
Lab File ID: BN037943.D Init. Calib. Date(s): 09/23/2025 09/23/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.516		-7.2	20.0
Fluoranthene-d10	1.006	0.945		-6.1	20.0
2-Fluorophenol	0.913	0.838		-8.2	20.0
Phenol-d6	1.199	1.101		-8.2	20.0
Nitrobenzene-d5	0.305	0.275		-9.8	20.0
2-Fluorobiphenyl	1.638	1.602		-2.2	20.0
2,4,6-Tribromophenol	0.152	0.138		-9.2	20.0
Terphenyl-d14	0.797	0.748		-6.1	20.0
1,4-Dioxane	0.406	0.381		-6.2	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3193</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/30/2025 23:14</u>
Lab File ID:	<u>BN037959.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>12:13 15:51</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.479		-13.8	50.0
Fluoranthene-d10	1.006	0.916		-8.9	50.0
2-Fluorophenol	0.913	0.835		-8.5	50.0
Phenol-d6	1.199	1.111		-7.3	50.0
Nitrobenzene-d5	0.305	0.260		-14.8	50.0
2-Fluorobiphenyl	1.638	1.550		-5.4	50.0
2,4,6-Tribromophenol	0.152	0.135		-11.2	50.0
Terphenyl-d14	0.797	0.784		-1.6	50.0
1,4-Dioxane	0.406	0.400		-1.5	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3193
Instrument ID: BNA_N Calibration Date/Time: 10/01/2025 01:10
Lab File ID: BN037961.D Init. Calib. Date(s): 09/23/2025 09/23/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.509		-8.5	20.0
Fluoranthene-d10	1.006	0.910		-9.5	20.0
2-Fluorophenol	0.913	0.904		-1.0	20.0
Phenol-d6	1.199	1.127		-6.0	20.0
Nitrobenzene-d5	0.305	0.255		-16.4	20.0
2-Fluorobiphenyl	1.638	1.581		-3.5	20.0
2,4,6-Tribromophenol	0.152	0.143		-5.9	20.0
Terphenyl-d14	0.797	0.746		-6.4	20.0
1,4-Dioxane	0.406	0.404		-0.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3193
Instrument ID: BNA_N Calibration Date/Time: 10/01/2025 09:24
Lab File ID: BN037974.D Init. Calib. Date(s): 09/23/2025 09/23/2025
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:13 15:51
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.533		-4.1	50.0
Fluoranthene-d10	1.006	0.910		-9.5	50.0
2-Fluorophenol	0.913	0.807		-11.6	50.0
Phenol-d6	1.199	1.066		-11.1	50.0
Nitrobenzene-d5	0.305	0.293		-3.9	50.0
2-Fluorobiphenyl	1.638	1.515		-7.5	50.0
2,4,6-Tribromophenol	0.152	0.136		-10.5	50.0
Terphenyl-d14	0.797	0.790		-0.9	50.0
1,4-Dioxane	0.406	0.370		-8.9	50.0

All other compounds must meet a minimum RRF of 0.010.