

LAB CHRONICLE

OrderID:	Q3095	OrderDate:	9/12/2025 12:38:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3095-01	MW305I-20250908	Water	SVOC-SIMGroup1	8270-Modified	09/08/25	09/15/25	09/17/25	09/12/25
Q3095-02	MW179D-20250908	Water	SVOC-SIMGroup1	8270-Modified	09/08/25	09/15/25	09/17/25	09/12/25
Q3095-03	MW201D-20250908	Water	SVOC-SIMGroup1	8270-Modified	09/08/25	09/15/25	09/17/25	09/12/25
Q3095-03DL	MW201D-20250908DL	Water	SVOC-SIMGroup1	8270-Modified	09/08/25	09/15/25	09/18/25	09/12/25
Q3095-04	MW179D1-20250908	Water	SVOC-SIMGroup1	8270-Modified	09/08/25	09/15/25	09/17/25	09/12/25
Q3095-05	MW203D2-20250909	Water	SVOC-SIMGroup1	8270-Modified	09/09/25	09/15/25	09/17/25	09/12/25
Q3095-08	MW203D1-20250909	Water	SVOC-SIMGroup1	8270-Modified	09/09/25	09/15/25	09/17/25	09/12/25
Q3095-09	MW179D2-20250909	Water	SVOC-SIMGroup1	8270-Modified	09/09/25	09/15/25	09/17/25	09/12/25
Q3095-10	MW201D1-20250909	Water	SVOC-SIMGroup1	8270-Modified	09/09/25	09/15/25	09/17/25	09/12/25
Q3095-11	RE122D1-20250909	Water	SVOC-SIMGroup1	8270-Modified	09/09/25	09/15/25	09/17/25	09/12/25
Q3095-12	MW202D-20250909	Water	SVOC-SIMGroup1	8270-Modified	09/09/25	09/15/25	09/18/25	09/12/25
Q3095-13	MW178I1-20250909	Water			09/09/25			09/12/25

LAB CHRONICLE

			SVOC-SIMGroup1	8270-Modified		09/15/25	09/17/25	
Q3095-14	RE123D1-20250909	Water			09/09/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-15	RE123D3-20250909	Water			09/09/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-16	MW305D-20250909	Water			09/09/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-17	DUP01-20250909	Water			09/09/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-18	RE126D2-20250909	Water			09/09/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-19	RE126D3-20250909	Water			09/09/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-20	MW178S-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-21	RE126D1-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-22	MW202D1-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-23	RE104D2-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-24	MW178I-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-25	DUP02-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-26	DUP03-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/18/25	
Q3095-27	RE117D1-20250910	Water			09/10/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25	

LAB CHRONICLE

Q3095-28	RE104D3-20250910	Water			09/10/25		09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/20/25
Q3095-29	RE122D2-20250910	Water			09/10/25		09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25
Q3095-30	RE104D1-20250910	Water			09/10/25		09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25
Q3095-31	TT180D-20250911	Water			09/11/25		09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25
Q3095-32	RE122D3-20250911	Water			09/11/25		09/12/25
			SVOC-SIMGroup1	8270-Modified		09/15/25	09/19/25

Hit Summary Sheet SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	MW305I-20250908								
Q3095-01	MW305I-20250908	WATER	1,4-Dioxane	0.430		0.07	0.2	0.2	ug/L
			Total Svoc :			0.43			
			Total Concentration:			0.43			
Client ID :	MW179D-20250908								
Q3095-02	MW179D-20250908	WATER	1,4-Dioxane	0.160	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.16			
			Total Concentration:			0.16			
Client ID :	MW201D-20250908								
Q3095-03	MW201D-20250908	WATER	1,4-Dioxane	5.900	E	0.07	0.2	0.2	ug/L
			Total Svoc :			5.90			
			Total Concentration:			5.90			
Client ID :	MW201D-20250908DL								
Q3095-03DL	MW201D-20250908DL	WATER	1,4-Dioxane	5.700	D	0.13	0.4	0.4	ug/L
			Total Svoc :			5.70			
			Total Concentration:			5.70			
Client ID :	MW179D1-20250908								
Q3095-04	MW179D1-20250908	WATER	1,4-Dioxane	0.220		0.07	0.2	0.2	ug/L
			Total Svoc :			0.22			
			Total Concentration:			0.22			
Client ID :	MW203D2-20250909								
Q3095-05	MW203D2-20250909	WATER	1,4-Dioxane	0.850	M	0.07	0.2	0.2	ug/L
			Total Svoc :			0.85			
			Total Concentration:			0.85			
Client ID :	MW203D1-20250909								
Q3095-08	MW203D1-20250909	WATER	1,4-Dioxane	0.950		0.07	0.2	0.2	ug/L
			Total Svoc :			0.95			
			Total Concentration:			0.95			
Client ID :	MW179D2-20250909								
Q3095-09	MW179D2-20250909	WATER	1,4-Dioxane	0.620		0.07	0.21	0.21	ug/L
			Total Svoc :			0.62			
			Total Concentration:			0.62			
Client ID :	MW201D1-20250909								
Q3095-10	MW201D1-20250909	WATER	1,4-Dioxane	0.070	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.07			

Hit Summary Sheet
SW-846

SDG No.: Q3095
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			0.07					
Client ID :	RE122D1-20250909							
Q3095-11	RE122D1-20250909	WATER	1,4-Dioxane	2.800	0.07	0.2	0.2	ug/L
Total Svoc :			2.80					
Total Concentration:			2.80					
Client ID :	MW178I1-20250909							
Q3095-13	MW178I1-20250909	WATER	1,4-Dioxane	0.660	0.07	0.2	0.2	ug/L
Total Svoc :			0.66					
Total Concentration:			0.66					
Client ID :	RE123D1-20250909							
Q3095-14	RE123D1-20250909	WATER	1,4-Dioxane	0.740	0.07	0.21	0.21	ug/L
Total Svoc :			0.74					
Total Concentration:			0.74					
Client ID :	MW305D-20250909							
Q3095-16	MW305D-20250909	WATER	1,4-Dioxane	0.530	0.07	0.2	0.2	ug/L
Total Svoc :			0.53					
Total Concentration:			0.53					
Client ID :	DUP01-20250909							
Q3095-17	DUP01-20250909	WATER	1,4-Dioxane	0.520	0.07	0.2	0.2	ug/L
Total Svoc :			0.52					
Total Concentration:			0.52					
Client ID :	RE126D2-20250909							
Q3095-18	RE126D2-20250909	WATER	1,4-Dioxane	2.600	0.07	0.2	0.2	ug/L
Total Svoc :			2.60					
Total Concentration:			2.60					
Client ID :	RE126D3-20250909							
Q3095-19	RE126D3-20250909	WATER	1,4-Dioxane	0.430	0.07	0.2	0.2	ug/L
Total Svoc :			0.43					
Total Concentration:			0.43					
Client ID :	MW178S-20250910							
Q3095-20	MW178S-20250910	WATER	1,4-Dioxane	0.110 J	0.07	0.2	0.2	ug/L
Total Svoc :			0.11					
Total Concentration:			0.11					
Client ID :	RE126D1-20250910							
Q3095-21	RE126D1-20250910	WATER	1,4-Dioxane	2.200	0.07	0.2	0.2	ug/L
Total Svoc :			2.20					

Hit Summary Sheet
SW-846

SDG No.: Q3095
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			2.20					
Client ID :	RE104D2-20250910							
Q3095-23	RE104D2-20250910	WATER	1,4-Dioxane	2.100	0.07	0.2	0.2	ug/L
Total Svoc :			2.10					
Total Concentration:			2.10					
Client ID :	MW178I-20250910							
Q3095-24	MW178I-20250910	WATER	1,4-Dioxane	0.120 J	0.07	0.2	0.2	ug/L
Total Svoc :			0.12					
Total Concentration:			0.12					
Client ID :	DUP02-20250910							
Q3095-25	DUP02-20250910	WATER	1,4-Dioxane	3.400	0.07	0.21	0.21	ug/L
Total Svoc :			3.40					
Total Concentration:			3.40					
Client ID :	DUP03-20250910							
Q3095-26	DUP03-20250910	WATER	1,4-Dioxane	0.110 J	0.07	0.2	0.2	ug/L
Total Svoc :			0.11					
Total Concentration:			0.11					
Client ID :	RE117D1-20250910							
Q3095-27	RE117D1-20250910	WATER	1,4-Dioxane	0.740	0.07	0.2	0.2	ug/L
Total Svoc :			0.74					
Total Concentration:			0.74					
Client ID :	RE122D2-20250910							
Q3095-29	RE122D2-20250910	WATER	1,4-Dioxane	3.800	0.07	0.2	0.2	ug/L
Total Svoc :			3.80					
Total Concentration:			3.80					
Client ID :	RE104D1-20250910							
Q3095-30	RE104D1-20250910	WATER	1,4-Dioxane	3.000	0.07	0.2	0.2	ug/L
Total Svoc :			3.00					
Total Concentration:			3.00					
Client ID :	TT180D-20250911							
Q3095-31	TT180D-20250911	WATER	1,4-Dioxane	0.110 J	0.07	0.2	0.2	ug/L
Total Svoc :			0.11					
Total Concentration:			0.11					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW305I-20250908		SDG No.:	Q3095
Lab Sample ID:	Q3095-01		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
BN037747.D	1	09/15/25 10:15	09/17/25 15:47	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6430	7.84				
1146-65-2	Naphthalene-d8	17300	10.637				
15067-26-2	Acenaphthene-d10	7560	14.494				
1517-22-2	Phenanthrene-d10	13400	17.235				
1719-03-5	Chrysene-d12	10900	21.411				
1520-96-3	Perylene-d12	10400	23.747				

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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW179D-20250908		SDG No.:	Q3095
Lab Sample ID:	Q3095-02		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
BN037748.D	1	09/15/25 10:15	09/17/25 16:24	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.16	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6620	7.84				
1146-65-2	Naphthalene-d8	18100	10.637				
15067-26-2	Acenaphthene-d10	8080	14.494				
1517-22-2	Phenanthrene-d10	13900	17.235				
1719-03-5	Chrysene-d12	11000	21.411				
1520-96-3	Perylene-d12	10700	23.75				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW201D-20250908		SDG No.:	Q3095
Lab Sample ID:	Q3095-03		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
BN037749.D	1	09/15/25 10:15	09/17/25 17:00	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.90	E	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	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6460	7.84				
1146-65-2	Naphthalene-d8	17400	10.637				
15067-26-2	Acenaphthene-d10	7810	14.495				
1517-22-2	Phenanthrene-d10	14100	17.235				
1719-03-5	Chrysene-d12	12200	21.411				
1520-96-3	Perylene-d12	12000	23.747				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D-20250908DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-03DL	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
BN037789.D	2	09/15/25 10:15	09/18/25 22:27	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.70	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7720	7.833				
1146-65-2	Naphthalene-d8	21000	10.637				
15067-26-2	Acenaphthene-d10	9570	14.484				
1517-22-2	Phenanthrene-d10	16100	17.235				
1719-03-5	Chrysene-d12	11700	21.411				
1520-96-3	Perylene-d12	11700	23.739				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW179D1-20250908		SDG No.:	Q3095
Lab Sample ID:	Q3095-04		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
BN037750.D	1	09/15/25 10:15	09/17/25 17:36	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22		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	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	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	6640	7.84				
1146-65-2	Naphthalene-d8	17900	10.637				
15067-26-2	Acenaphthene-d10	7910	14.495				
1517-22-2	Phenanthrene-d10	13700	17.235				
1719-03-5	Chrysene-d12	11500	21.411				
1520-96-3	Perylene-d12	11300	23.747				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-05		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
BN037742.D	1	09/15/25 10:15	09/17/25 12:38	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.85	M	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	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	7540	7.84				
1146-65-2	Naphthalene-d8	21000	10.648				
15067-26-2	Acenaphthene-d10	9820	14.494				
1517-22-2	Phenanthrene-d10	16800	17.235				
1719-03-5	Chrysene-d12	12700	21.411				
1520-96-3	Perylene-d12	12600	23.75				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW203D1-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-08		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
BN037751.D	1	09/15/25 10:15	09/17/25 18:13	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.95		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	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	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		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6740	7.84				
1146-65-2	Naphthalene-d8	18300	10.637				
15067-26-2	Acenaphthene-d10	8160	14.495				
1517-22-2	Phenanthrene-d10	14500	17.235				
1719-03-5	Chrysene-d12	12300	21.411				
1520-96-3	Perylene-d12	12300	23.747				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW179D2-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-09		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
BN037752.D	1	09/15/25 10:15	09/17/25 18:49	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.62		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6450	7.84				
1146-65-2	Naphthalene-d8	17500	10.637				
15067-26-2	Acenaphthene-d10	7930	14.494				
1517-22-2	Phenanthrene-d10	13400	17.235				
1719-03-5	Chrysene-d12	10500	21.411				
1520-96-3	Perylene-d12	10500	23.747				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW201D1-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-10		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
BN037753.D	1	09/15/25 10:15	09/17/25 19:25	PB169692

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	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		92%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6380	7.833				
1146-65-2	Naphthalene-d8	17000	10.637				
15067-26-2	Acenaphthene-d10	7750	14.484				
1517-22-2	Phenanthrene-d10	13900	17.235				
1719-03-5	Chrysene-d12	12600	21.411				
1520-96-3	Perylene-d12	12800	23.747				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-11		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
BN037754.D	1	09/15/25 10:15	09/17/25 20:01	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.80		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	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6750	7.833				
1146-65-2	Naphthalene-d8	18500	10.637				
15067-26-2	Acenaphthene-d10	8720	14.494				
1517-22-2	Phenanthrene-d10	14500	17.235				
1719-03-5	Chrysene-d12	10800	21.411				
1520-96-3	Perylene-d12	10800	23.75				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW202D-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-12		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
BN037761.D	1	09/15/25 10:15	09/18/25 03:58	PB169692

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	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	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	7230	7.833				
1146-65-2	Naphthalene-d8	19400	10.637				
15067-26-2	Acenaphthene-d10	8610	14.484				
1517-22-2	Phenanthrene-d10	15400	17.235				
1719-03-5	Chrysene-d12	12900	21.411				
1520-96-3	Perylene-d12	13100	23.741				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-13		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
BN037755.D	1	09/15/25 10:15	09/17/25 20:37	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.66		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6480	7.833				
1146-65-2	Naphthalene-d8	17500	10.637				
15067-26-2	Acenaphthene-d10	7820	14.494				
1517-22-2	Phenanthrene-d10	14500	17.235				
1719-03-5	Chrysene-d12	12700	21.411				
1520-96-3	Perylene-d12	12700	23.75				

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-14		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
BN037762.D	1	09/15/25 10:15	09/18/25 04:34	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.74		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		93%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6990	7.833				
1146-65-2	Naphthalene-d8	18800	10.637				
15067-26-2	Acenaphthene-d10	8990	14.484				
1517-22-2	Phenanthrene-d10	16600	17.235				
1719-03-5	Chrysene-d12	14000	21.411				
1520-96-3	Perylene-d12	14300	23.744				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE123D3-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-15		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
BN037763.D	1	09/15/25 10:15	09/18/25 05:10	PB169692

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	0.22		30 - 150		54%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.25		30 - 150		63%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		58%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.23		53 - 106		58%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.28		58 - 132		70%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7990	7.833				
1146-65-2	Naphthalene-d8	22100	10.637				
15067-26-2	Acenaphthene-d10	10300	14.484				
1517-22-2	Phenanthrene-d10	18300	17.235				
1719-03-5	Chrysene-d12	14400	21.411				
1520-96-3	Perylene-d12	14900	23.744				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW305D-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-16		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
BN037764.D	1	09/15/25 10:15	09/18/25 05:46	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.53		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7660	7.833				
1146-65-2	Naphthalene-d8	21200	10.637				
15067-26-2	Acenaphthene-d10	9850	14.484				
1517-22-2	Phenanthrene-d10	18500	17.235				
1719-03-5	Chrysene-d12	16400	21.411				
1520-96-3	Perylene-d12	17100	23.744				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP01-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-17		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
BN037765.D	1	09/15/25 10:15	09/18/25 06:23	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.52		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	0.37		30 - 150		92%	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		83%	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	7820	7.833				
1146-65-2	Naphthalene-d8	21300	10.637				
15067-26-2	Acenaphthene-d10	9720	14.484				
1517-22-2	Phenanthrene-d10	17200	17.236				
1719-03-5	Chrysene-d12	13600	21.411				
1520-96-3	Perylene-d12	14200	23.742				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909		SDG No.:	Q3095
Lab Sample ID:	Q3095-18		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
BN037766.D	1	09/15/25 10:15	09/18/25 06:59	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.60		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8400	7.833				
1146-65-2	Naphthalene-d8	23300	10.637				
15067-26-2	Acenaphthene-d10	10700	14.484				
1517-22-2	Phenanthrene-d10	18600	17.236				
1719-03-5	Chrysene-d12	13600	21.411				
1520-96-3	Perylene-d12	14300	23.745				

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-19		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
BN037767.D	1	09/15/25 10:15	09/18/25 07:35	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		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	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8360	7.833				
1146-65-2	Naphthalene-d8	22900	10.637				
15067-26-2	Acenaphthene-d10	10200	14.484				
1517-22-2	Phenanthrene-d10	17500	17.236				
1719-03-5	Chrysene-d12	14100	21.411				
1520-96-3	Perylene-d12	14400	23.745				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW178S-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-20		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
BN037768.D	1	09/15/25 10:15	09/18/25 08:11	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	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	0.30		30 - 150		76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.29		58 - 132		74%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7450	7.833				
1146-65-2	Naphthalene-d8	20000	10.637				
15067-26-2	Acenaphthene-d10	9140	14.484				
1517-22-2	Phenanthrene-d10	17500	17.235				
1719-03-5	Chrysene-d12	16200	21.411				
1520-96-3	Perylene-d12	15600	23.744				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE126D1-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-21		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
BN037783.D	1	09/15/25 12:00	09/18/25 18:49	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.20		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	0.35		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		90%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8230	7.833				
1146-65-2	Naphthalene-d8	22500	10.637				
15067-26-2	Acenaphthene-d10	10500	14.484				
1517-22-2	Phenanthrene-d10	19300	17.235				
1719-03-5	Chrysene-d12	17300	21.411				
1520-96-3	Perylene-d12	17700	23.744				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW202D1-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-22		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
BN037784.D	1	09/15/25 12:00	09/18/25 19:25	PB169693

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		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7720	7.833				
1146-65-2	Naphthalene-d8	20900	10.637				
15067-26-2	Acenaphthene-d10	9440	14.484				
1517-22-2	Phenanthrene-d10	16200	17.235				
1719-03-5	Chrysene-d12	13600	21.411				
1520-96-3	Perylene-d12	13800	23.741				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-23		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
BN037785.D	1	09/15/25 12:00	09/18/25 20:02	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.10		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		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7420	7.833				
1146-65-2	Naphthalene-d8	19800	10.637				
15067-26-2	Acenaphthene-d10	9120	14.484				
1517-22-2	Phenanthrene-d10	16800	17.235				
1719-03-5	Chrysene-d12	15000	21.411				
1520-96-3	Perylene-d12	14800	23.741				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW178I-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-24		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
BN037786.D	1	09/15/25 12:00	09/18/25 20:38	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.12	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	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7910	7.833				
1146-65-2	Naphthalene-d8	21400	10.637				
15067-26-2	Acenaphthene-d10	9550	14.484				
1517-22-2	Phenanthrene-d10	16100	17.235				
1719-03-5	Chrysene-d12	12400	21.411				
1520-96-3	Perylene-d12	12400	23.738				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP02-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-25		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
BN037787.D	1	09/15/25 12:00	09/18/25 21:14	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.40		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	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		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8070	7.833				
1146-65-2	Naphthalene-d8	22000	10.637				
15067-26-2	Acenaphthene-d10	10100	14.484				
1517-22-2	Phenanthrene-d10	17200	17.235				
1719-03-5	Chrysene-d12	12300	21.411				
1520-96-3	Perylene-d12	12000	23.738				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP03-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-26		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
BN037788.D	1	09/15/25 12:00	09/18/25 21:51	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		96%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7670	7.833				
1146-65-2	Naphthalene-d8	20400	10.637				
15067-26-2	Acenaphthene-d10	8850	14.484				
1517-22-2	Phenanthrene-d10	15300	17.235				
1719-03-5	Chrysene-d12	12400	21.411				
1520-96-3	Perylene-d12	11800	23.741				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE117D1-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-27		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
BN037815.D	1	09/15/25 12:00	09/19/25 15:32	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.74		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		101%	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	4750	7.833				
1146-65-2	Naphthalene-d8	12200	10.637				
15067-26-2	Acenaphthene-d10	5110	14.484				
1517-22-2	Phenanthrene-d10	8980	17.223				
1719-03-5	Chrysene-d12	8110	21.411				
1520-96-3	Perylene-d12	7860	23.744				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE104D3-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-28		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
BN037843.D	1	09/15/25 12:00	09/20/25 09:14	PB169693

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	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5580	7.825				
1146-65-2	Naphthalene-d8	14500	10.626				
15067-26-2	Acenaphthene-d10	6030	14.484				
1517-22-2	Phenanthrene-d10	10400	17.223				
1719-03-5	Chrysene-d12	8830	21.402				
1520-96-3	Perylene-d12	32.0	23.736				

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29		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
BN037797.D	1	09/15/25 12:00	09/19/25 04:00	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.80		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		98%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		53 - 106		101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6380	7.833				
1146-65-2	Naphthalene-d8	15400	10.637				
15067-26-2	Acenaphthene-d10	6530	14.484				
1517-22-2	Phenanthrene-d10	11200	17.236				
1719-03-5	Chrysene-d12	9480	21.411				
1520-96-3	Perylene-d12	9340	23.742				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE104D1-20250910		SDG No.:	Q3095
Lab Sample ID:	Q3095-30		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
BN037798.D	1	09/15/25 12:00	09/19/25 04:37	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.00		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6790	7.833				
1146-65-2	Naphthalene-d8	16400	10.637				
15067-26-2	Acenaphthene-d10	7130	14.484				
1517-22-2	Phenanthrene-d10	12500	17.235				
1719-03-5	Chrysene-d12	10400	21.411				
1520-96-3	Perylene-d12	10200	23.741				

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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	TT180D-20250911		SDG No.:	Q3095
Lab Sample ID:	Q3095-31		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
BN037799.D	1	09/15/25 12:00	09/19/25 05:13	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	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	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6960	7.833				
1146-65-2	Naphthalene-d8	16600	10.637				
15067-26-2	Acenaphthene-d10	7190	14.484				
1517-22-2	Phenanthrene-d10	12500	17.235				
1719-03-5	Chrysene-d12	10600	21.411				
1520-96-3	Perylene-d12	10300	23.741				

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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE122D3-20250911		SDG No.:	Q3095
Lab Sample ID:	Q3095-32		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
BN037800.D	1	09/15/25 12:00	09/19/25 05:49	PB169693

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	0.35		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		98%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	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	5970	7.833				
1146-65-2	Naphthalene-d8	15700	10.637				
15067-26-2	Acenaphthene-d10	6880	14.484				
1517-22-2	Phenanthrene-d10	11800	17.235				
1719-03-5	Chrysene-d12	9880	21.411				
1520-96-3	Perylene-d12	9590	23.739				

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.: **Q3095**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169692BL	PB169692BL	2-Methylnaphthalene-d10	0.4	0.31	79		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.34	84		58	132
PB169692BS	PB169692BS	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.31	78		58	132
Q3095-01	MW305I-20250908	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q3095-02	MW179D-20250908	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q3095-03	MW201D-20250908	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-03DL	MW201D-20250908DL	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.41	101		58	132
Q3095-04	MW179D1-20250908	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
Q3095-05	MW203D2-20250909	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.50	124		58	132
Q3095-06MS	MW203D2-20250909MS	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-07MSD	MW203D2-20250909MSD	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-08	MW203D1-20250909	2-Methylnaphthalene-d10	0.4	0.30	75		30	150

Surrogate Summary

SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-08	MW203D1-20250909	Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q3095-09	MW179D2-20250909	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.35	87		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
Q3095-10	MW201D1-20250909	Terphenyl-d14	0.4	0.40	99		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.37	94		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
Q3095-11	RE122D1-20250909	2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.37	92		58	132
		2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
Q3095-12	MW202D-20250909	Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
Q3095-13	MW178I1-20250909	Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3095-14	RE123D1-20250909	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
Q3095-15	RE123D3-20250909	Terphenyl-d14	0.4	0.38	95		58	132
		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
Q3095-16	MW305D-20250909	2-Fluorobiphenyl	0.4	0.31	79		53	106
		Terphenyl-d14	0.4	0.37	93		58	132
		2-Methylnaphthalene-d10	0.4	0.22	54		30	150
		Fluoranthene-d10	0.4	0.25	63		30	150
Q3095-17	DUP01-20250909	Nitrobenzene-d5	0.4	0.23	58		55	111
		2-Fluorobiphenyl	0.4	0.23	58		53	106
		Terphenyl-d14	0.4	0.28	70		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
Q3095-18	RE126D2-20250909	Fluoranthene-d10	0.4	0.38	96		30	150
		Nitrobenzene-d5	0.4	0.31	79		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150

Surrogate Summary

SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-18	RE126D2-20250909	Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3095-19	RE126D3-20250909	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
Q3095-20	MW178S-20250910	2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
		2-Methylnaphthalene-d10	0.4	0.26	64		30	150
		Fluoranthene-d10	0.4	0.30	76		30	150
		Nitrobenzene-d5	0.4	0.28	71		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.29	74		58	132

Surrogate Summary

SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169693BL	PB169693BL	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.32	80		30	150
		Nitrobenzene-d5	0.4	0.38	96		55	111
		2-Fluorobiphenyl	0.4	0.40	99		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
PB169693BS	PB169693BS	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.29	73		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.32	81		58	132
Q3095-21	RE126D1-20250910	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
Q3095-22	MW202D1-20250910	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.38	94		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-23	RE104D2-20250910	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3095-24	MW178I-20250910	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
Q3095-25	DUP02-20250910	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3095-26	DUP03-20250910	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.39	96		58	132
Q3095-27	RE117D1-20250910	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.41	103		55	111
		2-Fluorobiphenyl	0.4	0.40	101		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3095-28	RE104D3-20250910	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.38	96		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-29	RE122D2-20250910	2-Methylnaphthalene-d10	0.4	0.35	87		30	150

Surrogate Summary

SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-29	RE122D2-20250910	Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.39	98		55	111
		2-Fluorobiphenyl	0.4	0.41	101		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3095-30	RE104D1-20250910	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
Q3095-31	TT180D-20250911	Terphenyl-d14	0.4	0.38	95		58	132
		2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
Q3095-32	RE122D3-20250911	2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
		2-Methylnaphthalene-d10	0.4	0.35	86		30	150
		Fluoranthene-d10	0.4	0.38	96		30	150
Q3097-02MS	RE103D2-20250911MS	Nitrobenzene-d5	0.4	0.39	98		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
Q3097-03MSD	RE103D2-20250911MSD	Fluoranthene-d10	0.4	0.35	87		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.41	101		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.:

Q3095

Analytical Method:

SW8270-Modified

Client:

AECOM Technical Services, Inc.

DataFile:

BN037743.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3095-06MS	Client Sample ID:	MW203D2-20250909MS								
1,4-Dioxane	0.4	0.85	0.97	ug/L	30	*			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.:

Q3095

Analytical Method:

SW8270-Modified

Client:

AECOM Technical Services, Inc.

DataFile:

BN037744.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3095-07MSD	Client Sample ID:	MW203D2-20250909MSD								
1,4-Dioxane	0.4	0.85	0.96	ug/L	27	*	11		70	130	20



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.:

Q3095

Analytical Method:

SW8270-Modified

Client:

AECOM Technical Services, Inc.

DataFile:

BN037772.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3097-02MS	Client Sample ID:	RE103D2-20250911MS								
1,4-Dioxane	0.4	0.37	0.72	ug/L	88				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:	Q3095	Analytical Method:	SW8270-Modified
Client:	AECOM Technical Services, Inc.	DataFile:	BN037773.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3097-03MSD	Client Sample ID:	RE103D2-20250911MSD								
1,4-Dioxane	0.4	0.37	0.73	ug/L	90		2		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3095

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037791.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169692BS	1,4-Dioxane	0.4	0.30	ug/L	75				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3095

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037792.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169693BS	1,4-Dioxane	0.4	0.31	ug/L	78				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169692BL

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: BN037796.D

Lab Sample ID: PB169692BL

Instrument ID: BNA_N

Date Extracted: 09/15/2025

Matrix: (soil/water) Water

Date Analyzed: 09/19/2025

Level: (low/med) LOW

Time Analyzed: 03:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169692BS	PB169692BS	BN037791.D	09/18/2025
MW305I-20250908	Q3095-01	BN037747.D	09/17/2025
MW179D-20250908	Q3095-02	BN037748.D	09/17/2025
MW203D2-20250909	Q3095-05	BN037742.D	09/17/2025
MW203D2-20250909MS	Q3095-06MS	BN037743.D	09/17/2025
MW201D-20250908	Q3095-03	BN037749.D	09/17/2025
MW179D1-20250908	Q3095-04	BN037750.D	09/17/2025
MW203D2-20250909MSD	Q3095-07MSD	BN037744.D	09/17/2025
MW203D1-20250909	Q3095-08	BN037751.D	09/17/2025
MW179D2-20250909	Q3095-09	BN037752.D	09/17/2025
MW201D1-20250909	Q3095-10	BN037753.D	09/17/2025
RE122D1-20250909	Q3095-11	BN037754.D	09/17/2025
MW178I1-20250909	Q3095-13	BN037755.D	09/17/2025
MW202D-20250909	Q3095-12	BN037761.D	09/18/2025
RE123D1-20250909	Q3095-14	BN037762.D	09/18/2025
RE123D3-20250909	Q3095-15	BN037763.D	09/18/2025
MW305D-20250909	Q3095-16	BN037764.D	09/18/2025
DUP01-20250909	Q3095-17	BN037765.D	09/18/2025
RE126D2-20250909	Q3095-18	BN037766.D	09/18/2025
RE126D3-20250909	Q3095-19	BN037767.D	09/18/2025
MW178S-20250910	Q3095-20	BN037768.D	09/18/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169693BL

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: BN037777.D Lab Sample ID: PB169693BL

Instrument ID: BNA_N Date Extracted: 09/15/2025

Matrix: (soil/water) Water Date Analyzed: 09/18/2025

Level: (low/med) LOW Time Analyzed: 15:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RE126D1-20250910	Q3095-21	BN037783.D	09/18/2025
MW202D1-20250910	Q3095-22	BN037784.D	09/18/2025
RE104D2-20250910	Q3095-23	BN037785.D	09/18/2025
MW178I-20250910	Q3095-24	BN037786.D	09/18/2025
PB169693BS	PB169693BS	BN037792.D	09/19/2025
DUP02-20250910	Q3095-25	BN037787.D	09/18/2025
DUP03-20250910	Q3095-26	BN037788.D	09/18/2025
RE122D2-20250910	Q3095-29	BN037797.D	09/19/2025
RE104D1-20250910	Q3095-30	BN037798.D	09/19/2025
TT180D-20250911	Q3095-31	BN037799.D	09/19/2025
RE122D3-20250911	Q3095-32	BN037800.D	09/19/2025
RE117D1-20250910	Q3095-27	BN037815.D	09/19/2025
RE104D3-20250910	Q3095-28	BN037843.D	09/20/2025
RE103D2-20250911MS	Q3097-02MS	BN037772.D	09/18/2025
RE103D2-20250911MSD	Q3097-03MSD	BN037773.D	09/18/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037689.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/11/2025
DFTPP Injection Time: 07:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1) 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	6.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	79.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.5 (20.4) 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
SSTDICC0.1	SSTDICC0.1	BN037691.D	09/11/2025	09:56
SSTDICC0.2	SSTDICC0.2	BN037692.D	09/11/2025	10:32
SSTDICCC0.4	SSTDICCC0.4	BN037693.D	09/11/2025	11:08
SSTDICC0.8	SSTDICC0.8	BN037694.D	09/11/2025	11:44
SSTDICC1.6	SSTDICC1.6	BN037695.D	09/11/2025	12:20
SSTDICC3.2	SSTDICC3.2	BN037696.D	09/11/2025	12:56
SSTDICC5.0	SSTDICC5.0	BN037697.D	09/11/2025	13:33

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037739.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/17/2025
DFTPP Injection Time: 10:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.4) 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	3.7
441	Present, but less than mass 443	82.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (21.3) 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	BN037740.D	09/17/2025	11:25
MW203D2-20250909	Q3095-05	BN037742.D	09/17/2025	12:38
MW203D2-20250909MS	Q3095-06MS	BN037743.D	09/17/2025	13:14
MW203D2-20250909MSD	Q3095-07MSD	BN037744.D	09/17/2025	13:59
MW305I-20250908	Q3095-01	BN037747.D	09/17/2025	15:47
MW179D-20250908	Q3095-02	BN037748.D	09/17/2025	16:24
MW201D-20250908	Q3095-03	BN037749.D	09/17/2025	17:00
MW179D1-20250908	Q3095-04	BN037750.D	09/17/2025	17:36
MW203D1-20250909	Q3095-08	BN037751.D	09/17/2025	18:13
MW179D2-20250909	Q3095-09	BN037752.D	09/17/2025	18:49
MW201D1-20250909	Q3095-10	BN037753.D	09/17/2025	19:25
RE122D1-20250909	Q3095-11	BN037754.D	09/17/2025	20:01
MW178I1-20250909	Q3095-13	BN037755.D	09/17/2025	20:37
SSTDCCC0.4EC	SSTDCCC0.4	BN037757.D	09/17/2025	21:50

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037758.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/18/2025
DFTPP Injection Time: 02:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.1) 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	6.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	86.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (19.9) 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	BN037759.D	09/18/2025	02:46
MW202D-20250909	Q3095-12	BN037761.D	09/18/2025	03:58
RE123D1-20250909	Q3095-14	BN037762.D	09/18/2025	04:34
RE123D3-20250909	Q3095-15	BN037763.D	09/18/2025	05:10
MW305D-20250909	Q3095-16	BN037764.D	09/18/2025	05:46
DUP01-20250909	Q3095-17	BN037765.D	09/18/2025	06:23
RE126D2-20250909	Q3095-18	BN037766.D	09/18/2025	06:59
RE126D3-20250909	Q3095-19	BN037767.D	09/18/2025	07:35
MW178S-20250910	Q3095-20	BN037768.D	09/18/2025	08:11
RE103D2-20250911MS	Q3097-02MS	BN037772.D	09/18/2025	11:48
RE103D2-20250911MSD	Q3097-03MSD	BN037773.D	09/18/2025	12:25
SSTDCCC0.4EC	SSTDCCC0.4	BN037774.D	09/18/2025	13:16

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037775.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/18/2025
DFTPP Injection Time: 13:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.7) 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	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	85.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (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
SSTDCCC0.4	SSTDCCC0.4	BN037776.D	09/18/2025	14:32
PB169693BL	PB169693BL	BN037777.D	09/18/2025	15:10
RE126D1-20250910	Q3095-21	BN037783.D	09/18/2025	18:49
MW202D1-20250910	Q3095-22	BN037784.D	09/18/2025	19:25
RE104D2-20250910	Q3095-23	BN037785.D	09/18/2025	20:02
MW178I-20250910	Q3095-24	BN037786.D	09/18/2025	20:38
DUP02-20250910	Q3095-25	BN037787.D	09/18/2025	21:14
DUP03-20250910	Q3095-26	BN037788.D	09/18/2025	21:51
MW201D-20250908DL	Q3095-03DL	BN037789.D	09/18/2025	22:27
PB169692BS	PB169692BS	BN037791.D	09/18/2025	23:40
PB169693BS	PB169693BS	BN037792.D	09/19/2025	00:16
SSTDCCC0.4EC	SSTDCCC0.4	BN037793.D	09/19/2025	00:52

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037794.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/19/2025
DFTPP Injection Time: 02:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.4) 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	6.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	86.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.9 (18.3) 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	BN037795.D	09/19/2025	02:47
PB169692BL	PB169692BL	BN037796.D	09/19/2025	03:24
RE122D2-20250910	Q3095-29	BN037797.D	09/19/2025	04:00
RE104D1-20250910	Q3095-30	BN037798.D	09/19/2025	04:37
TT180D-20250911	Q3095-31	BN037799.D	09/19/2025	05:13
RE122D3-20250911	Q3095-32	BN037800.D	09/19/2025	05:49
SSTDCCC0.4EC	SSTDCCC0.4	BN037811.D	09/19/2025	13:03

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037812.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/19/2025
DFTPP Injection Time: 13:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.4) 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	6.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	80.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (20.1) 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	BN037813.D	09/19/2025	14:19
RE117D1-20250910	Q3095-27	BN037815.D	09/19/2025	15:32
SSTDCCC0.4EC	SSTDCCC0.4	BN037830.D	09/20/2025	00:39

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037831.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3095
DFTPP Injection Date: 09/20/2025
DFTPP Injection Time: 01:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.8 (1.9) 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	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (20.2) 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
SSTDCCC0.4	SSTDCCC0.4	BN037832.D	09/20/2025	02:35
RE104D3-20250910	Q3095-28	BN037843.D	09/20/2025	09:14
SSTDCCC0.4EC	SSTDCCC0.4	BN037847.D	09/20/2025	11:39

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3095

Client ID : SSTDCCC0.4

Date Analyzed: 09/17/2025

Lab File ID: BN037740.D

Time Analyzed: 11:25

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	6660	7.84	18396	10.65	8930	14.50
UPPER LIMIT	13320	8.34	36792	11.148	17860	14.995
LOWER LIMIT	3330	7.34	9198	10.148	4465	13.995
EPA SAMPLE NO.						
01 MW305I-20250908	6426	7.84	17307	10.64	7564	14.49
02 MW179D-20250908	6623	7.84	18145	10.64	8084	14.49
03 MW201D-20250908	6464	7.84	17423	10.64	7814	14.50
04 MW179D1-20250908	6641	7.84	17861	10.64	7906	14.50
05 MW203D2-20250909	7535	7.84	20988	10.65	9821	14.49
06 MW203D2-20250909MS	6853	7.84	18950	10.64	8815	14.49
07 MW203D2-20250909MSD	7569	7.85	20880	10.65	9823	14.49
08 MW203D1-20250909	6737	7.84	18255	10.64	8162	14.50
09 MW179D2-20250909	6450	7.84	17530	10.64	7934	14.49
10 MW201D1-20250909	6375	7.83	17020	10.64	7746	14.48
11 RE122D1-20250909	6754	7.83	18549	10.64	8723	14.49
12 MW178I1-20250909	6476	7.83	17530	10.64	7818	14.49

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.: Q3095

Client ID: SSTDCCC0.4

Date Analyzed: 09/17/2025

Lab File ID: BN037740.D

Time Analyzed: 11:25

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	15814	17.235	13841	21.42	14132	23.753
UPPER LIMIT	31628	17.735	27682	21.92	28264	24.253
LOWER LIMIT	7907	16.735	6920.5	20.92	7066	23.253
EPA SAMPLE NO.						
01 MW305I-20250908	13404	17.24	10925	21.41	10440	23.75
02 MW179D-20250908	13859	17.24	11041	21.41	10735	23.75
03 MW201D-20250908	14079	17.24	12160	21.41	12015	23.75
04 MW179D1-20250908	13742	17.24	11462	21.41	11339	23.75
05 MW203D2-20250909	16837	17.24	12718	21.41	12632	23.75
06 MW203D2-20250909MS	15289	17.24	13059	21.42	12757	23.75
07 MW203D2-20250909MSD	16954	17.24	14253	21.42	13967	23.76
08 MW203D1-20250909	14474	17.24	12341	21.41	12297	23.75
09 MW179D2-20250909	13430	17.24	10479	21.41	10489	23.75
10 MW201D1-20250909	13901	17.24	12559	21.41	12839	23.75
11 RE122D1-20250909	14502	17.24	10754	21.41	10771	23.75
12 MW178I1-20250909	14505	17.24	12734	21.41	12709	23.75

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.: Q3095

Client ID : SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037759.D

Time Analyzed: 02:46

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	8012	7.833	21664	10.64	10192	14.48
UPPER LIMIT	16024	8.333	43328	11.137	20384	14.984
LOWER LIMIT	4006	7.333	10832	10.137	5096	13.984
EPA SAMPLE NO.						
01 MW202D-20250909	7232	7.83	19420	10.64	8613	14.48
02 RE123D1-20250909	6993	7.83	18780	10.64	8989	14.48
03 RE123D3-20250909	7985	7.83	22130	10.64	10297	14.48
04 MW305D-20250909	7657	7.83	21168	10.64	9850	14.48
05 DUP01-20250909	7819	7.83	21320	10.64	9718	14.48
06 RE126D2-20250909	8399	7.83	23335	10.64	10732	14.48
07 RE126D3-20250909	8360	7.83	22865	10.64	10200	14.48
08 MW178S-20250910	7451	7.83	19960	10.64	9139	14.48
09 RE103D2-20250911MS	7218	7.83	19437	10.64	8792	14.48
10 RE103D2-20250911MSD	7159	7.83	19099	10.64	8494	14.48

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.: Q3095

Client ID: SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037759.D

Time Analyzed: 02:46

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	18613	17.235	16797	21.411	18043	23.741
	UPPER LIMIT	37226	17.735	33594	21.911	36086	24.241
	LOWER LIMIT	9306.5	16.735	8398.5	20.911	9021.5	23.241
	EPA SAMPLE NO.						
01	MW202D-20250909	15444	17.24	12865	21.41	13080	23.74
02	RE123D1-20250909	16581	17.24	13960	21.41	14258	23.74
03	RE123D3-20250909	18311	17.24	14395	21.41	14910	23.74
04	MW305D-20250909	18466	17.24	16400	21.41	17053	23.74
05	DUP01-20250909	17159	17.24	13647	21.41	14246	23.74
06	RE126D2-20250909	18615	17.24	13639	21.41	14319	23.75
07	RE126D3-20250909	17532	17.24	14129	21.41	14395	23.75
08	MW178S-20250910	17489	17.24	16160	21.41	15607	23.74
09	RE103D2-20250911MS	14560	17.24	11077	21.41	10712	23.74
10	RE103D2-20250911MSD	14218	17.24	11982	21.41	11726	23.75

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.: Q3095

Client ID : SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037776.D

Time Analyzed: 14:32

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	7127	7.833	18984	10.64	8698	14.48
UPPER LIMIT	14254	8.333	37968	11.137	17396	14.984
LOWER LIMIT	3563.5	7.333	9492	10.137	4349	13.984
EPA SAMPLE NO.						
01 PB169692BS	6983	7.83	18103	10.64	7729	14.48
02 PB169693BL	6667	7.84	17045	10.64	7049	14.48
03 PB169693BS	7441	7.83	19392	10.64	8149	14.48
04 MW201D-20250908DL	7715	7.83	20993	10.64	9567	14.48
05 RE126D1-20250910	8225	7.83	22467	10.64	10495	14.48
06 MW202D1-20250910	7721	7.83	20880	10.64	9442	14.48
07 RE104D2-20250910	7416	7.83	19792	10.64	9115	14.48
08 MW178I-20250910	7906	7.83	21432	10.64	9551	14.48
09 DUP02-20250910	8067	7.83	22034	10.64	10108	14.48
10 DUP03-20250910	7666	7.83	20364	10.64	8849	14.48

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.: Q3095

Client ID: SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037776.D

Time Analyzed: 14:32

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	14526	17.235	10438	21.411	10600	23.744
	UPPER LIMIT	29052	17.735	20876	21.911	21200	24.244
	LOWER LIMIT	7263	16.735	5219	20.911	5300	23.244
	EPA SAMPLE NO.						
01	PB169692BS	12277	17.24	10644	21.41	10808	23.74
02	PB169693BL	11652	17.24	9221	21.41	9002	23.75
03	PB169693BS	12386	17.24	10095	21.41	10200	23.74
04	MW201D-20250908DL	16081	17.24	11736	21.41	11717	23.74
05	RE126D1-20250910	19347	17.24	17267	21.41	17743	23.74
06	MW202D1-20250910	16202	17.24	13556	21.41	13782	23.74
07	RE104D2-20250910	16768	17.24	14951	21.41	14804	23.74
08	MW178I-20250910	16120	17.24	12351	21.41	12408	23.74
09	DUP02-20250910	17248	17.24	12319	21.41	12006	23.74
10	DUP03-20250910	15319	17.24	12443	21.41	11797	23.74

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.: Q3095

Client ID : SSTDCCC0.4

Date Analyzed: 09/19/2025

Lab File ID: BN037795.D

Time Analyzed: 02:47

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	7724	7.833	19361	10.64	8621	14.48
UPPER LIMIT	15448	8.333	38722	11.137	17242	14.984
LOWER LIMIT	3862	7.333	9680.5	10.137	4310.5	13.984
EPA SAMPLE NO.						
01 PB169692BL	7701	7.83	18665	10.64	7806	14.48
02 RE122D2-20250910	6378	7.83	15422	10.64	6530	14.48
03 RE104D1-20250910	6794	7.83	16429	10.64	7128	14.48
04 TT180D-20250911	6964	7.83	16642	10.64	7189	14.48
05 RE122D3-20250911	5969	7.83	15717	10.64	6882	14.48

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.: Q3095

Client ID: SSTDCCC0.4

Date Analyzed: 09/19/2025

Lab File ID: BN037795.D

Time Analyzed: 02:47

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	14380	17.235	11169	21.411	11840	23.742
UPPER LIMIT	28760	17.735	22338	21.911	23680	24.242
LOWER LIMIT	7190	16.735	5584.5	20.911	5920	23.242
EPA SAMPLE NO.						
01 PB169692BL	12511	17.24	10022	21.41	10278	23.74
02 RE122D2-20250910	11243	17.24	9477	21.41	9344	23.74
03 RE104D1-20250910	12460	17.24	10431	21.41	10216	23.74
04 TT180D-20250911	12481	17.24	10625	21.41	10338	23.74
05 RE122D3-20250911	11849	17.24	9882	21.41	9588	23.74

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.: Q3095

Client ID : SSTDCCC0.4

Date Analyzed: 09/19/2025

Lab File ID: BN037813.D

Time Analyzed: 14:19

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	4812	7.833	12410	10.64	5585	14.48
UPPER LIMIT	9624	8.333	24820	11.137	11170	14.984
LOWER LIMIT	2406	7.333	6205	10.137	2792.5	13.984
EPA SAMPLE NO.						
01 RE117D1-20250910	4745	7.83	12184	10.64	5111	14.48

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.: Q3095

Client ID: SSTDCCC0.4

Date Analyzed: 09/19/2025

Lab File ID: BN037813.D

Time Analyzed: 14:19

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	9638	17.235	8466	21.411	8084	23.739
UPPER LIMIT	19276	17.735	16932	21.911	16168	24.239
LOWER LIMIT	4819	16.735	4233	20.911	4042	23.239
EPA SAMPLE NO.						
01 RE117D1-20250910	8978	17.22	8113	21.41	7855	23.74

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.: Q3095

Client ID : SSTDCCC0.4

Date Analyzed: 09/20/2025

Lab File ID: BN037832.D

Time Analyzed: 02:35

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	6232	7.825	16500	10.64	7183	14.48
UPPER LIMIT	12464	8.325	33000	11.137	14366	14.984
LOWER LIMIT	3116	7.325	8250	10.137	3591.5	13.984
EPA SAMPLE NO.						
01 RE104D3-20250910	5576	7.83	14489	10.63	6033	14.48

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.: Q3095

Client ID: SSTDCCC0.4

Date Analyzed: 09/20/2025

Lab File ID: BN037832.D

Time Analyzed: 02:35

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	11907	17.223	9777	21.402	10066	23.736
UPPER LIMIT	23814	17.723	19554	21.902	20132	24.236
LOWER LIMIT	5953.5	16.723	4888.5	20.902	5033	23.236
EPA SAMPLE NO.						
01 RE104D3-20250910	10379	17.22	8825	21.40	32 *	23.74

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:	PB169692BL		SDG No.:	Q3095
Lab Sample ID:	PB169692BL		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
BN037796.D	1	09/15/25 10:15	09/19/25 03:24	PB169692

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		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.34		58 - 132		84%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7700	7.833				
1146-65-2	Naphthalene-d8	18700	10.637				
15067-26-2	Acenaphthene-d10	7810	14.484				
1517-22-2	Phenanthrene-d10	12500	17.236				
1719-03-5	Chrysene-d12	10000	21.411				
1520-96-3	Perylene-d12	10300	23.739				

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:	PB169693BL		SDG No.:	Q3095
Lab Sample ID:	PB169693BL		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
BN037777.D	1	09/15/25 12:00	09/18/25 15:10	PB169693

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	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		80%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		90%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6670	7.84				
1146-65-2	Naphthalene-d8	17000	10.637				
15067-26-2	Acenaphthene-d10	7050	14.484				
1517-22-2	Phenanthrene-d10	11700	17.236				
1719-03-5	Chrysene-d12	9220	21.411				
1520-96-3	Perylene-d12	9000	23.75				

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:	PB169692BS		SDG No.:	Q3095
Lab Sample ID:	PB169692BS		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
BN037791.D	1	09/15/25 10:15	09/18/25 23:40	PB169692

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	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.31		58 - 132		78%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6980	7.833				
1146-65-2	Naphthalene-d8	18100	10.637				
15067-26-2	Acenaphthene-d10	7730	14.484				
1517-22-2	Phenanthrene-d10	12300	17.235				
1719-03-5	Chrysene-d12	10600	21.411				
1520-96-3	Perylene-d12	10800	23.739				

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:	PB169693BS		SDG No.:	Q3095
Lab Sample ID:	PB169693BS		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
BN037792.D	1	09/15/25 12:00	09/19/25 00:16	PB169693

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	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 - 150		73%	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	0.32		58 - 132		81%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7440	7.833				
1146-65-2	Naphthalene-d8	19400	10.637				
15067-26-2	Acenaphthene-d10	8150	14.484				
1517-22-2	Phenanthrene-d10	12400	17.235				
1719-03-5	Chrysene-d12	10100	21.411				
1520-96-3	Perylene-d12	10200	23.738				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MS		SDG No.:	Q3095
Lab Sample ID:	Q3095-06MS		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
BN037743.D	1	09/15/25 10:15	09/17/25 13:14	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.97		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	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		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6850	7.84				
1146-65-2	Naphthalene-d8	19000	10.637				
15067-26-2	Acenaphthene-d10	8820	14.494				
1517-22-2	Phenanthrene-d10	15300	17.235				
1719-03-5	Chrysene-d12	13100	21.42				
1520-96-3	Perylene-d12	12800	23.75				

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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE103D2-20250911MS		SDG No.:	Q3095	
Lab Sample ID:	Q3097-02MS		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
BN037772.D	1	09/15/25 12:00	09/18/25 11:48	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.72		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	0.35		30 - 150		87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	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	7220	7.833				
1146-65-2	Naphthalene-d8	19400	10.637				
15067-26-2	Acenaphthene-d10	8790	14.484				
1517-22-2	Phenanthrene-d10	14600	17.236				
1719-03-5	Chrysene-d12	11100	21.411				
1520-96-3	Perylene-d12	10700	23.744				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MSD	SDG No.:	Q3095
Lab Sample ID:	Q3095-07MSD	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
BN037744.D	1	09/15/25 10:15	09/17/25 13:59	PB169692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.96		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	0.33		30 - 150		83%	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		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7570	7.847				
1146-65-2	Naphthalene-d8	20900	10.648				
15067-26-2	Acenaphthene-d10	9820	14.494				
1517-22-2	Phenanthrene-d10	17000	17.235				
1719-03-5	Chrysene-d12	14300	21.42				
1520-96-3	Perylene-d12	14000	23.756				

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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE103D2-20250911MSD		SDG No.:	Q3095	
Lab Sample ID:	Q3097-03MSD		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
BN037773.D	1	09/15/25 12:00	09/18/25 12:25	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.73		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	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7160	7.833				
1146-65-2	Naphthalene-d8	19100	10.637				
15067-26-2	Acenaphthene-d10	8490	14.484				
1517-22-2	Phenanthrene-d10	14200	17.235				
1719-03-5	Chrysene-d12	12000	21.411				
1520-96-3	Perylene-d12	11700	23.747				

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-BN091125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Sep 11 14:20:01 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037691.D 0.2 =BN037692.D 0.4 =BN037693.D 0.8 =BN037694.D 1.6 =BN037695.D 3.2 =BN037696.D 5 =BN037697.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	0.429	0.422	0.411	0.432	0.418	0.388	0.417	3.80	
3)	n-Nitrosodimet...	0.530	0.564	0.515	0.556	0.550	0.551	0.544	3.34	
4) S	2-Fluorophenol	0.929	0.913	0.892	0.840	0.912	0.937	1.004	0.918	5.37
5) S	Phenol-d6	1.191	1.193	1.156	1.088	1.193	1.225	1.289	1.191	5.15
6)	bis(2-Chloroet...	1.076	1.075	1.070	1.019	1.078	1.066	1.063	1.064	1.94
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.287	0.279	0.285	0.272	0.296	0.303	0.325	0.293	6.05
9)	Naphthalene	1.091	1.072	1.074	1.036	1.117	1.115	1.149	1.093	3.38
10)	Hexachlorobuta...	0.199	0.196	0.197	0.189	0.203	0.199	0.202	0.198	2.29
11) SURR	2-Methylnaphth...	0.497	0.497	0.498	0.478	0.522	0.550	0.668	0.530	12.31
12)	2-Methylnaphth...	0.643	0.651	0.659	0.633	0.697	0.712	0.740	0.676	5.91
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.088	0.098	0.101	0.096	0.113	0.131	0.104	14.74	
15) S	2-Fluorobiphenyl	1.663	1.666	1.649	1.586	1.689	1.674	1.785	1.673	3.54
16)	Acenaphthylene	1.754	1.756	1.783	1.727	1.885	1.916	2.020	1.834	5.90
17)	Acenaphthene	1.165	1.199	1.215	1.187	1.272	1.296	1.348	1.240	5.37
18)	Fluorene	1.404	1.402	1.441	1.419	1.545	1.633	1.671	1.502	7.59
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.032	0.033	0.033	0.040	0.046	0.037	16.34		
21)	4-Bromophenyl-...	0.250	0.252	0.251	0.248	0.272	0.269	0.284	0.261	5.43
22)	Hexachlorobenzene	0.301	0.308	0.294	0.280	0.305	0.302	0.310	0.300	3.39
23)	Atrazine	0.145	0.151	0.152	0.146	0.169	0.190	0.209	0.166	15.00
24)	Pentachlorophenol	0.074	0.074	0.073	0.086	0.100	0.115	0.087	19.46	
25)	Phenanthrene	1.228	1.215	1.223	1.173	1.285	1.321	1.371	1.259	5.47
26)	Anthracene	1.038	1.029	1.070	1.030	1.140	1.221	1.281	1.116	9.09
27) SURR	Fluoranthene-d10	0.912	0.887	0.935	0.883	0.954	1.108	1.350	1.004	16.98
28)	Fluoranthene	1.257	1.224	1.310	1.269	1.393	1.578	1.637	1.381	11.91
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.578	1.618	1.557	1.473	1.603	1.542	1.590	1.566	3.09
31) S	Terphenyl-d14	0.806	0.833	0.801	0.754	0.812	0.784	0.892	0.812	5.30
32)	Benzo(a)anthra...	1.386	1.345	1.347	1.297	1.410	1.459	1.522	1.395	5.46
33)	Chrysene	1.523	1.491	1.496	1.402	1.510	1.506	1.543	1.496	3.01
34)	Bis(2-ethylhex...	0.440	0.376	0.345	0.380	0.438	0.504	0.414	13.96	
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN091125.M

36)	Indeno(1,2,3-c...	1.517	1.491	1.543	1.532	1.791	1.865	2.025	1.681	12.58
37)	Benzo(b)fluora...	1.463	1.475	1.554	1.444	1.636	1.674	1.778	1.575	7.99
38)	Benzo(k)fluora...	1.516	1.543	1.524	1.501	1.705	1.696	1.756	1.606	6.73
39) C	Benzo(a)pyrene	1.155	1.172	1.201	1.151	1.314	1.367	1.467	1.261	9.78
40)	Dibenzo(a,h)an...	1.157	1.175	1.210	1.232	1.463	1.519	1.636	1.342	14.39
41)	Benzo(g,h,i)pe...	1.413	1.402	1.451	1.375	1.568	1.607	1.723	1.506	8.59

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3095
Instrument ID: BNA_N Calibration Date/Time: 09/17/2025 11:25
Lab File ID: BN037740.D Init. Calib. Date(s): 09/11/2025 09/11/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.517		-2.5	20.0
Fluoranthene-d10	1.004	0.936		-6.8	20.0
2-Fluorophenol	0.918	0.926		0.9	20.0
Phenol-d6	1.191	1.176		-1.3	20.0
Nitrobenzene-d5	0.293	0.284		-3.1	20.0
2-Fluorobiphenyl	1.673	1.620		-3.2	20.0
2,4,6-Tribromophenol	0.104	0.123		18.3	20.0
Terphenyl-d14	0.812	0.757		-6.8	20.0
1,4-Dioxane	0.417	0.449		7.7	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>Q3095</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/17/2025 21:50</u>
Lab File ID:	<u>BN037757.D</u>	Init. Calib. Date(s):	<u>09/11/2025 09/11/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>09:56 13:33</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	0.530	0.503		-5.1	50.0
Fluoranthene-d10	1.004	0.936		-6.8	50.0
2-Fluorophenol	0.918	0.971		5.8	50.0
Phenol-d6	1.191	1.159		-2.7	50.0
Nitrobenzene-d5	0.293	0.283		-3.4	50.0
2-Fluorobiphenyl	1.673	1.646		-1.6	50.0
2,4,6-Tribromophenol	0.104	0.122		17.3	50.0
Terphenyl-d14	0.812	0.761		-6.3	50.0
1,4-Dioxane	0.417	0.432		3.6	50.0

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>Q3095</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/18/2025 02:46</u>
Lab File ID:	<u>BN037759.D</u>	Init. Calib. Date(s):	<u>09/11/2025 09/11/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>09:56 13:33</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	0.530	0.511		-3.6	20.0
Fluoranthene-d10	1.004	0.949		-5.5	20.0
2-Fluorophenol	0.918	0.939		2.3	20.0
Phenol-d6	1.191	1.179		-1.0	20.0
Nitrobenzene-d5	0.293	0.286		-2.4	20.0
2-Fluorobiphenyl	1.673	1.646		-1.6	20.0
2,4,6-Tribromophenol	0.104	0.120		15.4	20.0
Terphenyl-d14	0.812	0.735		-9.5	20.0
1,4-Dioxane	0.417	0.432		3.6	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.: Q3095
Instrument ID: BNA_N Calibration Date/Time: 09/18/2025 13:16
Lab File ID: BN037774.D Init. Calib. Date(s): 09/11/2025 09/11/2025
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.506		-4.5	50.0
Fluoranthene-d10	1.004	0.949		-5.5	50.0
2-Fluorophenol	0.918	0.915		-0.3	50.0
Phenol-d6	1.191	1.160		-2.6	50.0
Nitrobenzene-d5	0.293	0.296		1.0	50.0
2-Fluorobiphenyl	1.673	1.646		-1.6	50.0
2,4,6-Tribromophenol	0.104	0.126		21.2	50.0
Terphenyl-d14	0.812	0.758		-6.7	50.0
1,4-Dioxane	0.417	0.425		1.9	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.: Q3095
 Instrument ID: BNA_N Calibration Date/Time: 09/18/2025 14:32
 Lab File ID: BN037776.D Init. Calib. Date(s): 09/11/2025 09/11/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.497		-6.2	20.0
Fluoranthene-d10	1.004	0.839		-16.4	20.0
2-Fluorophenol	0.918	0.890		-3.0	20.0
Phenol-d6	1.191	1.130		-5.1	20.0
Nitrobenzene-d5	0.293	0.298		1.7	20.0
2-Fluorobiphenyl	1.673	1.679		0.4	20.0
2,4,6-Tribromophenol	0.104	0.114		9.6	20.0
Terphenyl-d14	0.812	0.801		-1.4	20.0
1,4-Dioxane	0.417	0.428		2.6	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.: Q3095
 Instrument ID: BNA_N Calibration Date/Time: 09/19/2025 00:52
 Lab File ID: BN037793.D Init. Calib. Date(s): 09/11/2025 09/11/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.496		-6.4	50.0
Fluoranthene-d10	1.004	0.954		-5.0	50.0
2-Fluorophenol	0.918	0.923		0.5	50.0
Phenol-d6	1.191	1.148		-3.6	50.0
Nitrobenzene-d5	0.293	0.295		0.7	50.0
2-Fluorobiphenyl	1.673	1.632		-2.5	50.0
2,4,6-Tribromophenol	0.104	0.127		22.1	50.0
Terphenyl-d14	0.812	0.785		-3.3	50.0
1,4-Dioxane	0.417	0.436		4.6	50.0

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>Q3095</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/19/2025 02:47</u>
Lab File ID:	<u>BN037795.D</u>	Init. Calib. Date(s):	<u>09/11/2025 09/11/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>09:56 13:33</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	0.530	0.490		-7.5	20.0
Fluoranthene-d10	1.004	0.858		-14.5	20.0
2-Fluorophenol	0.918	0.830		-9.6	20.0
Phenol-d6	1.191	1.152		-3.3	20.0
Nitrobenzene-d5	0.293	0.308		5.1	20.0
2-Fluorobiphenyl	1.673	1.696		1.4	20.0
2,4,6-Tribromophenol	0.104	0.120		15.4	20.0
Terphenyl-d14	0.812	0.771		-5.0	20.0
1,4-Dioxane	0.417	0.391		-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>Q3095</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/19/2025 13:03</u>
Lab File ID:	<u>BN037811.D</u>	Init. Calib. Date(s):	<u>09/11/2025 09/11/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>09:56 13:33</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	0.530	0.497		-6.2	50.0
Fluoranthene-d10	1.004	0.957		-4.7	50.0
2-Fluorophenol	0.918	1.044		13.7	50.0
Phenol-d6	1.191	1.176		-1.3	50.0
Nitrobenzene-d5	0.293	0.292		-0.3	50.0
2-Fluorobiphenyl	1.673	1.615		-3.5	50.0
2,4,6-Tribromophenol	0.104	0.131		26.0	50.0
Terphenyl-d14	0.812	0.765		-5.8	50.0
1,4-Dioxane	0.417	0.424		1.7	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.: Q3095
Instrument ID: BNA_N Calibration Date/Time: 09/19/2025 14:19
Lab File ID: BN037813.D Init. Calib. Date(s): 09/11/2025 09/11/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.473		-10.8	20.0
Fluoranthene-d10	1.004	0.897		-10.7	20.0
2-Fluorophenol	0.918	0.947		3.2	20.0
Phenol-d6	1.191	1.079		-9.4	20.0
Nitrobenzene-d5	0.293	0.284		-3.1	20.0
2-Fluorobiphenyl	1.673	1.589		-5.0	20.0
2,4,6-Tribromophenol	0.104	0.121		16.3	20.0
Terphenyl-d14	0.812	0.730		-10.1	20.0
1,4-Dioxane	0.417	0.410		-1.7	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.: Q3095
 Instrument ID: BNA_N Calibration Date/Time: 09/20/2025 00:39
 Lab File ID: BN037830.D Init. Calib. Date(s): 09/11/2025 09/11/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.471		-11.1	50.0
Fluoranthene-d10	1.004	0.971		-3.3	50.0
2-Fluorophenol	0.918	0.830		-9.6	50.0
Phenol-d6	1.191	1.088		-8.6	50.0
Nitrobenzene-d5	0.293	0.282		-3.8	50.0
2-Fluorobiphenyl	1.673	1.621		-3.1	50.0
2,4,6-Tribromophenol	0.104	0.105		1.0	50.0
Terphenyl-d14	0.812	0.741		-8.7	50.0
1,4-Dioxane	0.417	0.395		-5.3	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.: Q3095
Instrument ID: BNA_N Calibration Date/Time: 09/20/2025 02:35
Lab File ID: BN037832.D Init. Calib. Date(s): 09/11/2025 09/11/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.469		-11.5	20.0
Fluoranthene-d10	1.004	0.832		-17.1	20.0
2-Fluorophenol	0.918	0.870		-5.2	20.0
Phenol-d6	1.191	1.110		-6.8	20.0
Nitrobenzene-d5	0.293	0.281		-4.1	20.0
2-Fluorobiphenyl	1.673	1.666		-0.4	20.0
2,4,6-Tribromophenol	0.104	0.112		7.7	20.0
Terphenyl-d14	0.812	0.693		-14.7	20.0
1,4-Dioxane	0.417	0.400		-4.1	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.: Q3095
Instrument ID: BNA_N Calibration Date/Time: 09/20/2025 11:39
Lab File ID: BN037847.D Init. Calib. Date(s): 09/11/2025 09/11/2025
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:56 13:33
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.530	0.470		-11.3	50.0
Fluoranthene-d10	1.004	0.915		-8.9	50.0
2-Fluorophenol	0.918	0.876		-4.6	50.0
Phenol-d6	1.191	1.109		-6.9	50.0
Nitrobenzene-d5	0.293	0.288		-1.7	50.0
2-Fluorobiphenyl	1.673	1.607		-3.9	50.0
2,4,6-Tribromophenol	0.104	0.123		18.3	50.0
Terphenyl-d14	0.812	0.706		-13.1	50.0
1,4-Dioxane	0.417	0.423		1.4	50.0

All other compounds must meet a minimum RRF of 0.010.