

LAB CHRONICLE

OrderID:	Q3097	OrderDate:	9/12/2025 1:28:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3097-01	RE103D2-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-04	RE125D1-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-05	RE125D3-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-06	RE103D3-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-07	RE108D2-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-08	RE125D2-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-08DL	RE125D2-20250911D L	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-09	RE108D1-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/15/25	09/18/25	09/12/25
Q3097-10	RE120D3-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/16/25	09/19/25	09/12/25
Q3097-11	RE105D1-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/16/25	09/19/25	09/12/25
Q3097-12	DUP04-20250911	Water	SVOC-SIMGroup1	8270-Modified	09/11/25	09/16/25	09/19/25	09/12/25

LAB CHRONICLE

Q3097-13	DUP05-20250911	Water			09/11/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-13DL	DUP05-20250911DL	Water			09/11/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-14	RE105D2-20250911	Water			09/11/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-15	RE117D2-20250911	Water			09/11/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-19	RE120D1-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-19DL	RE120D1-20250912D L	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-20	DUP06-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/20/25	
Q3097-20DL	DUP06-20250912DL	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/22/25	
Q3097-21	RE120D2-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-22	RE134D1-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-23	RE134D4-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-24	RE134D2-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	
Q3097-24DL	RE134D2-20250912D L	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/22/25	
Q3097-25	RE134D3-20250912	Water			09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25	

LAB CHRONICLE

Q3097-25DL	RE134D3-20250912D L	Water		09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/22/25
Q3097-26	EB01-20250912	Water		09/12/25			09/12/25
			SVOC-SIMGroup1	8270-Modified		09/16/25	09/19/25

Hit Summary Sheet SW-846

SDG No.: Q3097

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RE103D2-20250911								
Q3097-01	RE103D2-20250911	WATER	1,4-Dioxane	0.370		0.07	0.2	0.2	ug/L
			Total Svoc :			0.37			
			Total Concentration:			0.37			
Client ID :	RE125D1-20250911								
Q3097-04	RE125D1-20250911	WATER	1,4-Dioxane	4.700		0.07	0.2	0.2	ug/L
			Total Svoc :			4.70			
			Total Concentration:			4.70			
Client ID :	RE125D3-20250911								
Q3097-05	RE125D3-20250911	WATER	1,4-Dioxane	2.100		0.07	0.2	0.2	ug/L
			Total Svoc :			2.10			
			Total Concentration:			2.10			
Client ID :	RE103D3-20250911								
Q3097-06	RE103D3-20250911	WATER	1,4-Dioxane	0.100	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.10			
			Total Concentration:			0.10			
Client ID :	RE108D2-20250911								
Q3097-07	RE108D2-20250911	WATER	1,4-Dioxane	2.100		0.07	0.2	0.2	ug/L
			Total Svoc :			2.10			
			Total Concentration:			2.10			
Client ID :	RE125D2-20250911								
Q3097-08	RE125D2-20250911	WATER	1,4-Dioxane	7.400	E	0.07	0.2	0.2	ug/L
			Total Svoc :			7.40			
			Total Concentration:			7.40			
Client ID :	RE125D2-20250911DL								
Q3097-08DL	RE125D2-20250911DL	WATER	1,4-Dioxane	8.200	D	0.33	1	1	ug/L
			Total Svoc :			8.20			
			Total Concentration:			8.20			
Client ID :	RE108D1-20250911								
Q3097-09	RE108D1-20250911	WATER	1,4-Dioxane	2.800		0.07	0.2	0.2	ug/L
			Total Svoc :			2.80			
			Total Concentration:			2.80			
Client ID :	RE120D3-20250911								
Q3097-10	RE120D3-20250911	WATER	1,4-Dioxane	0.140	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.14			

Hit Summary Sheet
SW-846

SDG No.: Q3097
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			0.14					
Client ID :	RE105D1-20250911							
Q3097-11	RE105D1-20250911	WATER	1,4-Dioxane	3.200	0.07	0.2	0.2	ug/L
Total Svoc :			3.20					
Total Concentration:			3.20					
Client ID :	DUP04-20250911							
Q3097-12	DUP04-20250911	WATER	1,4-Dioxane	3.700	0.07	0.2	0.2	ug/L
Total Svoc :			3.70					
Total Concentration:			3.70					
Client ID :	DUP05-20250911							
Q3097-13	DUP05-20250911	WATER	1,4-Dioxane	5.200	E 0.07	0.2	0.2	ug/L
Total Svoc :			5.20					
Total Concentration:			5.20					
Client ID :	DUP05-20250911DL							
Q3097-13DL	DUP05-20250911DL	WATER	1,4-Dioxane	4.500	D 0.13	0.4	0.4	ug/L
Total Svoc :			4.50					
Total Concentration:			4.50					
Client ID :	RE105D2-20250911							
Q3097-14	RE105D2-20250911	WATER	1,4-Dioxane	3.100	0.07	0.2	0.2	ug/L
Total Svoc :			3.10					
Total Concentration:			3.10					
Client ID :	RE120D1-20250912							
Q3097-19	RE120D1-20250912	WATER	1,4-Dioxane	7.000	E 0.07	0.2	0.2	ug/L
Total Svoc :			7.00					
Total Concentration:			7.00					
Client ID :	RE120D1-20250912DL							
Q3097-19DL	RE120D1-20250912DL	WATER	1,4-Dioxane	5.100	D 0.13	0.4	0.4	ug/L
Total Svoc :			5.10					
Total Concentration:			5.10					
Client ID :	DUP06-20250912							
Q3097-20	DUP06-20250912	WATER	1,4-Dioxane	7.400	E 0.07	0.2	0.2	ug/L
Total Svoc :			7.40					
Total Concentration:			7.40					
Client ID :	DUP06-20250912DL							
Q3097-20DL	DUP06-20250912DL	WATER	1,4-Dioxane	7.700	D 0.13	0.4	0.4	ug/L
Total Svoc :			7.70					

Hit Summary Sheet
SW-846

SDG No.: Q3097
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			7.70					
Client ID :	RE120D2-20250912							
Q3097-21	RE120D2-20250912	WATER	1,4-Dioxane	3.200	0.07	0.2	0.2	ug/L
Total Svoc :			3.20					
Total Concentration:			3.20					
Client ID :	RE134D1-20250912							
Q3097-22	RE134D1-20250912	WATER	1,4-Dioxane	1.100	0.07	0.2	0.2	ug/L
Total Svoc :			1.10					
Total Concentration:			1.10					
Client ID :	RE134D4-20250912							
Q3097-23	RE134D4-20250912	WATER	1,4-Dioxane	1.500	0.07	0.2	0.2	ug/L
Total Svoc :			1.50					
Total Concentration:			1.50					
Client ID :	RE134D2-20250912							
Q3097-24	RE134D2-20250912	WATER	1,4-Dioxane	6.700 E	0.07	0.2	0.2	ug/L
Total Svoc :			6.70					
Total Concentration:			6.70					
Client ID :	RE134D2-20250912DL							
Q3097-24DL	RE134D2-20250912DL	WATER	1,4-Dioxane	6.500 D	0.13	0.4	0.4	ug/L
Total Svoc :			6.50					
Total Concentration:			6.50					
Client ID :	RE134D3-20250912							
Q3097-25	RE134D3-20250912	WATER	1,4-Dioxane	5.700 E	0.07	0.2	0.2	ug/L
Total Svoc :			5.70					
Total Concentration:			5.70					
Client ID :	RE134D3-20250912DL							
Q3097-25DL	RE134D3-20250912DL	WATER	1,4-Dioxane	6.800 D	0.13	0.4	0.4	ug/L
Total Svoc :			6.80					
Total Concentration:			6.80					
Client ID :	EB01-20250912							
Q3097-26	EB01-20250912	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE103D2-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-01		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037771.D	1	09/15/25 12:00	09/18/25 10:00	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.37		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		71%	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		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		94%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8060	7.833				
1146-65-2	Naphthalene-d8	22000	10.637				
15067-26-2	Acenaphthene-d10	10100	14.484				
1517-22-2	Phenanthrene-d10	18200	17.235				
1719-03-5	Chrysene-d12	14800	21.411				
1520-96-3	Perylene-d12	15100	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE125D1-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-04		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
BN037779.D	1	09/15/25 12:00	09/18/25 16:23	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.70		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.25		30 - 150		63%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	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	6930	7.833				
1146-65-2	Naphthalene-d8	18200	10.637				
15067-26-2	Acenaphthene-d10	8170	14.484				
1517-22-2	Phenanthrene-d10	16000	17.235				
1719-03-5	Chrysene-d12	14300	21.411				
1520-96-3	Perylene-d12	14700	23.747				

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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:	RE125D3-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-05		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
BN037780.D	1	09/15/25 12:00	09/18/25 17:00	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	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	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	7250	7.833				
1146-65-2	Naphthalene-d8	19500	10.637				
15067-26-2	Acenaphthene-d10	8750	14.484				
1517-22-2	Phenanthrene-d10	15800	17.235				
1719-03-5	Chrysene-d12	13100	21.411				
1520-96-3	Perylene-d12	12700	23.747				

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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:	RE103D3-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-06		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037781.D	1	09/15/25 12:00	09/18/25 17:36	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.10	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.25		30 - 150		63%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6670	7.833				
1146-65-2	Naphthalene-d8	17700	10.637				
15067-26-2	Acenaphthene-d10	7700	14.484				
1517-22-2	Phenanthrene-d10	13800	17.235				
1719-03-5	Chrysene-d12	11300	21.411				
1520-96-3	Perylene-d12	11500	23.744				

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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:	RE108D2-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-07		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037769.D	1	09/15/25 12:00	09/18/25 08:47	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	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	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	7630	7.833				
1146-65-2	Naphthalene-d8	20700	10.637				
15067-26-2	Acenaphthene-d10	9180	14.484				
1517-22-2	Phenanthrene-d10	15800	17.235				
1719-03-5	Chrysene-d12	12900	21.411				
1520-96-3	Perylene-d12	13800	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE125D2-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-08		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
BN037770.D	1	09/15/25 12:00	09/18/25 09:23	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.40	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	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		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6450	7.833				
1146-65-2	Naphthalene-d8	17900	10.637				
15067-26-2	Acenaphthene-d10	8770	14.484				
1517-22-2	Phenanthrene-d10	17400	17.235				
1719-03-5	Chrysene-d12	16000	21.411				
1520-96-3	Perylene-d12	16200	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE125D2-20250911DL		SDG No.:	Q3097
Lab Sample ID:	Q3097-08DL		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
BN037790.D	5	09/15/25 12:00	09/18/25 23:03	PB169693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.20	D	0.33	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6110		7.833			
1146-65-2	Naphthalene-d8	16500		10.637			
15067-26-2	Acenaphthene-d10	7570		14.484			
1517-22-2	Phenanthrene-d10	14900		17.236			
1719-03-5	Chrysene-d12	12900		21.402			
1520-96-3	Perylene-d12	12900		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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE108D1-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-09		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037778.D	1	09/15/25 12:00	09/18/25 15:47	PB169693

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	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		104%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6090	7.833				
1146-65-2	Naphthalene-d8	16100	10.637				
15067-26-2	Acenaphthene-d10	7260	14.484				
1517-22-2	Phenanthrene-d10	13900	17.235				
1719-03-5	Chrysene-d12	12100	21.411				
1520-96-3	Perylene-d12	11400	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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE120D3-20250911		SDG No.:	Q3097	
Lab Sample ID:	Q3097-10		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
BN037801.D	1	09/16/25 09:39	09/19/25 06:25	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.14	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	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	6810	7.833				
1146-65-2	Naphthalene-d8	16600	10.637				
15067-26-2	Acenaphthene-d10	7360	14.484				
1517-22-2	Phenanthrene-d10	12900	17.235				
1719-03-5	Chrysene-d12	10500	21.411				
1520-96-3	Perylene-d12	10100	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE105D1-20250911	SDG No.:	Q3097
Lab Sample ID:	Q3097-11	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
BN037802.D	1	09/16/25 09:39	09/19/25 07:01	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6840	7.833				
1146-65-2	Naphthalene-d8	16600	10.637				
15067-26-2	Acenaphthene-d10	7230	14.484				
1517-22-2	Phenanthrene-d10	12400	17.235				
1719-03-5	Chrysene-d12	9970	21.411				
1520-96-3	Perylene-d12	9390	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:	DUP04-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-12		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
BN037803.D	1	09/16/25 09:39	09/19/25 07:37	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.70		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	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		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	6420	7.833				
1146-65-2	Naphthalene-d8	17000	10.637				
15067-26-2	Acenaphthene-d10	7440	14.484				
1517-22-2	Phenanthrene-d10	12900	17.235				
1719-03-5	Chrysene-d12	10800	21.411				
1520-96-3	Perylene-d12	9930	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP05-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-13		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
BN037804.D	1	09/16/25 09:39	09/19/25 08:13	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.20	E	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	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		91%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5970	7.833				
1146-65-2	Naphthalene-d8	16000	10.637				
15067-26-2	Acenaphthene-d10	7280	14.484				
1517-22-2	Phenanthrene-d10	14100	17.235				
1719-03-5	Chrysene-d12	13300	21.411				
1520-96-3	Perylene-d12	12200	23.742				

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

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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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP05-20250911DL		SDG No.:	Q3097
Lab Sample ID:	Q3097-13DL		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
BN037817.D	2	09/16/25 09:39	09/19/25 16:45	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.50	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		89%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5660	7.833				
1146-65-2	Naphthalene-d8	14800	10.637				
15067-26-2	Acenaphthene-d10	6210	14.484				
1517-22-2	Phenanthrene-d10	10700	17.236				
1719-03-5	Chrysene-d12	9110	21.411				
1520-96-3	Perylene-d12	8980	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE105D2-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-14		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037805.D	1	09/16/25 09:39	09/19/25 08:49	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.10		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		67%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	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	6730	7.833				
1146-65-2	Naphthalene-d8	16400	10.637				
15067-26-2	Acenaphthene-d10	7360	14.484				
1517-22-2	Phenanthrene-d10	13800	17.235				
1719-03-5	Chrysene-d12	12000	21.411				
1520-96-3	Perylene-d12	11300	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE117D2-20250911		SDG No.:	Q3097
Lab Sample ID:	Q3097-15		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037806.D	1	09/16/25 09:39	09/19/25 09:25	PB169712

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	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		58 - 132		86%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5760	7.832				
1146-65-2	Naphthalene-d8	15400	10.637				
15067-26-2	Acenaphthene-d10	7100	14.483				
1517-22-2	Phenanthrene-d10	13300	17.235				
1719-03-5	Chrysene-d12	12000	21.411				
1520-96-3	Perylene-d12	11200	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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE120D1-20250912		SDG No.:	Q3097
Lab Sample ID:	Q3097-19		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
BN037807.D	1	09/16/25 09:39	09/19/25 10:02	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.00	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		94%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5780	7.833				
1146-65-2	Naphthalene-d8	15300	10.637				
15067-26-2	Acenaphthene-d10	6860	14.484				
1517-22-2	Phenanthrene-d10	12900	17.235				
1719-03-5	Chrysene-d12	11100	21.411				
1520-96-3	Perylene-d12	10400	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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE120D1-20250912DL		SDG No.:	Q3097
Lab Sample ID:	Q3097-19DL		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
BN037818.D	2	09/16/25 09:39	09/19/25 17:21	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.10	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.18		30 - 150		46%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.22		30 - 150		56%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		58%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.22		53 - 106		54%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.27		58 - 132		67%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8130	7.833				
1146-65-2	Naphthalene-d8	21300	10.637				
15067-26-2	Acenaphthene-d10	9040	14.484				
1517-22-2	Phenanthrene-d10	15100	17.235				
1719-03-5	Chrysene-d12	11400	21.411				
1520-96-3	Perylene-d12	11400	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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP06-20250912		SDG No.:	Q3097
Lab Sample ID:	Q3097-20		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
BN037844.D	1	09/16/25 09:39	09/20/25 09:51	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.40	E	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	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	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	5680		7.825			
1146-65-2	Naphthalene-d8	14800		10.626			
15067-26-2	Acenaphthene-d10	5980		14.484			
1517-22-2	Phenanthrene-d10	10300		17.223			
1719-03-5	Chrysene-d12	8650		21.402			
1520-96-3	Perylene-d12	8410		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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	DUP06-20250912DL		SDG No.:	Q3097
Lab Sample ID:	Q3097-20DL		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
BN037858.D	2	09/16/25 09:39	09/22/25 15:45	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.70	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		104%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5110		7.825			
1146-65-2	Naphthalene-d8	13200		10.626			
15067-26-2	Acenaphthene-d10	5440		14.473			
1517-22-2	Phenanthrene-d10	9910		17.223			
1719-03-5	Chrysene-d12	8650		21.402			
1520-96-3	Perylene-d12	8020		23.735			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE120D2-20250912		SDG No.:	Q3097
Lab Sample ID:	Q3097-21		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
BN037819.D	1	09/16/25 09:39	09/19/25 17:58	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	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	4690	7.833				
1146-65-2	Naphthalene-d8	12200	10.637				
15067-26-2	Acenaphthene-d10	5200	14.484				
1517-22-2	Phenanthrene-d10	9590	17.235				
1719-03-5	Chrysene-d12	7870	21.411				
1520-96-3	Perylene-d12	7670	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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE134D1-20250912		SDG No.:	Q3097
Lab Sample ID:	Q3097-22		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037820.D	1	09/16/25 09:39	09/19/25 18:34	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.10		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	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	4620	7.833				
1146-65-2	Naphthalene-d8	12200	10.637				
15067-26-2	Acenaphthene-d10	5320	14.484				
1517-22-2	Phenanthrene-d10	10200	17.235				
1719-03-5	Chrysene-d12	9410	21.411				
1520-96-3	Perylene-d12	8970	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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE134D4-20250912	SDG No.:	Q3097
Lab Sample ID:	Q3097-23	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
BN037821.D	1	09/16/25 09:39	09/19/25 19:11	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		67%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		91%	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		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4710	7.833				
1146-65-2	Naphthalene-d8	14500	10.637				
15067-26-2	Acenaphthene-d10	6240	14.484				
1517-22-2	Phenanthrene-d10	11900	17.236				
1719-03-5	Chrysene-d12	10000	21.411				
1520-96-3	Perylene-d12	9360	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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE134D2-20250912	SDG No.:	Q3097
Lab Sample ID:	Q3097-24	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
BN037822.D	1	09/16/25 09:39	09/19/25 19:47	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.70	E	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	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	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	4340	7.833				
1146-65-2	Naphthalene-d8	12500	10.637				
15067-26-2	Acenaphthene-d10	4960	14.484				
1517-22-2	Phenanthrene-d10	9440	17.235				
1719-03-5	Chrysene-d12	8490	21.411				
1520-96-3	Perylene-d12	8220	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:	09/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE134D2-20250912DL		SDG No.:	Q3097	
Lab Sample ID:	Q3097-24DL		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
BN037851.D	2	09/16/25 09:39	09/22/25 11:31	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.50	D	0.13	0.40	0.40	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		89%	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		86%	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	5950		7.826			
1146-65-2	Naphthalene-d8	15400		10.626			
15067-26-2	Acenaphthene-d10	6320		14.484			
1517-22-2	Phenanthrene-d10	11500		17.223			
1719-03-5	Chrysene-d12	10100		21.402			
1520-96-3	Perylene-d12	9650		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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE134D3-20250912		SDG No.:	Q3097
Lab Sample ID:	Q3097-25		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
BN037823.D	1	09/16/25 09:39	09/19/25 20:24	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.70	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5220	7.832				
1146-65-2	Naphthalene-d8	13500	10.637				
15067-26-2	Acenaphthene-d10	5080	14.484				
1517-22-2	Phenanthrene-d10	9520	17.223				
1719-03-5	Chrysene-d12	8590	21.402				
1520-96-3	Perylene-d12	8160	23.735				

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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	RE134D3-20250912DL		SDG No.:	Q3097
Lab Sample ID:	Q3097-25DL		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
BN037852.D	2	09/16/25 09:39	09/22/25 12:08	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.80	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6180		7.825			
1146-65-2	Naphthalene-d8	16300		10.626			
15067-26-2	Acenaphthene-d10	6730		14.484			
1517-22-2	Phenanthrene-d10	12100		17.223			
1719-03-5	Chrysene-d12	10400		21.402			
1520-96-3	Perylene-d12	9990		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:	09/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25
Client Sample ID:	EB01-20250912		SDG No.:	Q3097
Lab Sample ID:	Q3097-26		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
BN037824.D	1	09/16/25 09:39	09/19/25 21:00	PB169712

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	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	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	4520	7.833				
1146-65-2	Naphthalene-d8	12000	10.637				
15067-26-2	Acenaphthene-d10	5000	14.484				
1517-22-2	Phenanthrene-d10	8480	17.223				
1719-03-5	Chrysene-d12	7500	21.402				
1520-96-3	Perylene-d12	7190	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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3097

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
Q3097-01	RE103D2-20250911	2-Methylnaphthalene-d10	0.4	0.28	71		30	150
		Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.38	94		58	132
Q3097-02MS	RE103D2-20250911MS	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		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
Q3097-03MSD	RE103D2-20250911MSD	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
Q3097-04	RE125D1-20250911	2-Methylnaphthalene-d10	0.4	0.25	63		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q3097-05	RE125D3-20250911	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3097-06	RE103D3-20250911	2-Methylnaphthalene-d10	0.4	0.25	63		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.31	79		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.40	101		58	132
Q3097-07	RE108D2-20250911	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3097-08	RE125D2-20250911	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.40	100		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	108		58	132
Q3097-08DL	RE125D2-20250911DL	2-Methylnaphthalene-d10	0.4	0.29	72		30	150



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Surrogate Summary
SW-846

SDG No.: Q3097
Client: AECOM Technical Services, Inc.
Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3097-08DL	RE125D2-20250911DL	Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.38	94		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.47	116		58	132
Q3097-09	RE108D1-20250911	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.42	104		58	132

Surrogate Summary

SW-846

SDG No.: Q3097

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169712BL	PB169712BL	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.41	101		58	132
PB169712BS	PB169712BS	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.34	86		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
PB169712BSD	PB169712BSD	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.32	81		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.40	99		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3097-10	RE120D3-20250911	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3097-11	RE105D1-20250911	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.41	102		58	132
Q3097-12	DUP04-20250911	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
Q3097-13	DUP05-20250911	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
		Terphenyl-d14	0.4	0.36	91		58	132
Q3097-13DL	DUP05-20250911DL	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.36	89		58	132
Q3097-14	RE105D2-20250911	2-Methylnaphthalene-d10	0.4	0.27	67		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q3097-15	RE117D2-20250911	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.35	86		58	132
Q3097-19	RE120D1-20250912	2-Methylnaphthalene-d10	0.4	0.26	65		30	150

Surrogate Summary

SW-846

SDG No.: Q3097

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3097-19	RE120D1-20250912	Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.37	94		58	132
Q3097-19DL	RE120D1-20250912DL	2-Methylnaphthalene-d10	0.4	0.18	46		30	150
		Fluoranthene-d10	0.4	0.22	56		30	150
		Nitrobenzene-d5	0.4	0.23	58		55	111
		2-Fluorobiphenyl	0.4	0.22	54		53	106
Q3097-20	DUP06-20250912	Terphenyl-d14	0.4	0.27	67		58	132
		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
Q3097-20DL	DUP06-20250912DL	2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
Q3097-21	RE120D2-20250912	Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.42	104		58	132
		2-Methylnaphthalene-d10	0.4	0.29	73		30	150
Q3097-22	RE134D1-20250912	Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
Q3097-23	RE134D4-20250912	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
Q3097-24	RE134D2-20250912	Terphenyl-d14	0.4	0.41	103		58	132
		2-Methylnaphthalene-d10	0.4	0.27	67		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
Q3097-24DL	RE134D2-20250912DL	2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.40	101		58	132
		2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
Q3097-25	RE134D3-20250912	Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
Q3097-25DL	RE134D3-20250912DL	Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.37	93		58	132
Q3097-25DL	RE134D3-20250912DL	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
Q3097-25DL	RE134D3-20250912DL	Terphenyl-d14	0.4	0.41	102		58	132
		2-Methylnaphthalene-d10	0.4	0.28	69		30	150
Q3097-25DL	RE134D3-20250912DL	Fluoranthene-d10	0.4	0.36	91		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150

Surrogate Summary

SW-846

SDG No.: Q3097

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3097-25DL	RE134D3-20250912DL	Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.41	102		58	132
Q3097-26	EB01-20250912	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.39	98		58	132



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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:

Q3097

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	



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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:

Q3097

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.: Q3097

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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3097

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037885.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169712BS	1,4-Dioxane	0.4	0.32	ug/L	80				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3097

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037888.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169712BSD	1,4-Dioxane	0.4	0.33	ug/L	83	6			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169693BL

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3097

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
RE108D1-20250911	Q3097-09	BN037778.D	09/18/2025
RE125D1-20250911	Q3097-04	BN037779.D	09/18/2025
RE125D3-20250911	Q3097-05	BN037780.D	09/18/2025
RE103D3-20250911	Q3097-06	BN037781.D	09/18/2025
PB169693BS	PB169693BS	BN037792.D	09/19/2025
RE103D2-20250911	Q3097-01	BN037771.D	09/18/2025
RE103D2-20250911MS	Q3097-02MS	BN037772.D	09/18/2025
RE108D2-20250911	Q3097-07	BN037769.D	09/18/2025
RE125D2-20250911	Q3097-08	BN037770.D	09/18/2025
RE103D2-20250911MSD	Q3097-03MSD	BN037773.D	09/18/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169712BL

Lab Name: <u>Alliance</u>	Contract: <u>AECO15</u>
Lab Code: <u>ACE</u>	SDG NO.: <u>Q3097</u>
Lab File ID: <u>BN037872.D</u>	Lab Sample ID: <u>PB169712BL</u>
Instrument ID: <u>BNA_N</u>	Date Extracted: <u>09/16/2025</u>
Matrix: (soil/water) <u>Water</u>	Date Analyzed: <u>09/24/2025</u>
Level: (low/med) <u>LOW</u>	Time Analyzed: <u>10:32</u>

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169712BS	PB169712BS	BN037885.D	09/25/2025
PB169712BSD	PB169712BSD	BN037888.D	09/25/2025
RE120D3-20250911	Q3097-10	BN037801.D	09/19/2025
RE105D1-20250911	Q3097-11	BN037802.D	09/19/2025
DUP04-20250911	Q3097-12	BN037803.D	09/19/2025
DUP05-20250911	Q3097-13	BN037804.D	09/19/2025
RE105D2-20250911	Q3097-14	BN037805.D	09/19/2025
RE117D2-20250911	Q3097-15	BN037806.D	09/19/2025
RE120D1-20250912	Q3097-19	BN037807.D	09/19/2025
RE120D2-20250912	Q3097-21	BN037819.D	09/19/2025
RE134D1-20250912	Q3097-22	BN037820.D	09/19/2025
RE134D4-20250912	Q3097-23	BN037821.D	09/19/2025
RE134D2-20250912	Q3097-24	BN037822.D	09/19/2025
RE134D3-20250912	Q3097-25	BN037823.D	09/19/2025
EB01-20250912	Q3097-26	BN037824.D	09/19/2025
DUP06-20250912	Q3097-20	BN037844.D	09/20/2025

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.: Q3097
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: BN037758.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3097
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
RE108D2-20250911	Q3097-07	BN037769.D	09/18/2025	08:47
RE125D2-20250911	Q3097-08	BN037770.D	09/18/2025	09:23
RE103D2-20250911	Q3097-01	BN037771.D	09/18/2025	10:00
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.: Q3097
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
RE108D1-20250911	Q3097-09	BN037778.D	09/18/2025	15:47
RE125D1-20250911	Q3097-04	BN037779.D	09/18/2025	16:23
RE125D3-20250911	Q3097-05	BN037780.D	09/18/2025	17:00
RE103D3-20250911	Q3097-06	BN037781.D	09/18/2025	17:36
RE125D2-20250911DL	Q3097-08DL	BN037790.D	09/18/2025	23:03
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.: Q3097
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
RE120D3-20250911	Q3097-10	BN037801.D	09/19/2025	06:25
RE105D1-20250911	Q3097-11	BN037802.D	09/19/2025	07:01
DUP04-20250911	Q3097-12	BN037803.D	09/19/2025	07:37
DUP05-20250911	Q3097-13	BN037804.D	09/19/2025	08:13
RE105D2-20250911	Q3097-14	BN037805.D	09/19/2025	08:49
RE117D2-20250911	Q3097-15	BN037806.D	09/19/2025	09:25
RE120D1-20250912	Q3097-19	BN037807.D	09/19/2025	10:02
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.: Q3097
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
DUP05-20250911DL	Q3097-13DL	BN037817.D	09/19/2025	16:45
RE120D1-20250912DL	Q3097-19DL	BN037818.D	09/19/2025	17:21
RE120D2-20250912	Q3097-21	BN037819.D	09/19/2025	17:58
RE134D1-20250912	Q3097-22	BN037820.D	09/19/2025	18:34
RE134D4-20250912	Q3097-23	BN037821.D	09/19/2025	19:11
RE134D2-20250912	Q3097-24	BN037822.D	09/19/2025	19:47
RE134D3-20250912	Q3097-25	BN037823.D	09/19/2025	20:24
EB01-20250912	Q3097-26	BN037824.D	09/19/2025	21:00
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.: Q3097
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
DUP06-20250912	Q3097-20	BN037844.D	09/20/2025	09:51
SSTDCCC0.4EC	SSTDCCC0.4	BN037847.D	09/20/2025	11:39

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037848.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3097
DFTPP Injection Date: 09/22/2025
DFTPP Injection Time: 08:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	78.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037849.D	09/22/2025	10:19
RE134D2-20250912DL	Q3097-24DL	BN037851.D	09/22/2025	11:31
RE134D3-20250912DL	Q3097-25DL	BN037852.D	09/22/2025	12:08
DUP06-20250912DL	Q3097-20DL	BN037858.D	09/22/2025	15:45
SSTDCCC0.4EC	SSTDCCC0.4	BN037859.D	09/22/2025	16:39

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AECO15
SDG NO.: Q3097
DFTPP Injection Date: 09/23/2025
DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	72.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037861.D	09/23/2025	12:13
SSTDICC0.2	SSTDICC0.2	BN037862.D	09/23/2025	12:49
SSTDICCC0.4	SSTDICCC0.4	BN037863.D	09/23/2025	13:25
SSTDICC0.8	SSTDICC0.8	BN037864.D	09/23/2025	14:02
SSTDICC1.6	SSTDICC1.6	BN037865.D	09/23/2025	14:38
SSTDICC3.2	SSTDICC3.2	BN037866.D	09/23/2025	15:15
SSTDICC5.0	SSTDICC5.0	BN037867.D	09/23/2025	15:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037870.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3097
DFTPP Injection Date: 09/24/2025
DFTPP Injection Time: 09:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.5) 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	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (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	BN037871.D	09/24/2025	09:54
PB169712BL	PB169712BL	BN037872.D	09/24/2025	10:32
SSTDCCC0.4EC	SSTDCCC0.4	BN037881.D	09/24/2025	18:52

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037882.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3097
DFTPP Injection Date: 09/25/2025
DFTPP Injection Time: 10:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.8 (1.8) 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	7.1
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	81.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037883.D	09/25/2025	11:31
PB169712BS	PB169712BS	BN037885.D	09/25/2025	12:44
PB169712BSD	PB169712BSD	BN037888.D	09/25/2025	14:34
SSTDCCC0.4EC	SSTDCCC0.4	BN037901.D	09/25/2025	22:31

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3097

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 RE125D2-20250911	6450	7.83	17916	10.64	8773	14.48
02 RE103D2-20250911	8062	7.83	22030	10.64	10128	14.48
03 RE103D2-20250911MS	7218	7.83	19437	10.64	8792	14.48
04 RE103D2-20250911MSD	7159	7.83	19099	10.64	8494	14.48
05 RE108D2-20250911	7633	7.83	20699	10.64	9180	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.: Q3097

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 RE125D2-20250911	17405	17.24	15996	21.41	16222	23.74
02 RE103D2-20250911	18234	17.24	14812	21.41	15070	23.75
03 RE103D2-20250911MS	14560	17.24	11077	21.41	10712	23.74
04 RE103D2-20250911MSD	14218	17.24	11982	21.41	11726	23.75
05 RE108D2-20250911	15761	17.24	12936	21.41	13802	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.: Q3097

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 PB169693BL	6667	7.84	17045	10.64	7049	14.48
02 RE108D1-20250911	6091	7.83	16121	10.64	7264	14.48
03 RE125D1-20250911	6931	7.83	18212	10.64	8174	14.48
04 RE125D3-20250911	7245	7.83	19496	10.64	8745	14.48
05 PB169693BS	7441	7.83	19392	10.64	8149	14.48
06 RE103D3-20250911	6672	7.83	17743	10.64	7701	14.48
07 RE125D2-20250911DL	6110	7.83	16499	10.64	7574	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.: Q3097

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 PB169693BL	11652	17.24	9221	21.41	9002	23.75
02 RE108D1-20250911	13940	17.24	12095	21.41	11352	23.75
03 RE125D1-20250911	15954	17.24	14259	21.41	14695	23.75
04 RE125D3-20250911	15845	17.24	13110	21.41	12712	23.75
05 PB169693BS	12386	17.24	10095	21.41	10200	23.74
06 RE103D3-20250911	13778	17.24	11339	21.41	11507	23.74
07 RE125D2-20250911DL	14919	17.24	12875	21.40	12853	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.: Q3097

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 RE120D3-20250911	6805	7.83	16558	10.64	7363	14.48
02 RE105D1-20250911	6841	7.83	16631	10.64	7228	14.48
03 DUP04-20250911	6422	7.83	16969	10.64	7436	14.48
04 DUP05-20250911	5966	7.83	15958	10.64	7282	14.48
05 RE105D2-20250911	6733	7.83	16370	10.64	7362	14.48
06 RE117D2-20250911	5758	7.83	15439	10.64	7097	14.48
07 RE120D1-20250912	5776	7.83	15322	10.64	6856	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.: Q3097

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 RE120D3-20250911	12865	17.24	10547	21.41	10142	23.74
02 RE105D1-20250911	12396	17.24	9967	21.41	9393	23.74
03 DUP04-20250911	12905	17.24	10811	21.41	9925	23.74
04 DUP05-20250911	14121	17.24	13292	21.41	12196	23.74
05 RE105D2-20250911	13809	17.24	11974	21.41	11341	23.74
06 RE117D2-20250911	13316	17.24	11984	21.41	11150	23.74
07 RE120D1-20250912	12918	17.24	11066	21.41	10367	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.: Q3097

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 EB01-20250912	4515	7.83	12030	10.64	5004	14.48
02 RE120D2-20250912	4690	7.83	12247	10.64	5203	14.48
03 RE134D1-20250912	4623	7.83	12153	10.64	5319	14.48
04 RE134D4-20250912	4710	7.83	14487	10.64	6237	14.48
05 RE134D2-20250912	4342	7.83	12538	10.64	4964	14.48
06 RE134D3-20250912	5215	7.83	13534	10.64	5080	14.48
07 DUP05-20250911DL	5661	7.83	14750	10.64	6209	14.48
08 RE120D1-20250912DL	8131	7.83	21334	10.64	9041	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.: Q3097

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 EB01-20250912	8479	17.22	7497	21.40	7192	23.74
02 RE120D2-20250912	9585	17.24	7866	21.41	7673	23.74
03 RE134D1-20250912	10150	17.24	9405	21.41	8969	23.74
04 RE134D4-20250912	11940	17.24	10042	21.41	9356	23.74
05 RE134D2-20250912	9435	17.24	8486	21.41	8219	23.74
06 RE134D3-20250912	9523	17.22	8588	21.40	8162	23.74
07 DUP05-20250911DL	10700	17.24	9109	21.41	8982	23.74
08 RE120D1-20250912DL	15081	17.24	11372	21.41	11377	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.: Q3097

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 DUP06-20250912	5678	7.83	14769	10.63	5979	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.: Q3097

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 DUP06-20250912	10331	17.22	8651	21.40	8407	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.: Q3097

Client ID : SSTDCCC0.4

Date Analyzed: 09/22/2025

Lab File ID: BN037849.D

Time Analyzed: 10:19

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	6007	7.833	15935	10.64	7024	14.48
UPPER LIMIT	12014	8.333	31870	11.137	14048	14.984
LOWER LIMIT	3003.5	7.333	7967.5	10.137	3512	13.984
EPA SAMPLE NO.						
01 DUP06-20250912DL	5114	7.83	13234	10.63	5436	14.47
02 RE134D2-20250912DL	5950	7.83	15397	10.63	6317	14.48
03 RE134D3-20250912DL	6180	7.83	16337	10.63	6729	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.: Q3097

Client ID: SSTDCCC0.4

Date Analyzed: 09/22/2025

Lab File ID: BN037849.D

Time Analyzed: 10:19

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	11177	17.223	8688	21.411	8600	23.738
UPPER LIMIT	22354	17.723	17376	21.911	17200	24.238
LOWER LIMIT	5588.5	16.723	4344	20.911	4300	23.238
EPA SAMPLE NO.						
01 DUP06-20250912DL	9913	17.22	8645	21.40	8016	23.74
02 RE134D2-20250912DL	11463	17.22	10054	21.40	9647	23.74
03 RE134D3-20250912DL	12081	17.22	10388	21.40	9986	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.: Q3097

Client ID : SSTDCCC0.4

Date Analyzed: 09/24/2025

Lab File ID: BN037871.D

Time Analyzed: 09:54

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	6027	7.818	16875	10.63	8790	14.47
UPPER LIMIT	12054	8.318	33750	11.126	17580	14.973
LOWER LIMIT	3013.5	7.318	8437.5	10.126	4395	13.973
EPA SAMPLE NO.						
01 PB169712BL	6892	7.83	18348	10.63	8435	14.47

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.: Q3097

Client ID: SSTDCCC0.4

Date Analyzed: 09/24/2025

Lab File ID: BN037871.D

Time Analyzed: 09:54

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	17707	17.223	15660	21.402	14846	23.735
UPPER LIMIT	35414	17.723	31320	21.902	29692	24.235
LOWER LIMIT	8853.5	16.723	7830	20.902	7423	23.235
EPA SAMPLE NO.						
01 PB169712BL	16554	17.22	13474	21.40	12150	23.73

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.: Q3097

Client ID : SSTDCCC0.4

Date Analyzed: 09/25/2025

Lab File ID: BN037883.D

Time Analyzed: 11:31

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	5686	7.818	16943	10.63	8938	14.47
UPPER LIMIT	11372	8.318	33886	11.126	17876	14.973
LOWER LIMIT	2843	7.318	8471.5	10.126	4469	13.973
EPA SAMPLE NO.						
01 PB169712BS	7082	7.82	19552	10.63	9660	14.47
02 PB169712BSD	6836	7.83	18512	10.63	8848	14.47

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.: Q3097

Client ID: SSTDCCC0.4

Date Analyzed: 09/25/2025

Lab File ID: BN037883.D

Time Analyzed: 11:31

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	18224	17.223	15951	21.402	15181	23.73
UPPER LIMIT	36448	17.723	31902	21.902	30362	24.23
LOWER LIMIT	9112	16.723	7975.5	20.902	7590.5	23.23
EPA SAMPLE NO.						
01 PB169712BS	19122	17.22	15460	21.40	13073	23.73
02 PB169712BSD	16966	17.22	11857	21.40	9036	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:	PB169693BL		SDG No.:	Q3097
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:	PB169712BL		SDG No.:	Q3097
Lab Sample ID:	PB169712BL		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
BN037872.D	1	09/16/25 09:39	09/24/25 10:32	PB169712

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		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	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	6890	7.826				
1146-65-2	Naphthalene-d8	18300	10.626				
15067-26-2	Acenaphthene-d10	8440	14.473				
1517-22-2	Phenanthrene-d10	16600	17.223				
1719-03-5	Chrysene-d12	13500	21.402				
1520-96-3	Perylene-d12	12200	23.733				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB169693BS		SDG No.:	Q3097
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

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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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB169712BS		SDG No.:	Q3097
Lab Sample ID:	PB169712BS		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
BN037885.D	1	09/16/25 09:39	09/25/25 12:44	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.32		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	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	7080	7.818				
1146-65-2	Naphthalene-d8	19600	10.626				
15067-26-2	Acenaphthene-d10	9660	14.473				
1517-22-2	Phenanthrene-d10	19100	17.223				
1719-03-5	Chrysene-d12	15500	21.402				
1520-96-3	Perylene-d12	13100	23.733				

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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB169712BSD		SDG No.:	Q3097
Lab Sample ID:	PB169712BSD		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
BN037888.D	1	09/16/25 09:39	09/25/25 14:34	PB169712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.33		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		99%	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	6840	7.826				
1146-65-2	Naphthalene-d8	18500	10.626				
15067-26-2	Acenaphthene-d10	8850	14.473				
1517-22-2	Phenanthrene-d10	17000	17.223				
1719-03-5	Chrysene-d12	11900	21.402				
1520-96-3	Perylene-d12	9040	23.736				

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE103D2-20250911MS		SDG No.:	Q3097	
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				

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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* = 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.:	Q3097
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				

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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



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

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

Calibration Files

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

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

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

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

Method File : 8270-SIM-BN092325.M

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

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3097
Instrument ID: BNA_N Calibration Date/Time: 09/18/2025 02:46
Lab File ID: BN037759.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	0.511		-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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/18/2025 13:16</u>
Lab File ID:	<u>BN037774.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	0.506		-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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/18/2025 14:32</u>
Lab File ID:	<u>BN037776.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	0.497		-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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/19/2025 00:52</u>
Lab File ID:	<u>BN037793.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	0.496		-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: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3097
Instrument ID: BNA_N Calibration Date/Time: 09/19/2025 02:47
Lab File ID: BN037795.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	0.490		-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>Q3097</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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/19/2025 14:19</u>
Lab File ID:	<u>BN037813.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	0.473		-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.: Q3097
 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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/20/2025 02:35</u>
Lab File ID:	<u>BN037832.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	0.469		-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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/20/2025 11:39</u>
Lab File ID:	<u>BN037847.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	0.470		-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.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/22/2025 10:19</u>
Lab File ID:	<u>BN037849.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	0.554		4.5	20.0
Fluoranthene-d10	1.004	0.954		-5.0	20.0
2-Fluorophenol	0.918	0.898		-2.2	20.0
Phenol-d6	1.191	1.119		-6.0	20.0
Nitrobenzene-d5	0.293	0.294		0.3	20.0
2-Fluorobiphenyl	1.673	1.673		0.0	20.0
2,4,6-Tribromophenol	0.104	0.116		11.5	20.0
Terphenyl-d14	0.812	0.726		-10.6	20.0
1,4-Dioxane	0.417	0.420		0.7	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.: Q3097
 Instrument ID: BNA_N Calibration Date/Time: 09/22/2025 16:39
 Lab File ID: BN037859.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	0.557		5.1	50.0
Fluoranthene-d10	1.004	0.898		-10.6	50.0
2-Fluorophenol	0.918	0.869		-5.3	50.0
Phenol-d6	1.191	1.146		-3.8	50.0
Nitrobenzene-d5	0.293	0.293		0.0	50.0
2-Fluorobiphenyl	1.673	1.607		-3.9	50.0
2,4,6-Tribromophenol	0.104	0.108		3.8	50.0
Terphenyl-d14	0.812	0.784		-3.4	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.: Q3097
 Instrument ID: BNA_N Calibration Date/Time: 09/24/2025 09:54
 Lab File ID: BN037871.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.502		-9.7	20.0
Fluoranthene-d10	1.006	0.885		-12.0	20.0
2-Fluorophenol	0.913	0.826		-9.5	20.0
Phenol-d6	1.199	1.076		-10.3	20.0
Nitrobenzene-d5	0.305	0.287		-5.9	20.0
2-Fluorobiphenyl	1.638	1.579		-3.6	20.0
2,4,6-Tribromophenol	0.152	0.122		-19.7	20.0
Terphenyl-d14	0.797	0.725		-9.0	20.0
1,4-Dioxane	0.406	0.419		3.2	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.: Q3097
 Instrument ID: BNA_N Calibration Date/Time: 09/24/2025 18:52
 Lab File ID: BN037881.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:13 15:51
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.497		-10.6	50.0
Fluoranthene-d10	1.006	0.905		-10.0	50.0
2-Fluorophenol	0.913	0.873		-4.4	50.0
Phenol-d6	1.199	1.142		-4.8	50.0
Nitrobenzene-d5	0.305	0.291		-4.6	50.0
2-Fluorobiphenyl	1.638	1.569		-4.2	50.0
2,4,6-Tribromophenol	0.152	0.123		-19.1	50.0
Terphenyl-d14	0.797	0.758		-4.9	50.0
1,4-Dioxane	0.406	0.418		3.0	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.: Q3097
 Instrument ID: BNA_N Calibration Date/Time: 09/25/2025 11:31
 Lab File ID: BN037883.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.515		-7.4	20.0
Fluoranthene-d10	1.006	0.915		-9.0	20.0
2-Fluorophenol	0.913	0.967		5.9	20.0
Phenol-d6	1.199	1.243		3.7	20.0
Nitrobenzene-d5	0.305	0.321		5.2	20.0
2-Fluorobiphenyl	1.638	1.650		0.7	20.0
2,4,6-Tribromophenol	0.152	0.143		-5.9	20.0
Terphenyl-d14	0.797	0.754		-5.4	20.0
1,4-Dioxane	0.406	0.421		3.7	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>Q3097</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/25/2025 22:31</u>
Lab File ID:	<u>BN037901.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>12:13 15:51</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.514		-7.6	50.0
Fluoranthene-d10	1.006	0.920		-8.5	50.0
2-Fluorophenol	0.913	0.982		7.6	50.0
Phenol-d6	1.199	1.281		6.8	50.0
Nitrobenzene-d5	0.305	0.313		2.6	50.0
2-Fluorobiphenyl	1.638	1.527		-6.8	50.0
2,4,6-Tribromophenol	0.152	0.142		-6.6	50.0
Terphenyl-d14	0.797	0.761		-4.5	50.0
1,4-Dioxane	0.406	0.415		2.2	50.0

All other compounds must meet a minimum RRF of 0.010.