

LAB CHRONICLE

OrderID:	Q3156	OrderDate:	9/19/2025 1:29:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	A13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3156-02	RE10-MW01S-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-03	RE131D3-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-04	TT190D1-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-05	RE132D2-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-05DL	RE132D2-20250918DL	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/29/25	
Q3156-06	RE132D4-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-06DL	RE132D4-20250918DL	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/30/25	
Q3156-07	TT189D2-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/25/25	
Q3156-07DL	TT189D2-20250918DL	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/29/25	
Q3156-08	TT149I1-20250918	Water			09/18/25			09/19/25
			SVOC-SIMGroup1	8270-Modified		09/23/25	09/26/25	
Q3156-09	RE132D3-20250918	Water			09/18/25			09/19/25

LAB CHRONICLE

			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-10	TT180D1-20250918	Water			09/18/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-11	RE132D1-20250918	Water			09/18/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-12	TT190D2-20250918	Water			09/18/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-13	EB02-20250918	Water			09/18/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-14	EB03-20250918	Water			09/18/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-16	RW9-MW01D1-20250919	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-17	TT191D2-20250918	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-18	RW9-MW01S-20250918	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-19	TT191D1-20250918	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-20	DUP09-20250918	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-21	RW9-MW01D3-20250918	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	
Q3156-23	RW9-MW01D2-20250919	Water			09/19/25		09/19/25
			SVOC-SIMGroup1	8270-Modified	09/23/25	09/26/25	

Hit Summary Sheet SW-846

SDG No.: Q3156

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RE131D3-20250918									
Q3156-03	RE131D3-20250918	WATER	1,4-Dioxane	1.800		0.07	0.2	0.2	ug/L
			Total Svoc :			1.80			
			Total Concentration:			1.80			
Client ID : TT190D1-20250918									
Q3156-04	TT190D1-20250918	WATER	1,4-Dioxane	1.500		0.07	0.2	0.2	ug/L
			Total Svoc :			1.50			
			Total Concentration:			1.50			
Client ID : RE132D2-20250918									
Q3156-05	RE132D2-20250918	WATER	1,4-Dioxane	6.100	E	0.07	0.2	0.2	ug/L
			Total Svoc :			6.10			
			Total Concentration:			6.10			
Client ID : RE132D2-20250918DL									
Q3156-05DL	RE132D2-20250918DL	WATER	1,4-Dioxane	5.500	D	0.13	0.4	0.4	ug/L
			Total Svoc :			5.50			
			Total Concentration:			5.50			
Client ID : RE132D4-20250918									
Q3156-06	RE132D4-20250918	WATER	1,4-Dioxane	5.100	E	0.07	0.2	0.2	ug/L
			Total Svoc :			5.10			
			Total Concentration:			5.10			
Client ID : RE132D4-20250918DL									
Q3156-06DL	RE132D4-20250918DL	WATER	1,4-Dioxane	4.800	D	0.13	0.4	0.4	ug/L
			Total Svoc :			4.80			
			Total Concentration:			4.80			
Client ID : TT189D2-20250918									
Q3156-07	TT189D2-20250918	WATER	1,4-Dioxane	6.200	E	0.07	0.2	0.2	ug/L
			Total Svoc :			6.20			
			Total Concentration:			6.20			
Client ID : TT189D2-20250918DL									
Q3156-07DL	TT189D2-20250918DL	WATER	1,4-Dioxane	6.000	D	0.13	0.4	0.4	ug/L
			Total Svoc :			6.00			
			Total Concentration:			6.00			
Client ID : TT149I1-20250918									
Q3156-08	TT149I1-20250918	WATER	1,4-Dioxane	0.520		0.07	0.2	0.2	ug/L
			Total Svoc :			0.52			

Hit Summary Sheet
SW-846

SDG No.: Q3156
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			0.52					
Client ID :	RE132D3-20250918							
Q3156-09	RE132D3-20250918	WATER	1,4-Dioxane	4.500	0.07	0.2	0.2	ug/L
Total Svoc :			4.50					
Total Concentration:			4.50					
Client ID :	TT180D1-20250918							
Q3156-10	TT180D1-20250918	WATER	1,4-Dioxane	3.600	0.07	0.2	0.2	ug/L
Total Svoc :			3.60					
Total Concentration:			3.60					
Client ID :	RE132D1-20250918							
Q3156-11	RE132D1-20250918	WATER	1,4-Dioxane	1.400	0.07	0.2	0.2	ug/L
Total Svoc :			1.40					
Total Concentration:			1.40					
Client ID :	TT190D2-20250918							
Q3156-12	TT190D2-20250918	WATER	1,4-Dioxane	1.900	0.07	0.2	0.2	ug/L
Total Svoc :			1.90					
Total Concentration:			1.90					
Client ID :	EB02-20250918							
Q3156-13	EB02-20250918	WATER	1,4-Dioxane	0.090 J	0.07	0.2	0.2	ug/L
Total Svoc :			0.09					
Total Concentration:			0.09					
Client ID :	EB03-20250918							
Q3156-14	EB03-20250918	WATER	1,4-Dioxane	0.110 J	0.07	0.2	0.2	ug/L
Total Svoc :			0.11					
Total Concentration:			0.11					
Client ID :	RW9-MW01D1-20250919							
Q3156-16	RW9-MW01D1-2025091	WATER	1,4-Dioxane	0.360	0.07	0.2	0.2	ug/L
Total Svoc :			0.36					
Total Concentration:			0.36					
Client ID :	TT191D2-20250918							
Q3156-17	TT191D2-20250918	WATER	1,4-Dioxane	0.360	0.07	0.2	0.2	ug/L
Total Svoc :			0.36					
Total Concentration:			0.36					
Client ID :	RW9-MW01S-20250918							
Q3156-18	RW9-MW01S-20250918	WATER	1,4-Dioxane	0.430	0.07	0.2	0.2	ug/L
Total Svoc :			0.43					

Hit Summary Sheet SW-846

SDG No.: Q3156
Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	0.43					
Client ID :	TT191D1-20250918								
Q3156-19	TT191D1-20250918	WATER	1,4-Dioxane	2.800	0.07	0.2	0.2	ug/L	
			Total Svoc :	2.80					
			Total Concentration:	2.80					
Client ID :	DUP09-20250918								
Q3156-20	DUP09-20250918	WATER	1,4-Dioxane	2.800	0.07	0.2	0.2	ug/L	
			Total Svoc :	2.80					
			Total Concentration:	2.80					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RE10-MW01S-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-02		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037895.D	1	09/23/25 09:15	09/25/25 18:51	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6980	7.818				
1146-65-2	Naphthalene-d8	19900	10.626				
15067-26-2	Acenaphthene-d10	10600	14.473				
1517-22-2	Phenanthrene-d10	22700	17.223				
1719-03-5	Chrysene-d12	20300	21.402				
1520-96-3	Perylene-d12	19100	23.733				

U = Not Detected

LOQ = Limit of Quantitation

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E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE131D3-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037896.D	1	09/23/25 09:15	09/25/25 19:28	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.80		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		123%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7910	7.818				
1146-65-2	Naphthalene-d8	22400	10.626				
15067-26-2	Acenaphthene-d10	11800	14.473				
1517-22-2	Phenanthrene-d10	24400	17.223				
1719-03-5	Chrysene-d12	19100	21.402				
1520-96-3	Perylene-d12	15100	23.733				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	TT190D1-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-04		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
BN037897.D	1	09/23/25 09:15	09/25/25 20:05	PB169794

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	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7370	7.818				
1146-65-2	Naphthalene-d8	21700	10.626				
15067-26-2	Acenaphthene-d10	11700	14.473				
1517-22-2	Phenanthrene-d10	23900	17.223				
1719-03-5	Chrysene-d12	20100	21.402				
1520-96-3	Perylene-d12	17500	23.73				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RE132D2-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-05		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
BN037898.D	1	09/23/25 09:15	09/25/25 20:41	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.10	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	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	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7600	7.818				
1146-65-2	Naphthalene-d8	21400	10.626				
15067-26-2	Acenaphthene-d10	11200	14.473				
1517-22-2	Phenanthrene-d10	23200	17.223				
1719-03-5	Chrysene-d12	17700	21.402				
1520-96-3	Perylene-d12	14500	23.73				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	RE132D2-20250918DL	SDG No.:	Q3156
Lab Sample ID:	Q3156-05DL	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
BN037938.D	2	09/23/25 09:15	09/29/25 16:57	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.50	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	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	5580	7.818				
1146-65-2	Naphthalene-d8	16200	10.616				
15067-26-2	Acenaphthene-d10	8390	14.473				
1517-22-2	Phenanthrene-d10	17600	17.211				
1719-03-5	Chrysene-d12	16600	21.393				
1520-96-3	Perylene-d12	17900	23.718				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RE132D4-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-06		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
BN037899.D	1	09/23/25 09:15	09/25/25 21:18	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.10	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		131%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7380	7.818				
1146-65-2	Naphthalene-d8	21000	10.626				
15067-26-2	Acenaphthene-d10	10800	14.473				
1517-22-2	Phenanthrene-d10	22600	17.223				
1719-03-5	Chrysene-d12	17400	21.402				
1520-96-3	Perylene-d12	13700	23.73				

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RE132D4-20250918DL		SDG No.:	Q3156
Lab Sample ID:	Q3156-06DL		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
BN037945.D	2	09/23/25 09:15	09/30/25 13:29	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.80	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8140		7.811			
1146-65-2	Naphthalene-d8	24300		10.616			
15067-26-2	Acenaphthene-d10	12300		14.462			
1517-22-2	Phenanthrene-d10	25700		17.211			
1719-03-5	Chrysene-d12	21800		21.402			
1520-96-3	Perylene-d12	20200		23.727			

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT189D2-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-07	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
BN037900.D	1	09/23/25 09:15	09/25/25 21:54	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.20	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6740	7.818				
1146-65-2	Naphthalene-d8	19000	10.626				
15067-26-2	Acenaphthene-d10	10100	14.473				
1517-22-2	Phenanthrene-d10	21000	17.223				
1719-03-5	Chrysene-d12	17600	21.402				
1520-96-3	Perylene-d12	16200	23.727				

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT189D2-20250918DL	SDG No.:	Q3156
Lab Sample ID:	Q3156-07DL	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
BN037940.D	2	09/23/25 09:15	09/29/25 18:09	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.00	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	0.42		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6020	7.818				
1146-65-2	Naphthalene-d8	17100	10.616				
15067-26-2	Acenaphthene-d10	8850	14.473				
1517-22-2	Phenanthrene-d10	17900	17.211				
1719-03-5	Chrysene-d12	15900	21.393				
1520-96-3	Perylene-d12	16900	23.721				

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	TT149I1-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-08		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
BN037907.D	1	09/23/25 09:15	09/26/25 02:52	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.52		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	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		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		137%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6900	7.818				
1146-65-2	Naphthalene-d8	19100	10.626				
15067-26-2	Acenaphthene-d10	9820	14.473				
1517-22-2	Phenanthrene-d10	20300	17.223				
1719-03-5	Chrysene-d12	16600	21.402				
1520-96-3	Perylene-d12	14300	23.733				

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RE132D3-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-09		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
BN037908.D	1	09/23/25 09:15	09/26/25 03:29	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.50		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	0.45		30 - 150		111%	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		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		127%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6760	7.818				
1146-65-2	Naphthalene-d8	19000	10.626				
15067-26-2	Acenaphthene-d10	9870	14.473				
1517-22-2	Phenanthrene-d10	20300	17.223				
1719-03-5	Chrysene-d12	16800	21.402				
1520-96-3	Perylene-d12	15300	23.73				

U = Not Detected

LOQ = Limit of Quantitation

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:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/19/25
Client Sample ID:	TT180D1-20250918	SDG No.:	Q3156
Lab Sample ID:	Q3156-10	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
BN037909.D	1	09/23/25 09:15	09/26/25 04:05	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.60		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	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		127%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6640	7.818				
1146-65-2	Naphthalene-d8	20400	10.626				
15067-26-2	Acenaphthene-d10	10500	14.473				
1517-22-2	Phenanthrene-d10	21400	17.223				
1719-03-5	Chrysene-d12	17400	21.402				
1520-96-3	Perylene-d12	14900	23.73				

U = Not Detected

LOQ = Limit of Quantitation

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

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RE132D1-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-11		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
BN037910.D	1	09/23/25 09:15	09/26/25 04:41	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		135%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6690	7.818				
1146-65-2	Naphthalene-d8	20100	10.626				
15067-26-2	Acenaphthene-d10	10300	14.473				
1517-22-2	Phenanthrene-d10	21600	17.223				
1719-03-5	Chrysene-d12	17800	21.402				
1520-96-3	Perylene-d12	15100	23.73				

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

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	TT190D2-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-12		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
BN037911.D	1	09/23/25 09:15	09/26/25 05:18	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.90		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	0.43		30 - 150		108%	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	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8050	7.818				
1146-65-2	Naphthalene-d8	22900	10.616				
15067-26-2	Acenaphthene-d10	11700	14.473				
1517-22-2	Phenanthrene-d10	24400	17.223				
1719-03-5	Chrysene-d12	18500	21.402				
1520-96-3	Perylene-d12	14600	23.73				

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:	09/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25	
Client Sample ID:	EB02-20250918		SDG No.:	Q3156	
Lab Sample ID:	Q3156-13		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037912.D	1	09/23/25 09:15	09/26/25 05:54	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.090	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7190	7.818				
1146-65-2	Naphthalene-d8	20700	10.616				
15067-26-2	Acenaphthene-d10	11200	14.473				
1517-22-2	Phenanthrene-d10	22500	17.223				
1719-03-5	Chrysene-d12	16200	21.402				
1520-96-3	Perylene-d12	12900	23.733				

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:	09/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25	
Client Sample ID:	EB03-20250918		SDG No.:	Q3156	
Lab Sample ID:	Q3156-14		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
BN037913.D	1	09/23/25 09:15	09/26/25 06:30	PB169794

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	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.61	*	58 - 132		152%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6450	7.818				
1146-65-2	Naphthalene-d8	20000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.473				
1517-22-2	Phenanthrene-d10	21800	17.223				
1719-03-5	Chrysene-d12	15800	21.402				
1520-96-3	Perylene-d12	12200	23.73				

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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RW9-MW01D1-20250919		SDG No.:	Q3156
Lab Sample ID:	Q3156-16		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037914.D	1	09/23/25 09:15	09/26/25 07:06	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		116%	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		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		126%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5750	7.818				
1146-65-2	Naphthalene-d8	16900	10.616				
15067-26-2	Acenaphthene-d10	8710	14.473				
1517-22-2	Phenanthrene-d10	18400	17.223				
1719-03-5	Chrysene-d12	15900	21.402				
1520-96-3	Perylene-d12	15300	23.733				

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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	TT191D2-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-17		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037915.D	1	09/23/25 09:15	09/26/25 07:43	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36		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	0.45		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7030	7.818				
1146-65-2	Naphthalene-d8	20500	10.616				
15067-26-2	Acenaphthene-d10	11000	14.473				
1517-22-2	Phenanthrene-d10	23200	17.223				
1719-03-5	Chrysene-d12	21400	21.402				
1520-96-3	Perylene-d12	19400	23.73				

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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RW9-MW01S-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-18		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
BN037916.D	1	09/23/25 09:15	09/26/25 08:19	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.51		30 - 150		126%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		136%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6550	7.818				
1146-65-2	Naphthalene-d8	18900	10.616				
15067-26-2	Acenaphthene-d10	9990	14.473				
1517-22-2	Phenanthrene-d10	20600	17.223				
1719-03-5	Chrysene-d12	17000	21.402				
1520-96-3	Perylene-d12	14400	23.733				

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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	TT191D1-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-19		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
BN037917.D	1	09/23/25 09:15	09/26/25 08:55	PB169794

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	0.39		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 - 150		126%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		102%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43	*	53 - 106		107%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		138%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6650	7.818				
1146-65-2	Naphthalene-d8	19100	10.615				
15067-26-2	Acenaphthene-d10	9590	14.473				
1517-22-2	Phenanthrene-d10	19900	17.223				
1719-03-5	Chrysene-d12	16700	21.402				
1520-96-3	Perylene-d12	13900	23.733				

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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	DUP09-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-20		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
BN037918.D	1	09/23/25 09:15	09/26/25 09:32	PB169794

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	0.40		30 - 150		100%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.48		30 - 150		119%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		106%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		129%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6520	7.818				
1146-65-2	Naphthalene-d8	18200	10.616				
15067-26-2	Acenaphthene-d10	9530	14.473				
1517-22-2	Phenanthrene-d10	19600	17.223				
1719-03-5	Chrysene-d12	16600	21.402				
1520-96-3	Perylene-d12	14500	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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RW9-MW01D3-20250918		SDG No.:	Q3156
Lab Sample ID:	Q3156-21		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
BN037919.D	1	09/23/25 09:15	09/26/25 10:08	PB169794

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	0.43		30 - 150		108%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.52		30 - 150		131%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.46	*	55 - 111		114%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.46	*	53 - 106		115%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.58	*	58 - 132		144%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6950	7.818				
1146-65-2	Naphthalene-d8	19200	10.626				
15067-26-2	Acenaphthene-d10	9830	14.473				
1517-22-2	Phenanthrene-d10	20200	17.223				
1719-03-5	Chrysene-d12	16900	21.402				
1520-96-3	Perylene-d12	14600	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:	09/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/19/25
Client Sample ID:	RW9-MW01D2-20250919		SDG No.:	Q3156
Lab Sample ID:	Q3156-23		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
BN037920.D	1	09/23/25 09:15	09/26/25 10:45	PB169794

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		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		101%	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	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7740	7.818				
1146-65-2	Naphthalene-d8	22000	10.616				
15067-26-2	Acenaphthene-d10	11300	14.473				
1517-22-2	Phenanthrene-d10	22700	17.223				
1719-03-5	Chrysene-d12	17700	21.402				
1520-96-3	Perylene-d12	13800	23.733				

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.: Q3156

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169794BL	PB169794BL	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB169794BS	PB169794BS	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.37	91		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
PB169794BSD	PB169794BSD	2-Methylnaphthalene-d10	0.4	0.38	95		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.40	101		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q3156-02	RE10-MW01S-20250918	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.29	74		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q3156-03	RE131D3-20250918	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.49	123		58	132
Q3156-04	TT190D1-20250918	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.33	81		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
Q3156-05	RE132D2-20250918	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q3156-05DL	RE132D2-20250918DL	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.42	104		58	132
Q3156-06	RE132D4-20250918	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.52	131		58	132
Q3156-06DL	RE132D4-20250918DL	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q3156-07	TT189D2-20250918	2-Methylnaphthalene-d10	0.4	0.31	78		30	150

Surrogate Summary

SW-846

SDG No.: Q3156

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3156-07	TT189D2-20250918	Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.52	130		58	132
Q3156-07DL	TT189D2-20250918DL	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.42	106		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
Q3156-08	TT149I1-20250918	Terphenyl-d14	0.4	0.49	122		58	132
		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
Q3156-09	RE132D3-20250918	2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
		2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.45	111		30	150
Q3156-10	TT180D1-20250918	Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
Q3156-11	RE132D1-20250918	Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
Q3156-12	TT190D2-20250918	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
Q3156-13	EB02-20250918	Terphenyl-d14	0.4	0.54	135	*	58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
Q3156-14	EB03-20250918	2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
		2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.42	106		30	150
Q3156-16	RW9-MW01D1-20250919	Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
		2-Methylnaphthalene-d10	0.4	0.36	89		30	150
Q3156-17	TT191D2-20250918	Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.61	152	*	58	132
Q3156-18	RW9-MW01D1-20250919	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.47	116		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
Q3156-19	TT191D2-20250918	Terphenyl-d14	0.4	0.50	126		58	132
		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
Q3156-20	RW9-MW01D1-20250919	Fluoranthene-d10	0.4	0.45	112		30	150

Surrogate Summary

SW-846

SDG No.: **Q3156**

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

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3156-17	TT191D2-20250918	Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q3156-18	RW9-MW01S-20250918	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.51	126		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
Q3156-19	TT191D1-20250918	2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.54	136	*	58	132
		2-Methylnaphthalene-d10	0.4	0.39	96		30	150
Q3156-20	DUP09-20250918	Fluoranthene-d10	0.4	0.50	126		30	150
		Nitrobenzene-d5	0.4	0.41	102		55	111
		2-Fluorobiphenyl	0.4	0.43	107	*	53	106
Q3156-21	RW9-MW01D3-20250918	Terphenyl-d14	0.4	0.55	138	*	58	132
		2-Methylnaphthalene-d10	0.4	0.40	100		30	150
		Fluoranthene-d10	0.4	0.48	119		30	150
Q3156-22	RW9-MW01D3-20250918	Nitrobenzene-d5	0.4	0.43	106		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.52	129		58	132
Q3156-23	RW9-MW01D2-20250919	2-Methylnaphthalene-d10	0.4	0.43	108		30	150
		Fluoranthene-d10	0.4	0.52	131		30	150
		Nitrobenzene-d5	0.4	0.46	114	*	55	111
Q3156-24	RW9-MW01D2-20250919	2-Fluorobiphenyl	0.4	0.46	115	*	53	106
		Terphenyl-d14	0.4	0.58	144	*	58	132
		2-Methylnaphthalene-d10	0.4	0.33	83		30	150
Q3156-25	RW9-MW01D2-20250919	Fluoranthene-d10	0.4	0.40	101		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
Q3156-26	RW9-MW01D2-20250919	Terphenyl-d14	0.4	0.47	117		58	132



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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3156

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169794BS	1,4-Dioxane	0.4	0.30	ug/L	75				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3156

Analytical Method: 8270-Modified

Client: AECOM Technical Services, Inc.

DataFile: BN037906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169794BSD	1,4-Dioxane	0.4	0.34	ug/L	85	13			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169794BL

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3156

Lab File ID: BN037904.D Lab Sample ID: PB169794BL

Instrument ID: BNA_N Date Extracted: 09/23/2025

Matrix: (soil/water) Water Date Analyzed: 09/26/2025

Level: (low/med) LOW Time Analyzed: 01:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169794BS	PB169794BS	BN037905.D	09/26/2025
RE10-MW01S-20250918	Q3156-02	BN037895.D	09/25/2025
RE131D3-20250918	Q3156-03	BN037896.D	09/25/2025
TT190D1-20250918	Q3156-04	BN037897.D	09/25/2025
PB169794BSD	PB169794BSD	BN037906.D	09/26/2025
RE132D2-20250918	Q3156-05	BN037898.D	09/25/2025
RE132D4-20250918	Q3156-06	BN037899.D	09/25/2025
TT189D2-20250918	Q3156-07	BN037900.D	09/25/2025
TT149I1-20250918	Q3156-08	BN037907.D	09/26/2025
RE132D3-20250918	Q3156-09	BN037908.D	09/26/2025
TT180D1-20250918	Q3156-10	BN037909.D	09/26/2025
RE132D1-20250918	Q3156-11	BN037910.D	09/26/2025
TT190D2-20250918	Q3156-12	BN037911.D	09/26/2025
EB02-20250918	Q3156-13	BN037912.D	09/26/2025
EB03-20250918	Q3156-14	BN037913.D	09/26/2025
RW9-MW01D1-20250919	Q3156-16	BN037914.D	09/26/2025
TT191D2-20250918	Q3156-17	BN037915.D	09/26/2025
RW9-MW01S-20250918	Q3156-18	BN037916.D	09/26/2025
TT191D1-20250918	Q3156-19	BN037917.D	09/26/2025
DUP09-20250918	Q3156-20	BN037918.D	09/26/2025
RW9-MW01D3-20250918	Q3156-21	BN037919.D	09/26/2025
RW9-MW01D2-20250919	Q3156-23	BN037920.D	09/26/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AECO15
SDG NO.: Q3156
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: BN037882.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3156
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
RE10-MW01S-20250918	Q3156-02	BN037895.D	09/25/2025	18:51
RE131D3-20250918	Q3156-03	BN037896.D	09/25/2025	19:28
TT190D1-20250918	Q3156-04	BN037897.D	09/25/2025	20:05
RE132D2-20250918	Q3156-05	BN037898.D	09/25/2025	20:41
RE132D4-20250918	Q3156-06	BN037899.D	09/25/2025	21:18
TT189D2-20250918	Q3156-07	BN037900.D	09/25/2025	21:54
SSTDCCC0.4EC	SSTDCCC0.4	BN037901.D	09/25/2025	22:31

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037902.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3156
DFTPP Injection Date: 09/25/2025
DFTPP Injection Time: 23:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	78.7
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	20.4 (20.5) 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	BN037903.D	09/26/2025	00:27
PB169794BL	PB169794BL	BN037904.D	09/26/2025	01:03
PB169794BS	PB169794BS	BN037905.D	09/26/2025	01:40
PB169794BSD	PB169794BSD	BN037906.D	09/26/2025	02:16
TT149I1-20250918	Q3156-08	BN037907.D	09/26/2025	02:52
RE132D3-20250918	Q3156-09	BN037908.D	09/26/2025	03:29
TT180D1-20250918	Q3156-10	BN037909.D	09/26/2025	04:05
RE132D1-20250918	Q3156-11	BN037910.D	09/26/2025	04:41
TT190D2-20250918	Q3156-12	BN037911.D	09/26/2025	05:18
EB02-20250918	Q3156-13	BN037912.D	09/26/2025	05:54
EB03-20250918	Q3156-14	BN037913.D	09/26/2025	06:30
RW9-MW01D1-20250919	Q3156-16	BN037914.D	09/26/2025	07:06
TT191D2-20250918	Q3156-17	BN037915.D	09/26/2025	07:43
RW9-MW01S-20250918	Q3156-18	BN037916.D	09/26/2025	08:19
TT191D1-20250918	Q3156-19	BN037917.D	09/26/2025	08:55
DUP09-20250918	Q3156-20	BN037918.D	09/26/2025	09:32
RW9-MW01D3-20250918	Q3156-21	BN037919.D	09/26/2025	10:08
RW9-MW01D2-20250919	Q3156-23	BN037920.D	09/26/2025	10:45

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037902.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3156
DFTPP Injection Date: 09/25/2025
DFTPP Injection Time: 23:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	99.9
443	15.0 - 24.0% of mass 442	20.4 (20.5) 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
SSTDCCC0.4EC	SSTDCCC0.4	BN037921.D	09/26/2025	11:21

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037930.D
Instrument ID: BNA_N

Contract: AECO15
SDG NO.: Q3156
DFTPP Injection Date: 09/29/2025
DFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (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	6.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	81.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (20) 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	BN037931.D	09/29/2025	11:30
RE132D2-20250918DL	Q3156-05DL	BN037938.D	09/29/2025	16:57
TT189D2-20250918DL	Q3156-07DL	BN037940.D	09/29/2025	18:09
SSTDCCC0.4EC	SSTDCCC0.4	BN037941.D	09/29/2025	18:46

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AECO15
SDG NO.: Q3156
DFTPP Injection Date: 09/30/2025
DFTPP Injection Time: 11:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	76.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (21) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037943.D	09/30/2025	12:16
RE132D4-20250918DL	Q3156-06DL	BN037945.D	09/30/2025	13:29
SSTDCCC0.4EC	SSTDCCC0.4	BN037959.D	09/30/2025	23:14

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3156

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 RE10-MW01S-20250918	6982	7.82	19942	10.63	10587	14.47
02 RE131D3-20250918	7909	7.82	22437	10.63	11826	14.47
03 TT190D1-20250918	7371	7.82	21672	10.63	11695	14.47
04 RE132D2-20250918	7601	7.82	21427	10.63	11165	14.47
05 RE132D4-20250918	7384	7.82	20979	10.63	10786	14.47
06 TT189D2-20250918	6739	7.82	19035	10.63	10075	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.: Q3156

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 RE10-MW01S-20250918	22704	17.22	20254	21.40	19096	23.73
02 RE131D3-20250918	24427	17.22	19066	21.40	15120	23.73
03 TT190D1-20250918	23866	17.22	20074	21.40	17451	23.73
04 RE132D2-20250918	23219	17.22	17732	21.40	14515	23.73
05 RE132D4-20250918	22576	17.22	17392	21.40	13747	23.73
06 TT189D2-20250918	21000	17.22	17568	21.40	16173	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.: Q3156

Client ID : SSTDCCC0.4

Date Analyzed: 09/26/2025

Lab File ID: BN037903.D

Time Analyzed: 00:27

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	8644	7.818	24903	10.63	13049	14.47
	UPPER LIMIT	17288	8.318	49806	11.126	26098	14.973
	LOWER LIMIT	4322	7.318	12451.5	10.126	6524.5	13.973
	EPA SAMPLE NO.						
01	PB169794BL	7888	7.82	21247	10.63	10244	14.47
02	PB169794BS	8269	7.82	22708	10.63	11283	14.47
03	PB169794BSD	7872	7.82	21986	10.63	10679	14.47
04	TT149I1-20250918	6896	7.82	19086	10.63	9820	14.47
05	RE132D3-20250918	6764	7.82	19035	10.63	9869	14.47
06	TT180D1-20250918	6637	7.82	20394	10.63	10463	14.47
07	RE132D1-20250918	6685	7.82	20112	10.63	10348	14.47
08	TT190D2-20250918	8047	7.82	22852	10.62	11726	14.47
09	EB02-20250918	7190	7.82	20705	10.62	11165	14.47
10	EB03-20250918	6448	7.82	20010	10.62	10991	14.47
11	RW9-MW01D1-20250919	5754	7.82	16872	10.62	8712	14.47
12	TT191D2-20250918	7032	7.82	20474	10.62	10961	14.47
13	RW9-MW01S-20250918	6549	7.82	18878	10.62	9985	14.47
14	TT191D1-20250918	6652	7.82	19099	10.62	9587	14.47
15	DUP09-20250918	6521	7.82	18178	10.62	9526	14.47
16	RW9-MW01D3-20250918	6947	7.82	19224	10.63	9834	14.47
17	RW9-MW01D2-20250919	7742	7.82	21958	10.62	11286	14.47

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3156

Client ID : SSTDCCC0.4

Date Analyzed: 09/26/2025

Lab File ID: BN037903.D

Time Analyzed: 00:27

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	8644	7.818	24903	10.63	13049	14.47
UPPER LIMIT	17288	8.318	49806	11.126	26098	14.973
LOWER LIMIT	4322	7.318	12451.5	10.126	6524.5	13.973
EPA SAMPLE NO.						

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.: Q3156

Client ID: SSTDCCC0.4

Date Analyzed: 09/26/2025

Lab File ID: BN037903.D

Time Analyzed: 00:27

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	25791	17.223	22233	21.402	21166	23.727
	UPPER LIMIT	51582	17.723	44466	21.902	42332	24.227
	LOWER LIMIT	12895.5	16.723	11116.5	20.902	10583	23.227
	EPA SAMPLE NO.						
01	PB169794BL	21199	17.22	17643	21.40	15839	23.73
02	PB169794BS	22331	17.22	17549	21.40	13953	23.73
03	PB169794BSD	20250	17.22	13542	21.40	9649 *	23.73
04	TT149T1-20250918	20338	17.22	16550	21.40	14300	23.73
05	RE132D3-20250918	20274	17.22	16818	21.40	15301	23.73
06	TT180D1-20250918	21440	17.22	17437	21.40	14914	23.73
07	RE132D1-20250918	21581	17.22	17777	21.40	15083	23.73
08	TT190D2-20250918	24423	17.22	18501	21.40	14619	23.73
09	EB02-20250918	22532	17.22	16225	21.40	12882	23.73
10	EB03-20250918	21769	17.22	15802	21.40	12170	23.73
11	RW9-MW01D1-20250919	18412	17.22	15939	21.40	15338	23.73
12	TT191D2-20250918	23227	17.22	21388	21.40	19449	23.73
13	RW9-MW01S-20250918	20629	17.22	16995	21.40	14398	23.73
14	TT191D1-20250918	19938	17.22	16744	21.40	13944	23.73
15	DUP09-20250918	19646	17.22	16645	21.40	14529	23.74
16	RW9-MW01D3-20250918	20208	17.22	16944	21.40	14579	23.74
17	RW9-MW01D2-20250919	22710	17.22	17686	21.40	13838	23.73

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3156

Client ID: SSTDCCC0.4

Date Analyzed: 09/26/2025

Lab File ID: BN037903.D

Time Analyzed: 00:27

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	25791	17.223	22233	21.402	21166	23.727
UPPER LIMIT	51582	17.723	44466	21.902	42332	24.227
LOWER LIMIT	12895.5	16.723	11116.5	20.902	10583	23.227
EPA SAMPLE NO.						

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.: Q3156

Client ID : SSTDCCC0.4

Date Analyzed: 09/29/2025

Lab File ID: BN037931.D

Time Analyzed: 11:30

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	9694	7.818	28657	10.62	15093	14.47
UPPER LIMIT	19388	8.318	57314	11.116	30186	14.973
LOWER LIMIT	4847	7.318	14328.5	10.116	7546.5	13.973
EPA SAMPLE NO.						
01 RE132D2-20250918DL	5575	7.82	16174	10.62	8394	14.47
02 TT189D2-20250918DL	6024	7.82	17127	10.62	8846	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.: Q3156

Client ID: SSTDCCC0.4

Date Analyzed: 09/29/2025

Lab File ID: BN037931.D

Time Analyzed: 11:30

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	28466	17.211	20163	21.402	15946	23.724
UPPER LIMIT	56932	17.711	40326	21.902	31892	24.224
LOWER LIMIT	14233	16.711	10081.5	20.902	7973	23.224
EPA SAMPLE NO.						
01 RE132D2-20250918DL	17604	17.21	16611	21.39	17857	23.72
02 TT189D2-20250918DL	17911	17.21	15890	21.39	16872	23.72

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3156

Client ID : SSTDCCC0.4

Date Analyzed: 09/30/2025

Lab File ID: BN037943.D

Time Analyzed: 12:16

Instrument ID: BNA_N

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	9644	7.811	27222	10.62	14738	14.46
UPPER LIMIT	19288	8.311	54444	11.116	29476	14.962
LOWER LIMIT	4822	7.311	13611	10.116	7369	13.962
EPA SAMPLE NO.						
01 RE132D4-20250918DL	8143	7.81	24296	10.62	12338	14.46

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3156

Client ID: SSTDCCC0.4

Date Analyzed: 09/30/2025

Lab File ID: BN037943.D

Time Analyzed: 12:16

Instrument ID: BNA_N

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	29357	17.211	26509	21.402	23943	23.724
UPPER LIMIT	58714	17.711	53018	21.902	47886	24.224
LOWER LIMIT	14678.5	16.711	13254.5	20.902	11971.5	23.224
EPA SAMPLE NO.						
01 RE132D4-20250918DL	25715	17.21	21779	21.40	20219	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.



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:	PB169794BL		SDG No.:	Q3156
Lab Sample ID:	PB169794BL		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
BN037904.D	1	09/23/25 09:15	09/26/25 01:03	PB169794

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		83%	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		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7890	7.818				
1146-65-2	Naphthalene-d8	21200	10.626				
15067-26-2	Acenaphthene-d10	10200	14.473				
1517-22-2	Phenanthrene-d10	21200	17.223				
1719-03-5	Chrysene-d12	17600	21.402				
1520-96-3	Perylene-d12	15800	23.727				

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:	PB169794BS		SDG No.:	Q3156
Lab Sample ID:	PB169794BS		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
BN037905.D	1	09/23/25 09:15	09/26/25 01:40	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	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	8270	7.818				
1146-65-2	Naphthalene-d8	22700	10.626				
15067-26-2	Acenaphthene-d10	11300	14.473				
1517-22-2	Phenanthrene-d10	22300	17.223				
1719-03-5	Chrysene-d12	17500	21.402				
1520-96-3	Perylene-d12	14000	23.727				

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:	PB169794BSD		SDG No.:	Q3156
Lab Sample ID:	PB169794BSD		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
BN037906.D	1	09/23/25 09:15	09/26/25 02:16	PB169794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.34		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		95%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.40		55 - 111		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7870	7.818				
1146-65-2	Naphthalene-d8	22000	10.626				
15067-26-2	Acenaphthene-d10	10700	14.473				
1517-22-2	Phenanthrene-d10	20300	17.223				
1719-03-5	Chrysene-d12	13500	21.402				
1520-96-3	Perylene-d12	9650	23.727				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

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

Calibration Files

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

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

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

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

Method File : 8270-SIM-BN092325.M

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

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
 Lab Code: ACE SDG No.: Q3156
 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: Alliance Contract: AECO15
Lab Code: ACE SDG No.: Q3156
Instrument ID: BNA_N Calibration Date/Time: 09/25/2025 22:31
Lab File ID: BN037901.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	0.514		-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.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
 Lab Code: ACE SDG No.: Q3156
 Instrument ID: BNA_N Calibration Date/Time: 09/26/2025 00:27
 Lab File ID: BN037903.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.516		-7.2	20.0
Fluoranthene-d10	1.006	0.920		-8.5	20.0
2-Fluorophenol	0.913	0.964		5.6	20.0
Phenol-d6	1.199	1.267		5.7	20.0
Nitrobenzene-d5	0.305	0.315		3.3	20.0
2-Fluorobiphenyl	1.638	1.635		-0.2	20.0
2,4,6-Tribromophenol	0.152	0.146		-3.9	20.0
Terphenyl-d14	0.797	0.753		-5.5	20.0
1,4-Dioxane	0.406	0.412		1.5	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>Q3156</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/26/2025 11:21</u>
Lab File ID:	<u>BN037921.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	0.528		-5.0	50.0
Fluoranthene-d10	1.006	0.937		-6.9	50.0
2-Fluorophenol	0.913	0.977		7.0	50.0
Phenol-d6	1.199	1.303		8.7	50.0
Nitrobenzene-d5	0.305	0.311		2.0	50.0
2-Fluorobiphenyl	1.638	1.604		-2.1	50.0
2,4,6-Tribromophenol	0.152	0.151		-0.7	50.0
Terphenyl-d14	0.797	0.771		-3.3	50.0
1,4-Dioxane	0.406	0.404		-0.5	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>Q3156</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/29/2025 11:30</u>
Lab File ID:	<u>BN037931.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</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	0.515		-7.4	20.0
Fluoranthene-d10	1.006	0.853		-15.2	20.0
2-Fluorophenol	0.913	0.894		-2.1	20.0
Phenol-d6	1.199	1.159		-3.3	20.0
Nitrobenzene-d5	0.305	0.277		-9.2	20.0
2-Fluorobiphenyl	1.638	1.554		-5.1	20.0
2,4,6-Tribromophenol	0.152	0.134		-11.8	20.0
Terphenyl-d14	0.797	0.840		5.4	20.0
1,4-Dioxane	0.406	0.433		6.7	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>Q3156</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/29/2025 18:46</u>
Lab File ID:	<u>BN037941.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	0.490		-11.9	50.0
Fluoranthene-d10	1.006	0.914		-9.1	50.0
2-Fluorophenol	0.913	0.907		-0.7	50.0
Phenol-d6	1.199	1.110		-7.4	50.0
Nitrobenzene-d5	0.305	0.282		-7.5	50.0
2-Fluorobiphenyl	1.638	1.513		-7.6	50.0
2,4,6-Tribromophenol	0.152	0.142		-6.6	50.0
Terphenyl-d14	0.797	0.716		-10.2	50.0
1,4-Dioxane	0.406	0.382		-5.9	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15
 Lab Code: ACE SDG No.: Q3156
 Instrument ID: BNA_N Calibration Date/Time: 09/30/2025 12:16
 Lab File ID: BN037943.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
 GC Column: ZB-GR ID: 0.25 (mm)

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

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3156</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/30/2025 23:14</u>
Lab File ID:	<u>BN037959.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>12:13 15:51</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

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

All other compounds must meet a minimum RRF of 0.010.