

LAB CHRONICLE

OrderID:	Q2299	OrderDate:	6/12/2025 12:06:00 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
Q2299-01	RE117D1-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-02	RE117D2-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-05	TT191D1-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-06	TT191D2-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-07	RW10-MW01S-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-08	RW10-MW01D-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-09	RW10A-MW01S-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-10	RW10A-MW01I-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-11	TT158I1-20250610	Water	SVOC-SIMGroup1	8270-Modified	06/10/25	06/13/25	06/14/25	06/11/25
Q2299-12	DUP01-20250610	Water	SVOC-SIMGroup1	8270-Modified	06/10/25	06/13/25	06/14/25	06/11/25

LAB CHRONICLE

Q2299-13	RE131D2-20250610	Water			06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-13DL	RE131D2-20250610DL	Water			06/10/25			06/11/25
	L		SVOC-SIMGroup1	8270-Modified		06/13/25	06/16/25	
Q2299-14	DUP02-20250610	Water			06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-14DL	DUP02-20250610DL	Water			06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/16/25	
Q2299-15	TT174I1-20250610	Water			06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-16	RE134D4-20250610	Water			06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-17	RE134D3-20250610	Water			06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-17DL	RE134D3-20250610DL	Water			06/10/25			06/11/25
	L		SVOC-SIMGroup1	8270-Modified		06/13/25	06/16/25	
Q2299-18	TT190D1-20250611	Water			06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-19	RW11-MW01I-20250611	Water			06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-20	RW11-MW01S-20250611	Water			06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-21	RE134D1-20250611	Water			06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	
Q2299-22	TT190D2-20250611	Water			06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified		06/13/25	06/14/25	

Hit Summary Sheet SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RE117D1-20250609								
Q2299-01	RE117D1-20250609	WATER	1,4-Dioxane	0.630		0.07	0.2	0.2	ug/L
			Total Svoc :			0.63			
			Total Concentration:			0.63			
Client ID :	TT191D1-20250609								
Q2299-05	TT191D1-20250609	WATER	1,4-Dioxane	2.300	M	0.07	0.2	0.2	ug/L
			Total Svoc :			2.30			
			Total Concentration:			2.30			
Client ID :	TT191D2-20250609								
Q2299-06	TT191D2-20250609	WATER	1,4-Dioxane	0.370		0.07	0.2	0.2	ug/L
			Total Svoc :			0.37			
			Total Concentration:			0.37			
Client ID :	RW10-MW01S-20250609								
Q2299-07	RW10-MW01S-20250609	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 :	RW10A-MW01S-20250609								
Q2299-09	RW10A-MW01S-20250609	WATER	1,4-Dioxane	0.150	J	0.07	0.21	0.21	ug/L
			Total Svoc :			0.15			
			Total Concentration:			0.15			
Client ID :	RE131D2-20250610								
Q2299-13	RE131D2-20250610	WATER	1,4-Dioxane	10.200	E	0.07	0.2	0.2	ug/L
			Total Svoc :			10.20			
			Total Concentration:			10.20			
Client ID :	RE131D2-20250610DL								
Q2299-13DL	RE131D2-20250610DL	WATER	1,4-Dioxane	13.200	D	0.33	1	1	ug/L
			Total Svoc :			13.20			
			Total Concentration:			13.20			
Client ID :	DUP02-20250610								
Q2299-14	DUP02-20250610	WATER	1,4-Dioxane	8.400	E	0.07	0.2	0.2	ug/L
			Total Svoc :			8.40			
			Total Concentration:			8.40			
Client ID :	DUP02-20250610DL								
Q2299-14DL	DUP02-20250610DL	WATER	1,4-Dioxane	11.100	D	0.33	1	1	ug/L
			Total Svoc :			11.10			

Hit Summary Sheet
SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			11.10					
Client ID :	TT174H1-20250610							
Q2299-15	TT174H1-20250610	WATER	1,4-Dioxane	0.600	0.07	0.2	0.2	ug/L
Total Svoc :			0.60					
Total Concentration:			0.60					
Client ID :	RE134D4-20250610							
Q2299-16	RE134D4-20250610	WATER	1,4-Dioxane	1.700	0.07	0.2	0.2	ug/L
Total Svoc :			1.70					
Total Concentration:			1.70					
Client ID :	RE134D3-20250610							
Q2299-17	RE134D3-20250610	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 :	RE134D3-20250610DL							
Q2299-17DL	RE134D3-20250610DL	WATER	1,4-Dioxane	6.600	D 0.13	0.4	0.4	ug/L
Total Svoc :			6.60					
Total Concentration:			6.60					
Client ID :	TT190D1-20250611							
Q2299-18	TT190D1-20250611	WATER	1,4-Dioxane	1.400	0.07	0.2	0.2	ug/L
Total Svoc :			1.40					
Total Concentration:			1.40					
Client ID :	RE134D1-20250611							
Q2299-21	RE134D1-20250611	WATER	1,4-Dioxane	0.910	0.07	0.21	0.21	ug/L
Total Svoc :			0.91					
Total Concentration:			0.91					
Client ID :	TT190D2-20250611							
Q2299-22	TT190D2-20250611	WATER	1,4-Dioxane	1.300	0.07	0.2	0.2	ug/L
Total Svoc :			1.30					
Total Concentration:			1.30					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE117D1-20250609	SDG No.:	Q2299
Lab Sample ID:	Q2299-01	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
BN037244.D	1	06/13/25 08:03	06/14/25 02:20	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.63		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	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	786	7.582				
1146-65-2	Naphthalene-d8	1980	10.361				
15067-26-2	Acenaphthene-d10	1110	14.223				
1517-22-2	Phenanthrene-d10	2090	16.983				
1719-03-5	Chrysene-d12	1830	21.179				
1520-96-3	Perylene-d12	1900	23.362				

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:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE117D2-20250609	SDG No.:	Q2299
Lab Sample ID:	Q2299-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037245.D	1	06/13/25 08:03	06/14/25 02:56	PB168458

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		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	884	7.582				
1146-65-2	Naphthalene-d8	2160	10.362				
15067-26-2	Acenaphthene-d10	1190	14.224				
1517-22-2	Phenanthrene-d10	2020	16.984				
1719-03-5	Chrysene-d12	1610	21.18				
1520-96-3	Perylene-d12	1760	23.363				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT191D1-20250609	SDG No.:	Q2299
Lab Sample ID:	Q2299-05	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
BN037248.D	1	06/13/25 08:03	06/14/25 04:45	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.30	M	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	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		61%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		67%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		119%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	959		7.582			
1146-65-2	Naphthalene-d8	2360		10.362			
15067-26-2	Acenaphthene-d10	1260		14.224			
1517-22-2	Phenanthrene-d10	2270		16.984			
1719-03-5	Chrysene-d12	1960		21.171			
1520-96-3	Perylene-d12	2010		23.36			

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	TT191D2-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-06		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
BN037249.D	1	06/13/25 08:03	06/14/25 05:21	PB168458

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	0.25		30 - 150		61%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		57%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	966	7.575				
1146-65-2	Naphthalene-d8	2320	10.362				
15067-26-2	Acenaphthene-d10	1240	14.224				
1517-22-2	Phenanthrene-d10	2180	16.984				
1719-03-5	Chrysene-d12	1690	21.171				
1520-96-3	Perylene-d12	1750	23.363				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10-MW01S-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-07		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
BN037250.D	1	06/13/25 08:03	06/14/25 05:57	PB168458

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	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		70%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	913		7.582			
1146-65-2	Naphthalene-d8	2260		10.361			
15067-26-2	Acenaphthene-d10	1190		14.224			
1517-22-2	Phenanthrene-d10	2140		16.971			
1719-03-5	Chrysene-d12	1780		21.171			
1520-96-3	Perylene-d12	1850		23.36			

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10-MW01D-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-08		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
BN037251.D	1	06/13/25 08:03	06/14/25 06:33	PB168458

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	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		62%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	978	7.582				
1146-65-2	Naphthalene-d8	2450	10.362				
15067-26-2	Acenaphthene-d10	1300	14.224				
1517-22-2	Phenanthrene-d10	2260	16.971				
1719-03-5	Chrysene-d12	1680	21.18				
1520-96-3	Perylene-d12	1690	23.36				

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10A-MW01S-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-09		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037252.D	1	06/13/25 08:03	06/14/25 07:09	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.15	J	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	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	993	7.575				
1146-65-2	Naphthalene-d8	2390	10.351				
15067-26-2	Acenaphthene-d10	1290	14.224				
1517-22-2	Phenanthrene-d10	2300	16.971				
1719-03-5	Chrysene-d12	1690	21.171				
1520-96-3	Perylene-d12	1690	23.36				

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:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW01I-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-10		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
BN037253.D	1	06/13/25 08:03	06/14/25 07:46	PB168458

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	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	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	968	7.575				
1146-65-2	Naphthalene-d8	2340	10.362				
15067-26-2	Acenaphthene-d10	1250	14.224				
1517-22-2	Phenanthrene-d10	2100	16.971				
1719-03-5	Chrysene-d12	1600	21.18				
1520-96-3	Perylene-d12	1650	23.363				

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	TT158I1-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-11		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
BN037254.D	1	06/13/25 08:03	06/14/25 08:22	PB168458

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	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		62%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.57	*	58 - 132		142%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	883		7.582			
1146-65-2	Naphthalene-d8	2220		10.361			
15067-26-2	Acenaphthene-d10	1190		14.224			
1517-22-2	Phenanthrene-d10	1990		16.971			
1719-03-5	Chrysene-d12	1560		21.18			
1520-96-3	Perylene-d12	1570		23.363			

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:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP01-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-12		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
BN037255.D	1	06/13/25 08:03	06/14/25 08:58	PB168458

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	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.73	*	58 - 132		182%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	902	7.575				
1146-65-2	Naphthalene-d8	2240	10.362				
15067-26-2	Acenaphthene-d10	1190	14.224				
1517-22-2	Phenanthrene-d10	2110	16.971				
1719-03-5	Chrysene-d12	1640	21.18				
1520-96-3	Perylene-d12	1620	23.36				

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE131D2-20250610	SDG No.:	Q2299
Lab Sample ID:	Q2299-13	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
BN037256.D	1	06/13/25 08:03	06/14/25 09:34	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	10.2	E	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	0.39		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1020	7.575				
1146-65-2	Naphthalene-d8	2390	10.362				
15067-26-2	Acenaphthene-d10	1300	14.224				
1517-22-2	Phenanthrene-d10	2220	16.971				
1719-03-5	Chrysene-d12	1840	21.18				
1520-96-3	Perylene-d12	1820	23.363				

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RE131D2-20250610DL		SDG No.:	Q2299
Lab Sample ID:	Q2299-13DL		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
BN037287.D	5	06/13/25 08:03	06/16/25 12:15	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13.2	D	0.33	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.61	*	58 - 132		151%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	771		7.582			
1146-65-2	Naphthalene-d8	1900		10.362			
15067-26-2	Acenaphthene-d10	1100		14.224			
1517-22-2	Phenanthrene-d10	1810		16.984			
1719-03-5	Chrysene-d12	1370		21.18			
1520-96-3	Perylene-d12	1300		23.366			

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	DUP02-20250610	SDG No.:	Q2299
Lab Sample ID:	Q2299-14	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
BN037261.D	1	06/13/25 08:03	06/14/25 14:35	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.40	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	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.85	*	58 - 132		212%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	856	7.575				
1146-65-2	Naphthalene-d8	2180	10.351				
15067-26-2	Acenaphthene-d10	1130	14.224				
1517-22-2	Phenanthrene-d10	2250	16.971				
1719-03-5	Chrysene-d12	1730	21.171				
1520-96-3	Perylene-d12	1720	23.36				

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	DUP02-20250610DL		SDG No.:	Q2299
Lab Sample ID:	Q2299-14DL		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
BN037288.D	5	06/13/25 08:03	06/16/25 12:51	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11.1	D	0.33	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		49%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	1.15	*	58 - 132		288%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	691		7.582			
1146-65-2	Naphthalene-d8	1770		10.362			
15067-26-2	Acenaphthene-d10	1010		14.224			
1517-22-2	Phenanthrene-d10	1900		16.971			
1719-03-5	Chrysene-d12	1310		21.18			
1520-96-3	Perylene-d12	1240		23.366			

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT174I1-20250610	SDG No.:	Q2299
Lab Sample ID:	Q2299-15	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
BN037262.D	1	06/13/25 08:03	06/14/25 15:11	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.60		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		63%	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	939	7.582				
1146-65-2	Naphthalene-d8	2290	10.361				
15067-26-2	Acenaphthene-d10	1180	14.224				
1517-22-2	Phenanthrene-d10	2050	16.971				
1719-03-5	Chrysene-d12	1680	21.171				
1520-96-3	Perylene-d12	1690	23.363				

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE134D4-20250610	SDG No.:	Q2299
Lab Sample ID:	Q2299-16	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
BN037263.D	1	06/13/25 08:03	06/14/25 15:47	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.70		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	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	977	7.575				
1146-65-2	Naphthalene-d8	2440	10.351				
15067-26-2	Acenaphthene-d10	1270	14.224				
1517-22-2	Phenanthrene-d10	2240	16.971				
1719-03-5	Chrysene-d12	1760	21.18				
1520-96-3	Perylene-d12	1810	23.363				

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RE134D3-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-17		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
BN037264.D	1	06/13/25 08:03	06/14/25 16:23	PB168458

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	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		103%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1010	7.575				
1146-65-2	Naphthalene-d8	2460	10.351				
15067-26-2	Acenaphthene-d10	1300	14.224				
1517-22-2	Phenanthrene-d10	2300	16.971				
1719-03-5	Chrysene-d12	2030	21.171				
1520-96-3	Perylene-d12	2090	23.36				

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:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17DL		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
BN037286.D	2	06/13/25 08:03	06/16/25 11:39	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.60	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		110%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	929		7.575			
1146-65-2	Naphthalene-d8	2310		10.362			
15067-26-2	Acenaphthene-d10	1310		14.224			
1517-22-2	Phenanthrene-d10	2320		16.971			
1719-03-5	Chrysene-d12	1780		21.18			
1520-96-3	Perylene-d12	1750		23.36			

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:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT190D1-20250611	SDG No.:	Q2299
Lab Sample ID:	Q2299-18	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037265.D	1	06/13/25 08:03	06/14/25 17:00	PB168458

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		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		79%	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	1130	7.575				
1146-65-2	Naphthalene-d8	2840	10.351				
15067-26-2	Acenaphthene-d10	1550	14.224				
1517-22-2	Phenanthrene-d10	2840	16.971				
1719-03-5	Chrysene-d12	2560	21.171				
1520-96-3	Perylene-d12	2400	23.357				

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:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW11-MW011-20250611		SDG No.:	Q2299
Lab Sample ID:	Q2299-19		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
BN037266.D	1	06/13/25 08:03	06/14/25 17:36	PB168458

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		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	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	1330	7.575				
1146-65-2	Naphthalene-d8	3320	10.351				
15067-26-2	Acenaphthene-d10	1700	14.224				
1517-22-2	Phenanthrene-d10	3110	16.971				
1719-03-5	Chrysene-d12	2630	21.171				
1520-96-3	Perylene-d12	2550	23.36				

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:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW11-MW01S-20250611		SDG No.:	Q2299
Lab Sample ID:	Q2299-20		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
BN037267.D	1	06/13/25 08:03	06/14/25 18:12	PB168458

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	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1400	7.575				
1146-65-2	Naphthalene-d8	3630	10.351				
15067-26-2	Acenaphthene-d10	1890	14.224				
1517-22-2	Phenanthrene-d10	3450	16.971				
1719-03-5	Chrysene-d12	2450	21.171				
1520-96-3	Perylene-d12	2250	23.363				

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:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-21		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	960	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
BN037268.D	1	06/13/25 08:03	06/14/25 18:48	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.91		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	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	1240	7.575				
1146-65-2	Naphthalene-d8	3140	10.351				
15067-26-2	Acenaphthene-d10	1630	14.224				
1517-22-2	Phenanthrene-d10	2960	16.971				
1719-03-5	Chrysene-d12	2280	21.171				
1520-96-3	Perylene-d12	2150	23.357				

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:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT190D2-20250611	SDG No.:	Q2299
Lab Sample ID:	Q2299-22	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037269.D	1	06/13/25 08:03	06/14/25 19:24	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.30		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	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		55 - 111		60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	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	1250	7.575				
1146-65-2	Naphthalene-d8	3040	10.351				
15067-26-2	Acenaphthene-d10	1620	14.224				
1517-22-2	Phenanthrene-d10	2850	16.971				
1719-03-5	Chrysene-d12	2130	21.171				
1520-96-3	Perylene-d12	2000	23.36				

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.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168458BL	PB168458BL	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
PB168458BS	PB168458BS	2-Methylnaphthalene-d10	0.4	0.41	102		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.38	94		58	132
Q2299-01	RE117D1-20250609	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q2299-02	RE117D2-20250609	2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2299-03MS	TT191D1-20250609MS	2-Methylnaphthalene-d10	0.4	0.26	66		30	150
		Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q2299-04MSD	TT191D1-20250609MSD	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.28	69		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
Q2299-05	TT191D1-20250609	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.25	61		55	111
		2-Fluorobiphenyl	0.4	0.27	67		53	106
		Terphenyl-d14	0.4	0.48	119		58	132
Q2299-06	TT191D2-20250609	2-Methylnaphthalene-d10	0.4	0.25	61		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.23	57		55	111
		2-Fluorobiphenyl	0.4	0.25	63		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2299-07	RW10-MW01S-20250609	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.25	63		55	111
		2-Fluorobiphenyl	0.4	0.28	70		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q2299-08	RW10-MW01D-20250609	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.25	62		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q2299-09	RW10A-MW01S-20250609	2-Methylnaphthalene-d10	0.4	0.32	79		30	150

Surrogate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2299-09	RW10A-MW01S-20250609	Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.54	136	*	58	132
Q2299-10	RW10A-MW01I-20250609	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
Q2299-11	TT158I1-20250610	Terphenyl-d14	0.4	0.47	117		58	132
		2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.25	62		55	111
Q2299-12	DUP01-20250610	2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.57	142	*	58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
Q2299-13	RE131D2-20250610	Nitrobenzene-d5	0.4	0.27	67		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.73	182	*	58	132
		2-Methylnaphthalene-d10	0.4	0.33	82		30	150
Q2299-13DL	RE131D2-20250610DL	Fluoranthene-d10	0.4	0.39	96		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2299-14	DUP02-20250610	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
		2-Fluorobiphenyl	0.4	0.39	96		53	106
Q2299-14DL	DUP02-20250610DL	Terphenyl-d14	0.4	0.61	151	*	58	132
		2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.26	64		55	111
Q2299-15	TT174I1-20250610	2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.85	212	*	58	132
		2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
Q2299-16	RE134D4-20250610	Nitrobenzene-d5	0.4	0.20	49	*	55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	1.15	288	*	58	132
		2-Methylnaphthalene-d10	0.4	0.30	74		30	150
Q2299-17	RE134D3-20250610	Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.25	63		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
		2-Methylnaphthalene-d10	0.4	0.29	74		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
		2-Methylnaphthalene-d10	0.4	0.32	80		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150

Surrogate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2299-17	RE134D3-20250610	Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
Q2299-17DL	RE134D3-20250610DL	2-Methylnaphthalene-d10	0.4	0.31	79		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.28	69		55	111
Q2299-18	TT190D1-20250611	2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.44	110		58	132
		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
Q2299-19	RW11-MW01I-20250611	Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.28	71		55	111
		2-Fluorobiphenyl	0.4	0.31	79		53	106
Q2299-20	RW11-MW01S-20250611	Terphenyl-d14	0.4	0.42	104		58	132
		2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
Q2299-21	RE134D1-20250611	Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
Q2299-22	TT190D2-20250611	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.28	69		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.24	60		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.50	125		58	132

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2299-03MS		Client Sample ID: TT191D1-20250609MS						DataFile: BN037246.D			
1,4-Dioxane	0.4	2.30	2.10	ug/L	-50	*			70	130	



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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2299-04MSD	Client Sample ID:	TT191D1-20250609MSD					DataFile:	BN037247.D		
1,4-Dioxane	0.4	2.30	2.30	ug/L	0	*	200	*	70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified DataFile: BN037270.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168458BS	1,4-Dioxane	0.4	0.36	ug/L	90				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168458BL

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2299

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037241.D

Lab Sample ID: PB168458BL

Instrument ID: BNA_N

Date Extracted: 06/13/2025

Matrix: (soil/water) Water

Date Analyzed: 06/14/2025

Level: (low/med) LOW

Time Analyzed: 00:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168458BS	PB168458BS	BN037270.D	06/14/2025
RE117D1-20250609	Q2299-01	BN037244.D	06/14/2025
RE117D2-20250609	Q2299-02	BN037245.D	06/14/2025
TT191D1-20250609MS	Q2299-03MS	BN037246.D	06/14/2025
TT191D1-20250609MSD	Q2299-04MSD	BN037247.D	06/14/2025
TT191D1-20250609	Q2299-05	BN037248.D	06/14/2025
TT191D2-20250609	Q2299-06	BN037249.D	06/14/2025
RW10-MW01S-20250609	Q2299-07	BN037250.D	06/14/2025
RW10-MW01D-20250609	Q2299-08	BN037251.D	06/14/2025
RW10A-MW01S-20250609	Q2299-09	BN037252.D	06/14/2025
RW10A-MW01I-20250609	Q2299-10	BN037253.D	06/14/2025
TT158I1-20250610	Q2299-11	BN037254.D	06/14/2025
DUP01-20250610	Q2299-12	BN037255.D	06/14/2025
RE131D2-20250610	Q2299-13	BN037256.D	06/14/2025
DUP02-20250610	Q2299-14	BN037261.D	06/14/2025
TT174I1-20250610	Q2299-15	BN037262.D	06/14/2025
RE134D4-20250610	Q2299-16	BN037263.D	06/14/2025
RE134D3-20250610	Q2299-17	BN037264.D	06/14/2025
TT190D1-20250611	Q2299-18	BN037265.D	06/14/2025
RW11-MW01I-20250611	Q2299-19	BN037266.D	06/14/2025
RW11-MW01S-20250611	Q2299-20	BN037267.D	06/14/2025
RE134D1-20250611	Q2299-21	BN037268.D	06/14/2025
TT190D2-20250611	Q2299-22	BN037269.D	06/14/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037223.D

DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.1) 1
69	Mass 69 relative abundance	64.6
70	Less than 2.0% of mass 69	0.3 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	62.5
443	15.0 - 24.0% of mass 442	12.6 (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
SSTDICC0.1	SSTDICC0.1	BN037225.D	06/13/2025	13:33
SSTDICC0.2	SSTDICC0.2	BN037226.D	06/13/2025	14:10
SSTDICCC0.4	SSTDICCC0.4	BN037227.D	06/13/2025	14:46
SSTDICC0.8	SSTDICC0.8	BN037228.D	06/13/2025	15:22
SSTDICC1.6	SSTDICC1.6	BN037229.D	06/13/2025	15:59
SSTDICC3.2	SSTDICC3.2	BN037230.D	06/13/2025	16:35
SSTDICC5.0	SSTDICC5.0	BN037231.D	06/13/2025	17:11
SSTDCCC0.4EC	SSTDCCC0.4	BN037238.D	06/13/2025	22:01

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037239.D

DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 23:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1) 1
69	Mass 69 relative abundance	65.4
70	Less than 2.0% of mass 69	0.4 (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	6.5
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	48.1
443	15.0 - 24.0% of mass 442	10.3 (21.5) 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	BN037240.D	06/13/2025	23:55
PB168458BL	PB168458BL	BN037241.D	06/14/2025	00:31
RE117D1-20250609	Q2299-01	BN037244.D	06/14/2025	02:20
RE117D2-20250609	Q2299-02	BN037245.D	06/14/2025	02:56
TT191D1-20250609MS	Q2299-03MS	BN037246.D	06/14/2025	03:32
TT191D1-20250609MSD	Q2299-04MSD	BN037247.D	06/14/2025	04:08
TT191D1-20250609	Q2299-05	BN037248.D	06/14/2025	04:45
TT191D2-20250609	Q2299-06	BN037249.D	06/14/2025	05:21
RW10-MW01S-20250609	Q2299-07	BN037250.D	06/14/2025	05:57
RW10-MW01D-20250609	Q2299-08	BN037251.D	06/14/2025	06:33
RW10A-MW01S-20250609	Q2299-09	BN037252.D	06/14/2025	07:09
RW10A-MW01I-20250609	Q2299-10	BN037253.D	06/14/2025	07:46
TT158I1-20250610	Q2299-11	BN037254.D	06/14/2025	08:22
DUP01-20250610	Q2299-12	BN037255.D	06/14/2025	08:58
RE131D2-20250610	Q2299-13	BN037256.D	06/14/2025	09:34
SSTDCCC0.4EC	SSTDCCC0.4	BN037257.D	06/14/2025	10:10

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299

SDG NO.: Q2299

Lab File ID: BN037258.D

DFTPP Injection Date: 06/14/2025

Instrument ID: BNA_N

DFTPP Injection Time: 12:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	1 (1.5) 1
69	Mass 69 relative abundance	67.8
70	Less than 2.0% of mass 69	0.4 (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	7.3
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	9.4
442	Greater than 50% of mass 198	60.7
443	15.0 - 24.0% of mass 442	11.1 (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	BN037259.D	06/14/2025	13:23
DUP02-20250610	Q2299-14	BN037261.D	06/14/2025	14:35
TT174I1-20250610	Q2299-15	BN037262.D	06/14/2025	15:11
RE134D4-20250610	Q2299-16	BN037263.D	06/14/2025	15:47
RE134D3-20250610	Q2299-17	BN037264.D	06/14/2025	16:23
TT190D1-20250611	Q2299-18	BN037265.D	06/14/2025	17:00
RW11-MW01I-20250611	Q2299-19	BN037266.D	06/14/2025	17:36
RW11-MW01S-20250611	Q2299-20	BN037267.D	06/14/2025	18:12
RE134D1-20250611	Q2299-21	BN037268.D	06/14/2025	18:48
TT190D2-20250611	Q2299-22	BN037269.D	06/14/2025	19:24
PB168458BS	PB168458BS	BN037270.D	06/14/2025	20:00
SSTDCCC0.4EC	SSTDCCC0.4	BN037271.D	06/14/2025	20:36

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299

SDG NO.: Q2299

Lab File ID: BN037283.D

DFTPP Injection Date: 06/16/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (0.9) 1
69	Mass 69 relative abundance	65
70	Less than 2.0% of mass 69	0.3 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	59.4
443	15.0 - 24.0% of mass 442	10.3 (17.3) 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	BN037284.D	06/16/2025	10:23
RE134D3-20250610DL	Q2299-17DL	BN037286.D	06/16/2025	11:39
RE131D2-20250610DL	Q2299-13DL	BN037287.D	06/16/2025	12:15
DUP02-20250610DL	Q2299-14DL	BN037288.D	06/16/2025	12:51
SSTDCCC0.4EC	SSTDCCC0.4	BN037289.D	06/16/2025	13:53

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037240.D Time Analyzed: 23:55

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	1101	7.582	2581	10.35	1319	14.22
UPPER LIMIT	2202	8.082	5162	10.851	2638	14.724
LOWER LIMIT	550.5	7.082	1290.5	9.851	659.5	13.724
EPA SAMPLE NO.						
01 PB168458BL	1034	7.58	2349	10.36	1253	14.24
02 RE117D1-20250609	786	7.58	1976	10.36	1112	14.22
03 RE117D2-20250609	884	7.58	2161	10.36	1194	14.22
04 TT191D1-20250609MS	952	7.58	2349	10.35	1209	14.22
05 TT191D1-20250609MSD	888	7.58	2241	10.35	1184	14.22
06 TT191D1-20250609	959	7.58	2360	10.36	1260	14.22
07 TT191D2-20250609	966	7.58	2320	10.36	1237	14.22
08 RW10-MW01S-20250609	913	7.58	2259	10.36	1194	14.22
09 RW10-MW01D-20250609	978	7.58	2447	10.36	1301	14.22
10 RW10A-MW01S-20250609	993	7.58	2388	10.35	1287	14.22
11 RW10A-MW01I-20250609	968	7.58	2339	10.36	1252	14.22
12 TT158I1-20250610	883	7.58	2223	10.36	1185	14.22
13 DUP01-20250610	902	7.58	2240	10.36	1189	14.22
14 RE131D2-20250610	1021	7.58	2392	10.36	1295	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037240.D Time Analyzed: 23:55

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	2396	16.971	1787	21.171	1797	23.36
	UPPER LIMIT	4792	17.471	3574	21.671	3594	23.86
	LOWER LIMIT	1198	16.471	893.5	20.671	898.5	22.86
	EPA SAMPLE NO.						
01	PB168458BL	2010	16.98	1424	21.18	1183	23.37
02	RE117D1-20250609	2088	16.98	1833	21.18	1896	23.36
03	RE117D2-20250609	2020	16.98	1612	21.18	1755	23.36
04	TT191D1-20250609MS	2152	16.97	1734	21.17	1757	23.36
05	TT191D1-20250609MSD	2199	16.97	1956	21.17	1969	23.36
06	TT191D1-20250609	2273	16.98	1959	21.17	2013	23.36
07	TT191D2-20250609	2179	16.98	1692	21.17	1750	23.36
08	RW10-MW01S-20250609	2140	16.97	1781	21.17	1845	23.36
09	RW10-MW01D-20250609	2259	16.97	1680	21.18	1691	23.36
10	RW10A-MW01S-20250609	2304	16.97	1687	21.17	1690	23.36
11	RW10A-MW01I-20250609	2096	16.97	1604	21.18	1645	23.36
12	TT158I1-20250610	1991	16.97	1557	21.18	1567	23.36
13	DUP01-20250610	2107	16.97	1643	21.18	1624	23.36
14	RE131D2-20250610	2221	16.97	1842	21.18	1819	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/14/2025

Lab File ID: BN037259.D Time Analyzed: 13:23

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	1044	7.575	2562	10.35	1268	14.22
UPPER LIMIT	2088	8.075	5124	10.851	2536	14.724
LOWER LIMIT	522	7.075	1281	9.851	634	13.724
EPA SAMPLE NO.						
01 PB168458BS	1588	7.58	3911	10.35	1944	14.22
02 DUP02-20250610	856	7.58	2177	10.35	1128	14.22
03 TT174I1-20250610	939	7.58	2285	10.36	1178	14.22
04 RE134D4-20250610	977	7.58	2442	10.35	1265	14.22
05 RE134D3-20250610	1012	7.58	2458	10.35	1295	14.22
06 TT190D1-20250611	1132	7.58	2844	10.35	1545	14.22
07 RW11-MW01I-20250611	1325	7.58	3321	10.35	1702	14.22
08 RW11-MW01S-20250611	1398	7.58	3634	10.35	1888	14.22
09 RE134D1-20250611	1239	7.58	3144	10.35	1632	14.22
10 TT190D2-20250611	1248	7.58	3038	10.35	1624	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/14/2025

Lab File ID: BN037259.D Time Analyzed: 13:23

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	2318	16.971	1702	21.171	1789	23.36
UPPER LIMIT	4636	17.471	3404	21.671	3578	23.86
LOWER LIMIT	1159	16.471	851	20.671	894.5	22.86
EPA SAMPLE NO.						
01 PB168458BS	3410	16.97	2495	21.17	2298	23.36
02 DUP02-20250610	2247	16.97	1734	21.17	1724	23.36
03 TT17411-20250610	2047	16.97	1682	21.17	1693	23.36
04 RE134D4-20250610	2241	16.97	1763	21.18	1807	23.36
05 RE134D3-20250610	2300	16.97	2027	21.17	2087	23.36
06 TT190D1-20250611	2840	16.97	2558	21.17	2398	23.36
07 RW11-MW01I-20250611	3112	16.97	2629	21.17	2551	23.36
08 RW11-MW01S-20250611	3453	16.97	2450	21.17	2246	23.36
09 RE134D1-20250611	2957	16.97	2278	21.17	2145	23.36
10 TT190D2-20250611	2851	16.97	2132	21.17	1996	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/16/2025

Lab File ID: BN037284.D Time Analyzed: 10:23

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	1056	7.575	2600	10.35	1364	14.22
UPPER LIMIT	2112	8.075	5200	10.851	2728	14.724
LOWER LIMIT	528	7.075	1300	9.851	682	13.724
EPA SAMPLE NO.						
01 RE131D2-20250610DL	771	7.58	1898	10.36	1101	14.22
02 DUP02-20250610DL	691	7.58	1765	10.36	1009	14.22
03 RE134D3-20250610DL	929	7.58	2314	10.36	1314	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/16/2025

Lab File ID: BN037284.D Time Analyzed: 10:23

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	2522	16.971	1830	21.171	1806	23.36
UPPER LIMIT	5044	17.471	3660	21.671	3612	23.86
LOWER LIMIT	1261	16.471	915	20.671	903	22.86
EPA SAMPLE NO.						
01 RE131D2-20250610DL	1810	16.98	1371	21.18	1300	23.37
02 DUP02-20250610DL	1902	16.97	1313	21.18	1237	23.37
03 RE134D3-20250610DL	2315	16.97	1782	21.18	1749	23.36

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:	PB168458BL		SDG No.:	Q2299
Lab Sample ID:	PB168458BL		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
BN037241.D	1	06/13/25 08:03	06/14/25 00:31	PB168458

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	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	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	1030	7.582				
1146-65-2	Naphthalene-d8	2350	10.362				
15067-26-2	Acenaphthene-d10	1250	14.235				
1517-22-2	Phenanthrene-d10	2010	16.984				
1719-03-5	Chrysene-d12	1420	21.18				
1520-96-3	Perylene-d12	1180	23.369				

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:	PB168458BS		SDG No.:	Q2299
Lab Sample ID:	PB168458BS		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
BN037270.D	1	06/13/25 08:03	06/14/25 20:00	PB168458

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	0.41		30 - 150		102%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		94%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1590	7.575				
1146-65-2	Naphthalene-d8	3910	10.351				
15067-26-2	Acenaphthene-d10	1940	14.224				
1517-22-2	Phenanthrene-d10	3410	16.971				
1719-03-5	Chrysene-d12	2500	21.171				
1520-96-3	Perylene-d12	2300	23.36				

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:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT191D1-20250609MS	SDG No.:	Q2299
Lab Sample ID:	Q2299-03MS	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
BN037246.D	1	06/13/25 08:03	06/14/25 03:32	PB168458

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	0.26		30 - 150		66%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	952	7.575				
1146-65-2	Naphthalene-d8	2350	10.351				
15067-26-2	Acenaphthene-d10	1210	14.224				
1517-22-2	Phenanthrene-d10	2150	16.971				
1719-03-5	Chrysene-d12	1730	21.171				
1520-96-3	Perylene-d12	1760	23.363				

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:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT191D1-20250609MSD	SDG No.:	Q2299
Lab Sample ID:	Q2299-04MSD	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
BN037247.D	1	06/13/25 08:03	06/14/25 04:08	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.30		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	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	888	7.575				
1146-65-2	Naphthalene-d8	2240	10.351				
15067-26-2	Acenaphthene-d10	1180	14.224				
1517-22-2	Phenanthrene-d10	2200	16.971				
1719-03-5	Chrysene-d12	1960	21.17				
1520-96-3	Perylene-d12	1970	23.357				

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-BN061325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 13 18:43:34 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037225.D 0.2 =BN037226.D 0.4 =BN037227.D 0.8 =BN037228.D 1.6 =BN037229.D 3.2 =BN037230.D 5.0 =BN037231.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.683	0.525	0.535	0.549	0.515	0.486	0.549	12.56	
3)	n-Nitrosodimet...	1.357	1.277	1.208	1.295	1.232	1.134	1.250	6.18	
4) S	2-Fluorophenol	1.043	1.026	0.942	0.907	0.996	0.990	0.972	0.982	4.80
5) S	Phenol-d6	0.875	0.937	0.963	0.986	1.148	1.166	1.173	1.035	11.94
6)	bis(2-Chloroet...	0.768	0.709	0.870	0.955	1.086	1.064	1.040	0.927	16.08
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.366	0.304	0.384	0.377	0.440	0.442	0.453	0.395	13.53
9)	Naphthalene	1.186	1.153	1.133	1.109	1.208	1.161	1.159	1.158	2.83
10)	Hexachlorobuta...	0.299	0.290	0.302	0.271	0.285	0.267	0.258	0.282	5.91
11) SURR	2-Methylnaphth...	0.496	0.504	0.557	0.520	0.576	0.552	0.553	0.537	5.64
12)	2-Methylnaphth...	0.631	0.634	0.704	0.699	0.769	0.746	0.745	0.704	7.77
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.126	0.146	0.171	0.171	0.188	0.183	0.178	0.166	13.42
15) S	2-Fluorobiphenyl	1.566	1.530	1.699	1.658	1.822	1.777	1.715	1.681	6.31
16)	Acenaphthylene	1.907	1.870	1.870	1.915	2.077	2.062	2.021	1.960	4.61
17)	Acenaphthene	1.242	1.209	1.240	1.230	1.341	1.318	1.277	1.265	3.87
18)	Fluorene	1.544	1.509	1.593	1.610	1.757	1.714	1.649	1.625	5.46
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.074	0.066	0.086	0.100	0.110	0.116	0.092	21.86	
21)	4-Bromophenyl-...	0.248	0.248	0.244	0.256	0.278	0.276	0.273	0.261	5.65
22)	Hexachlorobenzene	0.342	0.318	0.311	0.284	0.297	0.284	0.279	0.302	7.65
23)	Atrazine	0.223	0.229	0.222	0.228	0.241	0.241	0.244	0.232	3.84
24)	Pentachlorophenol	0.139	0.124	0.137	0.154	0.162	0.171	0.148	11.86	
25)	Phenanthrene	1.253	1.225	1.186	1.238	1.324	1.328	1.327	1.269	4.54
26)	Anthracene	1.094	1.079	1.080	1.138	1.221	1.257	1.261	1.161	7.13
27) SURR	Fluoranthene-d10	1.015	1.073	1.053	1.017	1.053	1.043	1.073	1.046	2.27
28)	Fluoranthene	1.470	1.508	1.412	1.449	1.509	1.510	1.537	1.485	2.94
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.850	1.740	1.962	1.849	2.016	1.892	1.854	1.881	4.74
31) S	Terphenyl-d14	0.815	0.845	0.946	0.871	0.990	0.939	0.924	0.904	6.89
32)	Benzo(a)anthra...	1.175	1.204	1.225	1.332	1.512	1.507	1.499	1.351	11.36
33)	Chrysene	1.783	1.722	1.695	1.617	1.711	1.633	1.616	1.683	3.73
34)	Bis(2-ethylhex...	1.104	1.024	1.000	1.006	0.942	0.960	1.006	5.65	
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN061325.M

36)	Indeno(1,2,3-c...	1.506	1.503	1.507	1.486	1.718	1.757	1.813	1.613	8.87
37)	Benzo(b)fluora...	1.309	1.288	1.376	1.456	1.618	1.576	1.620	1.463	9.81
38)	Benzo(k)fluora...	1.835	1.503	1.628	1.667	1.757	1.704	1.728	1.689	6.24
39) C	Benzo(a)pyrene	1.271	1.208	1.234	1.298	1.407	1.382	1.413	1.316	6.42
40)	Dibenzo(a,h)an...	1.106	1.102	1.049	1.118	1.362	1.425	1.427	1.227	13.76
41)	Benzo(g,h,i)pe...	1.504	1.460	1.441	1.386	1.557	1.566	1.557	1.496	4.63

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/13/2025 23:55

Lab File ID: BN037240.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.559		4.1	20.0
Fluoranthene-d10	1.047	1.058		1.1	20.0
2-Fluorophenol	0.982	0.884		-10.0	20.0
Phenol-d6	1.035	0.970		-6.3	20.0
Nitrobenzene-d5	0.395	0.404		2.3	20.0
2-Fluorobiphenyl	1.681	1.759		4.6	20.0
2,4,6-Tribromophenol	0.166	0.171		3.0	20.0
Terphenyl-d14	0.904	0.889		-1.7	20.0
1,4-Dioxane	0.549	0.484		-11.8	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 10:10

Lab File ID: BN037257.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.557		3.7	50.0
Fluoranthene-d10	1.047	1.058		1.1	50.0
2-Fluorophenol	0.982	0.966		-1.6	50.0
Phenol-d6	1.035	1.004		-3.0	50.0
Nitrobenzene-d5	0.395	0.401		1.5	50.0
2-Fluorobiphenyl	1.681	1.713		1.9	50.0
2,4,6-Tribromophenol	0.166	0.169		1.8	50.0
Terphenyl-d14	0.904	0.905		0.1	50.0
1,4-Dioxane	0.549	0.503		-8.4	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 13:23

Lab File ID: BN037259.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.549		2.2	20.0
Fluoranthene-d10	1.047	1.028		-1.7	20.0
2-Fluorophenol	0.982	0.983		0.1	20.0
Phenol-d6	1.035	1.050		1.4	20.0
Nitrobenzene-d5	0.395	0.417		5.6	20.0
2-Fluorobiphenyl	1.681	1.791		6.5	20.0
2,4,6-Tribromophenol	0.166	0.181		9.0	20.0
Terphenyl-d14	0.904	0.907		0.3	20.0
1,4-Dioxane	0.549	0.538		-2.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 20:36

Lab File ID: BN037271.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.576		7.3	50.0
Fluoranthene-d10	1.047	1.069		2.2	50.0
2-Fluorophenol	0.982	0.935		-4.8	50.0
Phenol-d6	1.035	1.035		0.0	50.0
Nitrobenzene-d5	0.395	0.414		4.8	50.0
2-Fluorobiphenyl	1.681	1.725		2.6	50.0
2,4,6-Tribromophenol	0.166	0.164		-1.2	50.0
Terphenyl-d14	0.904	0.930		2.9	50.0
1,4-Dioxane	0.549	0.489		-10.9	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/16/2025 10:23

Lab File ID: BN037284.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.560		4.3	20.0
Fluoranthene-d10	1.047	1.053		0.7	20.0
2-Fluorophenol	0.982	0.918		-6.5	20.0
Phenol-d6	1.035	1.022		-1.3	20.0
Nitrobenzene-d5	0.395	0.424		7.3	20.0
2-Fluorobiphenyl	1.681	1.751		4.2	20.0
2,4,6-Tribromophenol	0.166	0.178		7.2	20.0
Terphenyl-d14	0.904	0.946		4.6	20.0
1,4-Dioxane	0.549	0.530		-3.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/16/2025 13:53

Lab File ID: BN037289.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.562		4.7	50.0
Fluoranthene-d10	1.047	1.069		2.2	50.0
2-Fluorophenol	0.982	0.975		-0.7	50.0
Phenol-d6	1.035	1.052		1.6	50.0
Nitrobenzene-d5	0.395	0.419		6.1	50.0
2-Fluorobiphenyl	1.681	1.752		4.2	50.0
2,4,6-Tribromophenol	0.166	0.186		12.0	50.0
Terphenyl-d14	0.904	0.931		3.0	50.0
1,4-Dioxane	0.549	0.534		-2.7	50.0

All other compounds must meet a minimum RRF of 0.010.