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

LAB CHRONICLE

OrderID:	Q2263	**OrderDate:**	6/6/2025 12:42:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	D21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2263-01	**RW9-MW01D3-20250606**	**Water**			**06/06/25**			**06/06/25**
			VOCMS Group1	8260-Low			06/11/25	
Q2263-02	**RW9-MW01S-20250606**	**Water**			**06/06/25**			**06/06/25**
			VOCMS Group1	8260-Low			06/11/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RW9-MW01D3-20250606**								
Q2263-01	RW9-MW01D3-202	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					

SAMPLE DATA

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01D3-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086963.D	1		06/11/25 20:39	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.90	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01D3-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086963.D	1		06/11/25 20:39	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	256000	8.235				
540-36-3	1,4-Difluorobenzene	487000	9.106				
3114-55-4	Chlorobenzene-d5	434000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.794				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01D3-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086963.D	1		06/11/25 20:39	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01S-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086964.D	1		06/11/25 21:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01S-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086964.D	1		06/11/25 21:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	212000	8.235				
540-36-3	1,4-Difluorobenzene	417000	9.106				
3114-55-4	Chlorobenzene-d5	370000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.794				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01S-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086964.D	1		06/11/25 21:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Surrogate Summary

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2263-01	RW9-MW01D3-20250606	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	50.8	101	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q2263-02	RW9-MW01S-20250606	1,2-Dichloroethane-d4	50	53.8	108	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
VN0611WBL01	VN0611WBL01	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
VN0611WBS02	VN0611WBS02	1,2-Dichloroethane-d4	50	47.1	94	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
VN0611WBSD0	VN0611WBSD02	1,2-Dichloroethane-d4	50	47.9	96	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0611WBS02	Dichlorodifluoromethane	20	19.7	ug/L	99			32	152	
	Chloromethane	20	16.1	ug/L	81			50	139	
	Vinyl chloride	20	18.9	ug/L	95			58	137	
	Bromomethane	20	16.6	ug/L	83			53	141	
	Chloroethane	20	19.4	ug/L	97			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70	136	
	1,1-Dichloroethene	20	19.2	ug/L	96			71	131	
	Acetone	100	99.0	ug/L	99			39	160	
	Carbon disulfide	20	17.8	ug/L	89			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methyl Acetate	20	19.0	ug/L	95			56	136	
	Methylene Chloride	20	19.0	ug/L	95			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	Cyclohexane	20	17.6	ug/L	88			71	130	
	2-Butanone	100	90.4	ug/L	90			56	143	
	Carbon Tetrachloride	20	19.2	ug/L	96			72	136	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			78	123	
	Bromochloromethane	20	19.9	ug/L	100			78	123	
	Chloroform	20	19.5	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	19.3	ug/L	97			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	19.9	ug/L	100			79	123	
	1,2-Dichloropropane	20	19.6	ug/L	98			78	122	
	Bromodichloromethane	20	19.6	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			67	130	
	Toluene	20	19.5	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	89.2	ug/L	89			57	139	
	Dibromochloromethane	20	20.5	ug/L	103			74	126	
	1,2-Dibromoethane	20	19.7	ug/L	99			77	121	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	20.0	ug/L	100			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	39.6	ug/L	99			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.1	ug/L	101			78	123	
	Bromoform	20	21.0	ug/L	105			66	130	
	Isopropylbenzene	20	19.3	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105			71	121	
	1,3-Dichlorobenzene	20	20.3	ug/L	102			80	119	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			79	118	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0611WBS02	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			62	128	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			69	130	
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89			69	129	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086945.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0611WBSD02	Dichlorodifluoromethane	20	19.1	ug/L	96	3		32	152	20
	Chloromethane	20	15.5	ug/L	78	4		50	139	20
	Vinyl chloride	20	18.7	ug/L	94	1		58	137	20
	Bromomethane	20	16.2	ug/L	81	2		53	141	20
	Chloroethane	20	18.9	ug/L	95	2		60	138	20
	Trichlorofluoromethane	20	19.0	ug/L	95	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	4		70	136	20
	1,1-Dichloroethene	20	19.1	ug/L	96	0		71	131	20
	Acetone	100	92.4	ug/L	92	7		39	160	20
	Carbon disulfide	20	17.2	ug/L	86	3		64	133	20
	Methyl tert-butyl Ether	20	20.2	ug/L	101	3		71	124	20
	Methyl Acetate	20	20.1	ug/L	101	6		56	136	20
	Methylene Chloride	20	19.1	ug/L	96	1		74	124	20
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	0		75	124	20
	1,1-Dichloroethane	20	19.3	ug/L	97	0		77	125	20
	Cyclohexane	20	17.2	ug/L	86	2		71	130	20
	2-Butanone	100	94.9	ug/L	95	5		56	143	20
	Carbon Tetrachloride	20	19.5	ug/L	98	2		72	136	20
	cis-1,2-Dichloroethene	20	19.6	ug/L	98	0		78	123	20
	Bromochloromethane	20	21.1	ug/L	106	6		78	123	20
	Chloroform	20	19.4	ug/L	97	1		79	124	20
	1,1,1-Trichloroethane	20	18.8	ug/L	94	1		74	131	20
	Methylcyclohexane	20	16.6	ug/L	83	2		72	132	20
	Benzene	20	19.7	ug/L	99	2		79	120	20
	1,2-Dichloroethane	20	20.3	ug/L	102	4		73	128	20
	Trichloroethene	20	20.1	ug/L	101	1		79	123	20
	1,2-Dichloropropane	20	20.0	ug/L	100	2		78	122	20
	Bromodichloromethane	20	20.7	ug/L	104	6		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	2		67	130	20
	Toluene	20	19.9	ug/L	100	2		80	121	20
	t-1,3-Dichloropropene	20	20.7	ug/L	104	4		73	127	20
	cis-1,3-Dichloropropene	20	20.7	ug/L	104	3		75	124	20
	1,1,2-Trichloroethane	20	20.9	ug/L	104	2		80	119	20
	2-Hexanone	100	93.8	ug/L	94	5		57	139	20
	Dibromochloromethane	20	21.2	ug/L	106	3		74	126	20
	1,2-Dibromoethane	20	20.7	ug/L	104	5		77	121	20
	Tetrachloroethene	20	18.5	ug/L	93	3		74	129	20
	Chlorobenzene	20	20.2	ug/L	101	1		82	118	20
	Ethyl Benzene	20	19.3	ug/L	97	1		79	121	20
	m/p-Xylenes	40	39.5	ug/L	99	0		80	121	20
	o-Xylene	20	20.0	ug/L	100	1		78	122	20
	Styrene	20	20.6	ug/L	103	2		78	123	20
	Bromoform	20	22.4	ug/L	112	6		66	130	20
	Isopropylbenzene	20	19.3	ug/L	97	0		72	131	20
	1,1,2,2-Tetrachloroethane	20	21.7	ug/L	109	4		71	121	20
	1,3-Dichlorobenzene	20	20.5	ug/L	103	1		80	119	20
	1,4-Dichlorobenzene	20	20.4	ug/L	102	0		79	118	20
	1,2-Dichlorobenzene	20	20.6	ug/L	103	3		80	119	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086945.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0611WBSD02	1,2-Dibromo-3-Chloropropane	20	20.8	ug/L	104	8		62	128	20
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	2		69	130	20
	1,2,3-Trichlorobenzene	20	18.1	ug/L	91	2		69	129	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0611WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

Lab File ID: VN086942.D Lab Sample ID: VN0611WBL01

Date Analyzed: 06/11/2025 Time Analyzed: 12:28

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025
VN0611WBSD02	VN0611WBSD02	VN086945.D	06/11/2025
RW9-MW01D3-20250606	Q2263-01	VN086963.D	06/11/2025
RW9-MW01S-20250606	Q2263-02	VN086964.D	06/11/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

Lab File ID: VN086939.D BFB Injection Date: 06/11/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	68.8 (96.8) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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
VSTDCCC050	VSTDCCC050	VN086940.D	06/11/2025	11:32
VN0611WBL01	VN0611WBL01	VN086942.D	06/11/2025	12:28
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025	13:27
VN0611WBSD02	VN0611WBSD02	VN086945.D	06/11/2025	14:01
RW9-MW01D3-20250606	Q2263-01	VN086963.D	06/11/2025	20:39
RW9-MW01S-20250606	Q2263-02	VN086964.D	06/11/2025	21:01
VSTDCCC050EC	VSTDCCC050	VN086965.D	06/11/2025	21:23

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

Lab File ID: VN086940.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	205098	8.23	357643	9.11	312173	11.87
UPPER LIMIT	410196	8.73	715286	9.606	624346	12.365
LOWER LIMIT	102549	7.73	178822	8.606	156087	11.365
EPA SAMPLE NO.						
RW9-MW01D3-20250606	255804	8.24	486937	9.11	433933	11.87
RW9-MW01S-20250606	212082	8.24	417259	9.11	370384	11.87
VN0611WBL01	328120	8.23	618651	9.11	543433	11.87
VN0611WBS02	206799	8.24	370524	9.11	321188	11.87
VN0611WBSD02	199904	8.23	354069	9.11	310598	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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 LOWER LIMIT = -0.50 minutes of internal standard RT

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

Lab File ID: VN086940.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	152136	13.788				
UPPER LIMIT	304272	14.288				
LOWER LIMIT	76068	13.288				
EPA SAMPLE NO.						
RW9-MW01D3-20250606	207409	13.79				
RW9-MW01S-20250606	174250	13.79				
VN0611WBL01	257257	13.79				
VN0611WBS02	157403	13.79				
VN0611WBSD02	151691	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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 LOWER 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

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

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:	VN0611WBL01	SDG No.:	Q2263
Lab Sample ID:	VN0611WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

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:	VN0611WBL01	SDG No.:	Q2263
Lab Sample ID:	VN0611WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	328000	8.23				
540-36-3	1,4-Difluorobenzene	619000	9.106				
3114-55-4	Chlorobenzene-d5	543000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.788				

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

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:	VN0611WBL01	SDG No.:	Q2263
Lab Sample ID:	VN0611WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

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:	VN0611WBS02	SDG No.:	Q2263
Lab Sample ID:	VN0611WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.0		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	90.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.5		0.14	0.50	1.00	ug/L

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

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:	VN0611WBS02	SDG No.:	Q2263
Lab Sample ID:	VN0611WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	89.2		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.1		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	207000	8.235				
540-36-3	1,4-Difluorobenzene	371000	9.106				
3114-55-4	Chlorobenzene-d5	321000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788				

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

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:	VN0611WBS02	SDG No.:	Q2263
Lab Sample ID:	VN0611WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

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:	VN0611WBSD02	SDG No.:	Q2263
Lab Sample ID:	VN0611WBSD02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086945.D	1		06/11/25 14:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	15.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	92.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	94.9		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.9		0.14	0.50	1.00	ug/L

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

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:	VN0611WBSD02	SDG No.:	Q2263
Lab Sample ID:	VN0611WBSD02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086945.D	1		06/11/25 14:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	93.8		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	22.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.1		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.9		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	200000	8.229				
540-36-3	1,4-Difluorobenzene	354000	9.106				
3114-55-4	Chlorobenzene-d5	311000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.788				

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

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:	VN0611WBSD02	SDG No.:	Q2263
Lab Sample ID:	VN0611WBSD02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086945.D	1		06/11/25 14:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.538		7.82	20
Chloromethane	0.644	0.555	0.1	-13.82	20
Vinyl Chloride	0.664	0.701		5.57	20
Bromomethane	0.372	0.312		-16.13	20
Chloroethane	0.429	0.457		6.53	20
Trichlorofluoromethane	0.868	0.930		7.14	20
1,1,2-Trichlorotrifluoroethane	0.545	0.582		6.79	20
1,1-Dichloroethene	0.557	0.593		6.46	20
Acetone	0.355	0.384		8.17	20
Carbon Disulfide	1.539	1.505		-2.21	20
Methyl tert-butyl Ether	2.015	2.172		7.79	20
Methyl Acetate	1.035	1.085		4.83	20
Methylene Chloride	0.665	0.673		1.2	20
trans-1,2-Dichloroethene	0.619	0.633		2.26	20
1,1-Dichloroethane	1.120	1.178	0.1	5.18	20
Cyclohexane	1.086	1.017		-6.35	20
2-Butanone	0.577	0.568		-1.56	20
Carbon Tetrachloride	0.433	0.472		9.01	20
cis-1,2-Dichloroethene	0.740	0.793		7.16	20
Bromochloromethane	0.550	0.578		5.09	20
Chloroform	1.118	1.176		5.19	20
1,1,1-Trichloroethane	0.951	0.976		2.63	20
Methylcyclohexane	0.605	0.576		-4.79	20
Benzene	1.444	1.554		7.55	20
1,2-Dichloroethane	0.438	0.472		7.76	20
Trichloroethene	0.342	0.382		11.7	20
1,2-Dichloropropane	0.351	0.384		9.4	20
Bromodichloromethane	0.480	0.532		10.83	20
4-Methyl-2-Pentanone	0.543	0.590		8.66	20
Toluene	0.882	0.978		10.88	20
t-1,3-Dichloropropene	0.537	0.609		13.41	20
cis-1,3-Dichloropropene	0.574	0.661		15.16	20
1,1,2-Trichloroethane	0.340	0.383		12.65	20
2-Hexanone	0.350	0.395		12.86	20
Dibromochloromethane	0.354	0.414		16.95	20
1,2-Dibromoethane	0.348	0.385		10.63	20
Tetrachloroethene	0.316	0.337		6.65	20
Chlorobenzene	1.103	1.222	0.3	10.79	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.059		8.37	20
m/p-Xylenes	0.727	0.802		10.32	20
o-Xylene	0.696	0.782		12.36	20
Styrene	1.192	1.358		13.93	20
Bromoform	0.263	0.319	0.1	21.29	20
Isopropylbenzene	3.643	3.898		7	20
1,1,2,2-Tetrachloroethane	1.234	1.402	0.3	13.61	20
1,3-Dichlorobenzene	1.644	1.843		12.1	20
1,4-Dichlorobenzene	1.676	1.887		12.59	20
1,2-Dichlorobenzene	1.579	1.761		11.53	20
1,2-Dibromo-3-Chloropropane	0.295	0.311		5.42	20
1,2,4-Trichlorobenzene	1.008	1.052		4.36	20
1,2,3-Trichlorobenzene	1.002	0.995		-0.7	20
1,2-Dichloroethane-d4	0.669	0.622		-7.03	20
Dibromofluoromethane	0.296	0.309		4.39	20
Toluene-d8	1.173	1.181		0.68	20
4-Bromofluorobenzene	0.436	0.440		0.92	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 21:23

Lab File ID: VN086965.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.552		10.62	50
Chloromethane	0.644	0.581	0.1	-9.78	50
Vinyl Chloride	0.664	0.712		7.23	50
Bromomethane	0.372	0.246		-33.87	50
Chloroethane	0.429	0.477		11.19	50
Trichlorofluoromethane	0.868	0.969		11.64	50
1,1,2-Trichlorotrifluoroethane	0.545	0.587		7.71	50
1,1-Dichloroethene	0.557	0.599		7.54	50
Acetone	0.355	0.373		5.07	50
Carbon Disulfide	1.539	1.513		-1.75	50
Methyl tert-butyl Ether	2.015	2.289		13.6	50
Methyl Acetate	1.035	1.207		16.62	50
Methylene Chloride	0.665	0.707		6.32	50
trans-1,2-Dichloroethene	0.619	0.653		5.49	50
1,1-Dichloroethane	1.120	1.255	0.1	12.05	50
Cyclohexane	1.086	1.022		-5.89	50
2-Butanone	0.577	0.628		8.84	50
Carbon Tetrachloride	0.433	0.462		6.7	50
cis-1,2-Dichloroethene	0.740	0.824		11.35	50
Bromochloromethane	0.550	0.630		14.55	50
Chloroform	1.118	1.234		10.38	50
1,1,1-Trichloroethane	0.951	1.024		7.68	50
Methylcyclohexane	0.605	0.540		-10.74	50
Benzene	1.444	1.551		7.41	50
1,2-Dichloroethane	0.438	0.472		7.76	50
Trichloroethene	0.342	0.366		7.02	50
1,2-Dichloropropane	0.351	0.381		8.55	50
Bromodichloromethane	0.480	0.537		11.88	50
4-Methyl-2-Pentanone	0.543	0.610		12.34	50
Toluene	0.882	0.953		8.05	50
t-1,3-Dichloropropene	0.537	0.588		9.5	50
cis-1,3-Dichloropropene	0.574	0.623		8.54	50
1,1,2-Trichloroethane	0.340	0.379		11.47	50
2-Hexanone	0.350	0.405		15.71	50
Dibromochloromethane	0.354	0.407		14.97	50
1,2-Dibromoethane	0.348	0.391		12.36	50
Tetrachloroethene	0.316	0.320		1.27	50
Chlorobenzene	1.103	1.173	0.3	6.35	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 21:23

Lab File ID: VN086965.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.012		5.89	50
m/p-Xylenes	0.727	0.775		6.6	50
o-Xylene	0.696	0.766		10.06	50
Styrene	1.192	1.318		10.57	50
Bromoform	0.263	0.313	0.1	19.01	50
Isopropylbenzene	3.643	3.761		3.24	50
1,1,2,2-Tetrachloroethane	1.234	1.414	0.3	14.59	50
1,3-Dichlorobenzene	1.644	1.784		8.52	50
1,4-Dichlorobenzene	1.676	1.781		6.26	50
1,2-Dichlorobenzene	1.579	1.721		8.99	50
1,2-Dibromo-3-Chloropropane	0.295	0.323		9.49	50
1,2,4-Trichlorobenzene	1.008	0.998		-0.99	50
1,2,3-Trichlorobenzene	1.002	0.977		-2.49	50
1,2-Dichloroethane-d4	0.669	0.697		4.18	50
Dibromofluoromethane	0.296	0.314		6.08	50
Toluene-d8	1.173	1.171		-0.17	50
4-Bromofluorobenzene	0.436	0.449		2.98	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

LAB CHRONICLE

OrderID:	Q2263	**OrderDate:**	6/6/2025 12:42:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	D21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2263-01	**RW9-MW01D3-20250606**	**Water**			**06/06/25**			**06/06/25**
			SVOC-SIMGroup1	8270-Modified		06/10/25	06/14/25	
Q2263-02	**RW9-MW01S-20250606**	**Water**			**06/06/25**			**06/06/25**
			SVOC-SIMGroup1	8270-Modified		06/10/25	06/14/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW9-MW01S-20250606								
Q2263-02	RW9-MW01S-20250606 WATER	1,4-Dioxane	0.410		0.07	0.21	0.21	ug/L
		Total Svoc :			**0.41**			
		Total Concentration:			**0.41**			

SAMPLE DATA

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01D3-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-01	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
BN037242.D	1	06/10/25 12:20	06/14/25 01:08	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		115%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	958	7.582				
1146-65-2	Naphthalene-d8	2260	10.361				
15067-26-2	Acenaphthene-d10	1260	14.224				
1517-22-2	Phenanthrene-d10	2160	16.984				
1719-03-5	Chrysene-d12	1830	21.171				
1520-96-3	Perylene-d12	1840	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/06/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/06/25
Client Sample ID:	RW9-MW01S-20250606	SDG No.:	Q2263
Lab Sample ID:	Q2263-02	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
BN037243.D	1	06/10/25 12:20	06/14/25 01:44	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.41		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	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	932	7.582				
1146-65-2	Naphthalene-d8	2360	10.362				
15067-26-2	Acenaphthene-d10	1260	14.224				
1517-22-2	Phenanthrene-d10	2210	16.984				
1719-03-5	Chrysene-d12	1780	21.171				
1520-96-3	Perylene-d12	1750	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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168391BL	PB168391BL	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.26	64		55	111
		2-Fluorobiphenyl	0.4	0.28	69		53	106
		Terphenyl-d14	0.4	0.35	88		58	132
PB168391BS	PB168391BS	2-Methylnaphthalene-d10	0.4	0.39	97		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	92		53	106
		Terphenyl-d14	0.4	0.37	93		58	132
PB168391BSD	PB168391BSD	2-Methylnaphthalene-d10	0.4	0.37	91		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.37	92		58	132
Q2263-01	RW9-MW01D3-20250606	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
		2-Fluorobiphenyl	0.4	0.38	96		53	106
		Terphenyl-d14	0.4	0.46	115		58	132
Q2263-02	RW9-MW01S-20250606	2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.50	125		58	132

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037236.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168391BS	1,4-Dioxane	0.4	0.39	ug/L	98				70	130	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2263

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168391BSD	1,4-Dioxane	0.4	0.42	ug/L	105	7			70	130	20

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168391BL

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

Lab File ID: BN037233.D Lab Sample ID: PB168391BL

Instrument ID: BNA_N Date Extracted: 06/10/2025

Matrix: (soil/water) Water Date Analyzed: 06/13/2025

Level: (low/med) LOW Time Analyzed: 19:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168391BS	PB168391BS	BN037236.D	06/13/2025
PB168391BSD	PB168391BSD	BN037237.D	06/13/2025
RW9-MW01D3-20250606	Q2263-01	BN037242.D	06/14/2025
RW9-MW01S-20250606	Q2263-02	BN037243.D	06/14/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: Q2263 SDG NO.: Q2263

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
51	10.0 - 80.0% of mass 198	80.2
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
127	10.0 - 80.0% of mass 198	56.8
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
275	10.0 - 60.0% of mass 198	26
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	100
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
PB168391BL	PB168391BL	BN037233.D	06/13/2025	19:00
PB168391BS	PB168391BS	BN037236.D	06/13/2025	20:49
PB168391BSD	PB168391BSD	BN037237.D	06/13/2025	21:25
SSTDCCC0.4EC	SSTDCCC0.4	BN037238.D	06/13/2025	22:01

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM SAS No.: Q2263 SDG NO.: Q2263

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
51	10.0 - 80.0% of mass 198	87.1
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
127	10.0 - 80.0% of mass 198	55.2
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
275	10.0 - 60.0% of mass 198	23.4
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	100
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
RW9-MW01D3-20250606	Q2263-01	BN037242.D	06/14/2025	01:08
RW9-MW01S-20250606	Q2263-02	BN037243.D	06/14/2025	01:44
SSTDCCC0.4EC	SSTDCCC0.4	BN037257.D	06/14/2025	10:10

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037227.D Time Analyzed: 14:46

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	1287	7.575	3210	10.36	1738	14.22
	UPPER LIMIT	2574	8.075	6420	10.861	3476	14.724
	LOWER LIMIT	643.5	7.075	1605	9.861	869	13.724
	EPA SAMPLE NO.						
01	PB168391BS	1477	7.58	3518	10.35	1759	14.22
02	PB168391BSD	1340	7.58	3197	10.35	1517	14.22
03	PB168391BL	1036	7.58	2301	10.37	1224	14.23

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037227.D Time Analyzed: 14:46

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	3195	16.971	2284	21.179	2150	23.365
	UPPER LIMIT	6390	17.471	4568	21.679	4300	23.865
	LOWER LIMIT	1597.5	16.471	1142	20.679	1075	22.865
	EPA SAMPLE NO.						
01	PB168391BS	2958	16.97	2090	21.17	1978	23.36
02	PB168391BSD	2544	16.97	1864	21.17	1823	23.36
03	PB168391BL	1841	17.00	1578	21.18	1599	23.37

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

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	RW9-MW01D3-20250606	958	7.58	2256	10.36	1255	14.22
02	RW9-MW01S-20250606	932	7.58	2363	10.36	1257	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG NO.: Q2263

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	RW9-MW01D3-20250606	2156	16.98	1827	21.17	1841	23.36
02	RW9-MW01S-20250606	2205	16.98	1783	21.17	1754	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

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

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:	PB168391BL	SDG No.:	Q2263
Lab Sample ID:	PB168391BL	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
BN037233.D	1	06/10/25 12:20	06/13/25 19:00	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	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		69%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		58 - 132		88%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1040	7.582				
1146-65-2	Naphthalene-d8	2300	10.372				
15067-26-2	Acenaphthene-d10	1220	14.234				
1517-22-2	Phenanthrene-d10	1840	16.996				
1719-03-5	Chrysene-d12	1580	21.18				
1520-96-3	Perylene-d12	1600	23.368				

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

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

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:	PB168391BS	SDG No.:	Q2263
Lab Sample ID:	PB168391BS	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
BN037236.D	1	06/10/25 12:20	06/13/25 20:49	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.39		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		97%	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		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		93%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1480	7.575				
1146-65-2	Naphthalene-d8	3520	10.351				
15067-26-2	Acenaphthene-d10	1760	14.224				
1517-22-2	Phenanthrene-d10	2960	16.971				
1719-03-5	Chrysene-d12	2090	21.171				
1520-96-3	Perylene-d12	1980	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

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

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:	PB168391BSD	SDG No.:	Q2263
Lab Sample ID:	PB168391BSD	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
BN037237.D	1	06/10/25 12:20	06/13/25 21:25	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.42		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		92%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1340	7.575				
1146-65-2	Naphthalene-d8	3200	10.351				
15067-26-2	Acenaphthene-d10	1520	14.224				
1517-22-2	Phenanthrene-d10	2540	16.971				
1719-03-5	Chrysene-d12	1860	21.171				
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

CALIBRATION SUMMARY

Response Factor Report BNA_N

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

Instrument ID: BNA_N Calibration Date/Time: 06/13/2025 22:01

Lab File ID: BN037238.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	0.571		6.3	50.0
Fluoranthene-d10	1.047	1.092		4.4	50.0
2-Fluorophenol	0.982	0.974		-0.8	50.0
Phenol-d6	1.035	0.987		-4.6	50.0
Nitrobenzene-d5	0.395	0.392		-0.8	50.0
2-Fluorobiphenyl	1.681	1.737		3.3	50.0
2,4,6-Tribromophenol	0.166	0.165		-0.6	50.0
Terphenyl-d14	0.904	0.885		-2.1	50.0
1,4-Dioxane	0.549	0.579		5.5	50.0

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

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.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2263 SAS No.: Q2263 SDG No.: Q2263

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.