

LAB CHRONICLE

OrderID:	Q1608	OrderDate:	3/19/2025 2:28:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	I51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1608-01	TT172S1-20250317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-02	RE139D1-20250317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-02DL	RE139D1-20250317D L	Water	VOCMS Group1	8260-Low	03/17/25		03/24/25	03/19/25
Q1608-03	RE139D2-20250317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-03DL	RE139D2-20250317D L	Water	VOCMS Group1	8260-Low	03/17/25		03/24/25	03/19/25
Q1608-04	TT205S1-20250317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-05	DUP07-20250317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-06	TT163S1-20250317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-07	RW11-MW01S-20250 317	Water	VOCMS Group1	8260-Low	03/17/25		03/21/25	03/19/25
Q1608-08	RW11-MW01I-202503 17	Water	VOCMS Group1	8260-Low	03/17/25		03/24/25	03/19/25

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Q1608-09	GM38-RW3-MW1-202 50318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-10	DUP08-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-10DL	DUP08-20250318DL	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/25/25
Q1608-11	RE132D1-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/25/25
Q1608-14	RE132D2-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-14RE	RE132D2-20250318R E	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/25/25
Q1608-15	RE132D3-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-16	RE132D4-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-16DL	RE132D4-20250318D L	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/25/25
Q1608-17	RE132D5-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-17DL	RE132D5-20250318D L	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/25/25
Q1608-18	RE132D6-20250318	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/24/25
Q1608-18DL	RE132D6-20250318D L	Water		03/18/25	03/19/25
			VOCMS Group1	8260-Low	03/25/25

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Q1608-19	RE132D7-20250318	Water			03/18/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-19DL	RE132D7-20250318D L	Water			03/18/25		03/19/25
			VOCMS Group1	8260-Low		03/25/25	
Q1608-20	RE117D2-20250319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-21	TT101D2-20250319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-21DL	TT101D2-20250319DL	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/25/25	
Q1608-22	TT161S1-20250319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-23	TT189D2-20250319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-24	RW8-MW01S-202503 19	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-25	RW8-MW01D1-20250 319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-26	RW8-MW01D2-20250 319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-27	RW8-MW01D3-20250 319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-28	DUP09-20250319	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	
Q1608-29	TB	Water			03/19/25		03/19/25
			VOCMS Group1	8260-Low		03/24/25	

Hit Summary Sheet SW-846

SDG No.: Q1608
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TT172S1-20250317								
Q1608-01	TT172S1-20250317	Water	1,1,2-Trichlorotrifluoroethane	1.20		0.25	0.50	1.00	ug/L
Q1608-01	TT172S1-20250317	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
Q1608-01	TT172S1-20250317	Water	Trichloroethene	33.3		0.090	0.75	1.00	ug/L
Q1608-01	TT172S1-20250317	Water	Toluene	0.37	J	0.14	0.50	1.00	ug/L
Q1608-01	TT172S1-20250317	Water	Tetrachloroethene	1.50		0.23	0.50	1.00	ug/L
			Total Voc :	38.4					
			Total Concentration:	38.4					
Client ID:	RE139D1-20250317								
Q1608-02	RE139D1-20250317	Water	1,1,2-Trichlorotrifluoroethane	6.40		0.25	0.50	1.00	ug/L
Q1608-02	RE139D1-20250317	Water	1,1-Dichloroethene	3.60		0.23	0.75	1.00	ug/L
Q1608-02	RE139D1-20250317	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1608-02	RE139D1-20250317	Water	Carbon Tetrachloride	1.50		0.25	0.50	1.00	ug/L
Q1608-02	RE139D1-20250317	Water	cis-1,2-Dichloroethene	1.50		0.19	0.75	1.00	ug/L
Q1608-02	RE139D1-20250317	Water	Trichloroethene	200	E	0.090	0.75	1.00	ug/L
Q1608-02	RE139D1-20250317	Water	1,1,2-Trichloroethane	0.98	J	0.21	0.50	1.00	ug/L
			Total Voc :	216					
			Total Concentration:	216					
Client ID:	RE139D1-20250317DL								
Q1608-02DL	RE139D1-20250317	Water	1,1,2-Trichlorotrifluoroethane	7.40	D	1.00	2.00	4.00	ug/L
Q1608-02DL	RE139D1-20250317	Water	1,1-Dichloroethene	4.30	D	0.92	3.00	4.00	ug/L
Q1608-02DL	RE139D1-20250317	Water	Trichloroethene	210	D	0.37	3.00	4.00	ug/L
			Total Voc :	222					
			Total Concentration:	222					
Client ID:	RE139D2-20250317								
Q1608-03	RE139D2-20250317	Water	1,1,2-Trichlorotrifluoroethane	7.10		0.25	0.50	1.00	ug/L
Q1608-03	RE139D2-20250317	Water	1,1-Dichloroethene	6.40		0.23	0.75	1.00	ug/L
Q1608-03	RE139D2-20250317	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-03	RE139D2-20250317	Water	Carbon Tetrachloride	1.70		0.25	0.50	1.00	ug/L
Q1608-03	RE139D2-20250317	Water	cis-1,2-Dichloroethene	2.00		0.19	0.75	1.00	ug/L
Q1608-03	RE139D2-20250317	Water	Trichloroethene	200	E	0.090	0.75	1.00	ug/L
			Total Voc :	219					
			Total Concentration:	219					
Client ID:	RE139D2-20250317DL								
Q1608-03DL	RE139D2-20250317	Water	1,1,2-Trichlorotrifluoroethane	7.20	D	1.00	2.00	4.00	ug/L
Q1608-03DL	RE139D2-20250317	Water	1,1-Dichloroethene	6.10	D	0.92	3.00	4.00	ug/L
Q1608-03DL	RE139D2-20250317	Water	Trichloroethene	200	D	0.37	3.00	4.00	ug/L
			Total Voc :	213					
			Total Concentration:	213					

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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TT205S1-20250317								
Q1608-04	TT205S1-20250317	Water	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
Q1608-04	TT205S1-20250317	Water	1,1-Dichloroethene	1.40		0.23	0.75	1.00	ug/L
Q1608-04	TT205S1-20250317	Water	Acetone	2.70	J	1.50	3.80	5.00	ug/L
Q1608-04	TT205S1-20250317	Water	Trichloroethene	38.2		0.090	0.75	1.00	ug/L
			Total Voc :	43.6					
			Total Concentration:	43.6					
Client ID:	DUP07-20250317								
Q1608-05	DUP07-20250317	Water	1,1,2-Trichlorotrifluoroethane	1.00		0.25	0.50	1.00	ug/L
Q1608-05	DUP07-20250317	Water	1,1-Dichloroethene	0.96	J	0.23	0.75	1.00	ug/L
Q1608-05	DUP07-20250317	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q1608-05	DUP07-20250317	Water	Trichloroethene	31.8		0.090	0.75	1.00	ug/L
			Total Voc :	36.0					
			Total Concentration:	36.0					
Client ID:	TT163S1-20250317								
Q1608-06	TT163S1-20250317	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.00					
			Total Concentration:	2.00					
Client ID:	RW11-MW01I-20250317								
Q1608-08	RW11-MW01I-20250317	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					
Client ID:	GM38-RW3-MW1-20250318								
Q1608-09	GM38-RW3-MW1-	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1608-09	GM38-RW3-MW1-	Water	Trichloroethene	18.9		0.090	0.75	1.00	ug/L
Q1608-09	GM38-RW3-MW1-	Water	Tetrachloroethene	1.60		0.23	0.50	1.00	ug/L
			Total Voc :	22.2					
			Total Concentration:	22.2					
Client ID:	DUP08-20250318								
Q1608-10	DUP08-20250318	Water	Dichlorodifluoromethane	1.60		0.22	0.50	1.00	ug/L
Q1608-10	DUP08-20250318	Water	1,1,2-Trichlorotrifluoroethane	12.9		0.25	0.50	1.00	ug/L
Q1608-10	DUP08-20250318	Water	1,1-Dichloroethene	2.70		0.23	0.75	1.00	ug/L
Q1608-10	DUP08-20250318	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1608-10	DUP08-20250318	Water	cis-1,2-Dichloroethene	1.60		0.19	0.75	1.00	ug/L
Q1608-10	DUP08-20250318	Water	Chloroform	1.50		0.25	0.50	1.00	ug/L
Q1608-10	DUP08-20250318	Water	Trichloroethene	160	E	0.090	0.75	1.00	ug/L
			Total Voc :	182					
			Total Concentration:	182					
Client ID:	DUP08-20250318DL								
Q1608-10DL	DUP08-20250318D	Water	1,1,2-Trichlorotrifluoroethane	12.0	D	1.00	2.00	4.00	ug/L

Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1608-10DL	DUP08-20250318	D Water	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
			Total Voc :	162					
			Total Concentration:	162					
Client ID:	RE132D1-20250318								
Q1608-11	RE132D1-20250318	Water	1,1,2-Trichlorotrifluoroethane	4.90		0.25	0.50	1.00	ug/L
Q1608-11	RE132D1-20250318	Water	1,1-Dichloroethene	0.74	J	0.23	0.75	1.00	ug/L
Q1608-11	RE132D1-20250318	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1608-11	RE132D1-20250318	Water	Methyl tert-butyl Ether	0.76	J	0.16	0.50	1.00	ug/L
Q1608-11	RE132D1-20250318	Water	cis-1,2-Dichloroethene	2.20		0.19	0.75	1.00	ug/L
Q1608-11	RE132D1-20250318	Water	Chloroform	2.10		0.25	0.50	1.00	ug/L
Q1608-11	RE132D1-20250318	Water	Trichloroethene	140		0.090	0.75	1.00	ug/L
Q1608-11	RE132D1-20250318	Water	Tetrachloroethene	4.50		0.23	0.50	1.00	ug/L
			Total Voc :	157					
			Total Concentration:	157					
Client ID:	RE132D2-20250318								
Q1608-14	RE132D2-20250318	Water	Dichlorodifluoromethane	1.90		0.22	0.50	1.00	ug/L
Q1608-14	RE132D2-20250318	Water	1,1,2-Trichlorotrifluoroethane	4.90		0.25	0.50	1.00	ug/L
Q1608-14	RE132D2-20250318	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-14	RE132D2-20250318	Water	Trichloroethene	1.20		0.090	0.75	1.00	ug/L
			Total Voc :	9.80					
			Total Concentration:	9.80					
Client ID:	RE132D2-20250318RE								
Q1608-14RE	RE132D2-20250318	Water	Dichlorodifluoromethane	1.70		0.22	0.50	1.00	ug/L
Q1608-14RE	RE132D2-20250318	Water	1,1,2-Trichlorotrifluoroethane	4.40		0.25	0.50	1.00	ug/L
Q1608-14RE	RE132D2-20250318	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-14RE	RE132D2-20250318	Water	Trichloroethene	0.79	J	0.090	0.75	1.00	ug/L
			Total Voc :	8.69					
			Total Concentration:	8.69					
Client ID:	RE132D3-20250318								
Q1608-15	RE132D3-20250318	Water	Dichlorodifluoromethane	1.10		0.22	0.50	1.00	ug/L
Q1608-15	RE132D3-20250318	Water	1,1,2-Trichlorotrifluoroethane	5.60		0.25	0.50	1.00	ug/L
Q1608-15	RE132D3-20250318	Water	Trichloroethene	78.5		0.090	0.75	1.00	ug/L
Q1608-15	RE132D3-20250318	Water	Tetrachloroethene	2.40		0.23	0.50	1.00	ug/L
			Total Voc :	87.6					
			Total Concentration:	87.6					
Client ID:	RE132D4-20250318								
Q1608-16	RE132D4-20250318	Water	Dichlorodifluoromethane	0.57	J	0.22	0.50	1.00	ug/L
Q1608-16	RE132D4-20250318	Water	1,1,2-Trichlorotrifluoroethane	5.20		0.25	0.50	1.00	ug/L
Q1608-16	RE132D4-20250318	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L

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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1608-16	RE132D4-20250318	Water	cis-1,2-Dichloroethene	1.40		0.19	0.75	1.00	ug/L
Q1608-16	RE132D4-20250318	Water	Trichloroethene	170	E	0.090	0.75	1.00	ug/L
Q1608-16	RE132D4-20250318	Water	Tetrachloroethene	4.90		0.23	0.50	1.00	ug/L
Total Voc :				184					
Total Concentration:				184					
Client ID:	RE132D4-20250318DL								
Q1608-16DL	RE132D4-20250318	Water	1,1,2-Trichlorotrifluoroethane	5.70	D	1.00	2.00	4.00	ug/L
Q1608-16DL	RE132D4-20250318	Water	Trichloroethene	170	D	0.37	3.00	4.00	ug/L
Q1608-16DL	RE132D4-20250318	Water	Tetrachloroethene	5.50	D	0.92	2.00	4.00	ug/L
Total Voc :				181					
Total Concentration:				181					
Client ID:	RE132D5-20250318								
Q1608-17	RE132D5-20250318	Water	Dichlorodifluoromethane	1.70		0.22	0.50	1.00	ug/L
Q1608-17	RE132D5-20250318	Water	1,1,2-Trichlorotrifluoroethane	12.4		0.25	0.50	1.00	ug/L
Q1608-17	RE132D5-20250318	Water	1,1-Dichloroethene	2.80		0.23	0.75	1.00	ug/L
Q1608-17	RE132D5-20250318	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-17	RE132D5-20250318	Water	cis-1,2-Dichloroethene	1.70		0.19	0.75	1.00	ug/L
Q1608-17	RE132D5-20250318	Water	Chloroform	1.40		0.25	0.50	1.00	ug/L
Q1608-17	RE132D5-20250318	Water	Trichloroethene	160	E	0.090	0.75	1.00	ug/L
Total Voc :				182					
Total Concentration:				182					
Client ID:	RE132D5-20250318DL								
Q1608-17DL	RE132D5-20250318	Water	1,1,2-Trichlorotrifluoroethane	12.4	D	1.00	2.00	4.00	ug/L
Q1608-17DL	RE132D5-20250318	Water	1,1-Dichloroethene	2.90	JD	0.92	3.00	4.00	ug/L
Q1608-17DL	RE132D5-20250318	Water	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
Total Voc :				165					
Total Concentration:				165					
Client ID:	RE132D6-20250318								
Q1608-18	RE132D6-20250318	Water	1,1,2-Trichlorotrifluoroethane	41.7		0.25	0.50	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1608-18	RE132D6-20250318	Water	Carbon Tetrachloride	2.40		0.25	0.50	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	cis-1,2-Dichloroethene	4.20		0.19	0.75	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	Chloroform	1.90		0.25	0.50	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	Trichloroethene	1600	E	0.090	0.75	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	1,1,2-Trichloroethane	1.40		0.21	0.50	1.00	ug/L
Q1608-18	RE132D6-20250318	Water	Tetrachloroethene	3.30		0.23	0.50	1.00	ug/L
Total Voc :				1670					
Total Concentration:				1670					

Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RE132D6-20250318DL								
Q1608-18DL	RE132D6-20250318	Water	Trichloroethene	1700	D	4.70	37.5	50.0	ug/L
			Total Voc :	1700					
			Total Concentration:	1700					
Client ID:	RE132D7-20250318								
Q1608-19	RE132D7-20250318	Water	1,1,2-Trichlorotrifluoroethane	20.6		0.25	0.50	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	1,1-Dichloroethene	7.10		0.23	0.75	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-19	RE132D7-20250318	Water	1,1-Dichloroethane	1.70		0.23	0.50	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	cis-1,2-Dichloroethene	3.60		0.19	0.75	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	Chloroform	1.40		0.25	0.50	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	Trichloroethene	1400	E	0.090	0.75	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	1,1,2-Trichloroethane	0.91	J	0.21	0.50	1.00	ug/L
Q1608-19	RE132D7-20250318	Water	Tetrachloroethene	3.50		0.23	0.50	1.00	ug/L
			Total Voc :	1440					
			Total Concentration:	1440					
Client ID:	RE132D7-20250318DL								
Q1608-19DL	RE132D7-20250318	Water	Trichloroethene	1300	D	1.90	15.0	20.0	ug/L
			Total Voc :	1300					
			Total Concentration:	1300					
Client ID:	RE117D2-20250319								
Q1608-20	RE117D2-20250319	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
Q1608-20	RE117D2-20250319	Water	Trichloroethene	6.20		0.090	0.75	1.00	ug/L
			Total Voc :	8.60					
			Total Concentration:	8.60					
Client ID:	TT101D2-20250319								
Q1608-21	TT101D2-20250319	Water	1,1,2-Trichlorotrifluoroethane	37.5		0.25	0.50	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-21	TT101D2-20250319	Water	1,1-Dichloroethane	2.00		0.23	0.50	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	cis-1,2-Dichloroethene	3.80		0.19	0.75	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	Chloroform	1.30		0.25	0.50	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	Trichloroethene	1500	E	0.090	0.75	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	1,1,2-Trichloroethane	1.00		0.21	0.50	1.00	ug/L
Q1608-21	TT101D2-20250319	Water	Tetrachloroethene	4.90		0.23	0.50	1.00	ug/L
			Total Voc :	1560					
			Total Concentration:	1560					

Hit Summary Sheet
SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: TT101D2-20250319DL									
Q1608-21DL	TT101D2-20250319	Water	1,1,2-Trichlorotrifluoroethane	33.8	JD	10.0	20.0	40.0	ug/L
Q1608-21DL	TT101D2-20250319	Water	1,1-Dichloroethene	10.4	JD	9.20	30.0	40.0	ug/L
Q1608-21DL	TT101D2-20250319	Water	Trichloroethene	1400	D	3.70	30.0	40.0	ug/L
Total Voc :				1440					
Total Concentration:				1440					
Client ID: TT161S1-20250319									
Q1608-22	TT161S1-20250319	Water	1,1-Dichloroethene	0.68	J	0.23	0.75	1.00	ug/L
Q1608-22	TT161S1-20250319	Water	Acetone	1.50	J	1.50	3.80	5.00	ug/L
Q1608-22	TT161S1-20250319	Water	Methyl tert-butyl Ether	0.77	J	0.16	0.50	1.00	ug/L
Q1608-22	TT161S1-20250319	Water	1,1-Dichloroethane	2.70		0.23	0.50	1.00	ug/L
Q1608-22	TT161S1-20250319	Water	Trichloroethene	6.30		0.090	0.75	1.00	ug/L
Total Voc :				11.9					
Total Concentration:				11.9					
Client ID: TT189D2-20250319									
Q1608-23	TT189D2-20250319	Water	1,1,2-Trichlorotrifluoroethane	23.1		0.25	0.50	1.00	ug/L
Q1608-23	TT189D2-20250319	Water	1,1-Dichloroethene	1.70		0.23	0.75	1.00	ug/L
Q1608-23	TT189D2-20250319	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
Q1608-23	TT189D2-20250319	Water	cis-1,2-Dichloroethene	3.30		0.19	0.75	1.00	ug/L
Q1608-23	TT189D2-20250319	Water	Trichloroethene	100		0.090	0.75	1.00	ug/L
Q1608-23	TT189D2-20250319	Water	Tetrachloroethene	0.48	J	0.23	0.50	1.00	ug/L
Total Voc :				131					
Total Concentration:				131					
Client ID: RW8-MW01S-20250319									
Q1608-24	RW8-MW01S-2025	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1608-24	RW8-MW01S-2025	Water	Trichloroethene	1.70		0.090	0.75	1.00	ug/L
Total Voc :				3.40					
Total Concentration:				3.40					
Client ID: RW8-MW01D1-20250319									
Q1608-25	RW8-MW01D1-2025	Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L
Q1608-25	RW8-MW01D1-2025	Water	Trichloroethene	1.10		0.090	0.75	1.00	ug/L
Total Voc :				3.20					
Total Concentration:				3.20					
Client ID: RW8-MW01D2-20250319									
Q1608-26	RW8-MW01D2-2025	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-26	RW8-MW01D2-2025	Water	Trichloroethene	0.71	J	0.090	0.75	1.00	ug/L
Total Voc :				2.51					
Total Concentration:				2.51					
Client ID: RW8-MW01D3-20250319									
Q1608-27	RW8-MW01D3-2025	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1608-27	RW8-MW01D3-202	Water	Trichloroethene	0.66	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.36					
			Total Concentration:	2.36					
Client ID:	DUP09-20250319								
Q1608-28	DUP09-20250319	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q1608-28	DUP09-20250319	Water	Trichloroethene	0.51	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.71					
			Total Concentration:	2.71					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT172S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045394.D	1		03/21/25 17:35	VX032125

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	1.20		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	2.00	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	33.3		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	0.37	J	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT172S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045394.D	1		03/21/25 17:35	VX032125

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	1.50		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	58.3		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66200	5.544				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51500	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT172S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045394.D	1		03/21/25 17:35	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045395.D	1		03/21/25 17:58	VX032125

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	6.40		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.60		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	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	1.50		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.50		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	200	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045395.D	1		03/21/25 17:58	VX032125

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	0.98	J	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	58.6		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64900	5.55				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48900	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045395.D	1		03/21/25 17:58	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045408.D	4		03/24/25 12:34	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	7.40	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	4.30	D	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UD	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	210	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045408.D	4		03/24/25 12:34	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	2.00	UD	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.4		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65500	5.544				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045408.D	4		03/24/25 12:34	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045396.D	1		03/21/25 18:21	VX032125

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	7.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	6.40		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.70		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		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	200	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045396.D	1		03/21/25 18:21	VX032125

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	59.5	*	81 - 118		119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66400	5.544				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045396.D	1		03/21/25 18:21	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045409.D	4		03/24/25 12:57	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	7.20	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	6.10	D	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UD	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	200	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045409.D	4		03/24/25 12:57	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	2.00	UD	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	46300	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045409.D	4		03/24/25 12:57	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT205S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045397.D	1		03/21/25 18:44	VX032125

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	1.30		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.40		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.70	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	38.2		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT205S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045397.D	1		03/21/25 18:44	VX032125

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	57.2		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68200	5.544				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	44700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT205S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045397.D	1		03/21/25 18:44	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP07-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045398.D	1		03/21/25 19:08	VX032125

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	1.00		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.96	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.20	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	31.8		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP07-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045398.D	1		03/21/25 19:08	VX032125

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	57.4		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72200	5.544				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	130000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP07-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045398.D	1		03/21/25 19:08	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT163S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045399.D	1		03/21/25 19:31	VX032125

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	2.00	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT163S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045399.D	1		03/21/25 19:31	VX032125

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	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64600	5.55				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	44700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT163S1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045399.D	1		03/21/25 19:31	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW11-MW01S-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-07		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045400.D	1		03/21/25 19:54	VX032125

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW11-MW01S-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-07		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045400.D	1		03/21/25 19:54	VX032125

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	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64900	5.544				
540-36-3	1,4-Difluorobenzene	125000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47300	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW11-MW01S-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-07		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045400.D	1		03/21/25 19:54	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW11-MW011-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045411.D	1		03/24/25 13:44	VX032425

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW11-MW011-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045411.D	1		03/24/25 13:44	VX032425

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	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69300	5.544				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47800	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW11-MW011-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-08		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045411.D	1		03/24/25 13:44	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	GM38-RW3-MW1-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-09		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045412.D	1		03/24/25 14:07	VX032425

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	1.70	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	18.9		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	GM38-RW3-MW1-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-09		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045412.D	1		03/24/25 14:07	VX032425

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	1.60		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	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72500	5.543				
540-36-3	1,4-Difluorobenzene	143000	6.757				
3114-55-4	Chlorobenzene-d5	129000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	52100	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	GM38-RW3-MW1-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-09		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045412.D	1		03/24/25 14:07	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP08-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-10		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045413.D	1		03/24/25 14:30	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.60		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	12.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.70		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	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	1.60		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	1.50		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	160	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP08-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-10		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045413.D	1		03/24/25 14:30	VX032425

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	57.4		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66400	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	119000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	45400	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP08-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-10		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045413.D	1		03/24/25 14:30	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP08-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-10DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045435.D	4		03/25/25 13:12	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	12.0	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	3.00	UD	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UDQ	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP08-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-10DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045435.D	4		03/25/25 13:12	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	2.00	UD	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66900	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49900	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP08-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-10DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045435.D	4		03/25/25 13:12	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-11		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045452.D	1		03/25/25 19:51	VX032525

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	4.90		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.74	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.70	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	0.76	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	UQ	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	2.20		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	2.10		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	140		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-11		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045452.D	1		03/25/25 19:51	VX032525

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	4.50		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	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72200	5.544				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48200	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-11		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045452.D	1		03/25/25 19:51	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045414.D	1		03/24/25 14:54	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.90		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	4.90		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	1.80	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	1.20		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045414.D	1		03/24/25 14:54	VX032425

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	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66900	5.544				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045414.D	1		03/24/25 14:54	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318RE		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14RE		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045441.D	1		03/25/25 15:36	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.70		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	4.40		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	1.80	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	UQ	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	0.79	J	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318RE		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14RE		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045441.D	1		03/25/25 15:36	VX032525

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	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	81800	5.543				
540-36-3	1,4-Difluorobenzene	158000	6.757				
3114-55-4	Chlorobenzene-d5	147000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318RE		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14RE		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045441.D	1		03/25/25 15:36	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D3-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-15		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045415.D	1		03/24/25 15:17	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		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	5.60		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	78.5		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D3-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-15		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045415.D	1		03/24/25 15:17	VX032425

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	2.40		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	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69300	5.55				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	47100	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D3-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-15		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045415.D	1		03/24/25 15:17	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D4-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-16		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045416.D	1		03/24/25 15:41	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.57	J	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	5.20		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	1.60	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	1.40		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	170	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D4-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-16		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045416.D	1		03/24/25 15:41	VX032425

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	4.90		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	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	74800	5.543				
540-36-3	1,4-Difluorobenzene	145000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	54700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D4-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-16		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045416.D	1		03/24/25 15:41	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D4-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-16DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045442.D	4		03/25/25 15:59	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.70	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	3.00	UD	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UDQ	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	170	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D4-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-16DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045442.D	4		03/25/25 15:59	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	5.50	D	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69500	5.544				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D4-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-16DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045442.D	4		03/25/25 15:59	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D5-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-17		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045417.D	1		03/24/25 16:04	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.70		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	12.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.80		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.70		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	1.40		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	160	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D5-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-17		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045417.D	1		03/24/25 16:04	VX032425

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	57.7		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64800	5.55				
540-36-3	1,4-Difluorobenzene	129000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50400	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D5-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-17		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045417.D	1		03/24/25 16:04	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D5-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-17DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045437.D	4		03/25/25 14:03	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	12.4	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	2.90	JD	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UDQ	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D5-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-17DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045437.D	4		03/25/25 14:03	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	2.00	UD	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	47.5		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.544				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50400	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D5-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-17DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045437.D	4		03/25/25 14:03	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D6-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-18		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045418.D	1		03/24/25 16:27	VX032425

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	41.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	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	2.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.20		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	1.90		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	1600	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D6-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-18		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045418.D	1		03/24/25 16:27	VX032425

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	1.40		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	3.30		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	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67600	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	119000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D6-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-18		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045418.D	1		03/24/25 16:27	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D6-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-18DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045440.D	50		03/25/25 15:13	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	25.0	UD	11.0	25.0	50.0	ug/L
74-87-3	Chloromethane	25.0	UD	16.0	25.0	50.0	ug/L
75-01-4	Vinyl Chloride	37.5	UD	13.0	37.5	50.0	ug/L
74-83-9	Bromomethane	190	UD	72.0	190	250	ug/L
75-00-3	Chloroethane	37.5	UD	23.5	37.5	50.0	ug/L
75-69-4	Trichlorofluoromethane	25.0	UD	16.5	25.0	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.0	UD	12.5	25.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	37.5	UD	11.5	37.5	50.0	ug/L
67-64-1	Acetone	190	UD	75.5	190	250	ug/L
75-15-0	Carbon Disulfide	37.5	UD	10.5	37.5	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	25.0	UD	8.00	25.0	50.0	ug/L
79-20-9	Methyl Acetate	37.5	UDQ	13.5	37.5	50.0	ug/L
75-09-2	Methylene Chloride	25.0	UD	14.0	25.0	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	25.0	UD	11.5	25.0	50.0	ug/L
75-34-3	1,1-Dichloroethane	25.0	UD	11.5	25.0	50.0	ug/L
110-82-7	Cyclohexane	130	UD	72.5	130	250	ug/L
78-93-3	2-Butanone	130	UD	49.0	130	250	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	12.5	25.0	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	37.5	UD	9.50	37.5	50.0	ug/L
74-97-5	Bromochloromethane	25.0	UD	11.0	25.0	50.0	ug/L
67-66-3	Chloroform	25.0	UD	12.5	25.0	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	25.0	UD	10.0	25.0	50.0	ug/L
108-87-2	Methylcyclohexane	25.0	UD	8.00	25.0	50.0	ug/L
71-43-2	Benzene	25.0	UD	7.50	25.0	50.0	ug/L
107-06-2	1,2-Dichloroethane	25.0	UD	11.0	25.0	50.0	ug/L
79-01-6	Trichloroethene	1700	D	4.70	37.5	50.0	ug/L
78-87-5	1,2-Dichloropropane	25.0	UD	10.0	25.0	50.0	ug/L
75-27-4	Bromodichloromethane	25.0	UD	11.0	25.0	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	130	UD	34.0	130	250	ug/L
108-88-3	Toluene	25.0	UD	7.00	25.0	50.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D6-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-18DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045440.D	50		03/25/25 15:13	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	25.0	UD	8.50	25.0	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	25.0	UD	8.00	25.0	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	25.0	UD	10.5	25.0	50.0	ug/L
591-78-6	2-Hexanone	130	UD	44.5	130	250	ug/L
124-48-1	Dibromochloromethane	25.0	UD	9.00	25.0	50.0	ug/L
106-93-4	1,2-Dibromoethane	25.0	UD	7.50	25.0	50.0	ug/L
127-18-4	Tetrachloroethene	25.0	UD	11.5	25.0	50.0	ug/L
108-90-7	Chlorobenzene	25.0	UD	6.00	25.0	50.0	ug/L
100-41-4	Ethyl Benzene	25.0	UD	6.50	25.0	50.0	ug/L
179601-23-1	m/p-Xylenes	50.0	UD	12.0	50.0	100	ug/L
95-47-6	o-Xylene	25.0	UD	6.00	25.0	50.0	ug/L
100-42-5	Styrene	25.0	UD	7.50	25.0	50.0	ug/L
75-25-2	Bromoform	25.0	UD	9.50	25.0	50.0	ug/L
98-82-8	Isopropylbenzene	25.0	UD	6.00	25.0	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	25.0	UD	13.0	25.0	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	25.0	UD	9.50	25.0	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	37.5	UD	26.5	37.5	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	25.0	UD	10.0	25.0	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	37.5	UD	10.0	37.5	50.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	47.0		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64400	5.544				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	113000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	42200	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D6-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-18DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045440.D	50		03/25/25 15:13	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D7-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-19		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045419.D	1		03/24/25 16:50	VX032425

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	20.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	7.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.70		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	1.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.60		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	1.40		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	1400	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D7-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-19		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045419.D	1		03/24/25 16:50	VX032425

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	0.91	J	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	3.50		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	55.8		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D7-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-19		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045419.D	1		03/24/25 16:50	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D7-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-19DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045438.D	20		03/25/25 14:26	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	UD	4.40	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	UD	6.40	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	UD	5.20	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	UD	28.8	75.0	100	ug/L
75-00-3	Chloroethane	15.0	UD	9.40	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	6.60	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	UD	4.60	15.0	20.0	ug/L
67-64-1	Acetone	75.0	UD	30.2	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	UD	4.20	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	UDQ	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	4.40	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	UD	5.00	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	4.00	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	3.20	10.0	20.0	ug/L
71-43-2	Benzene	10.0	UD	3.00	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	4.40	10.0	20.0	ug/L
79-01-6	Trichloroethene	1300	D	1.90	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	4.00	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	4.40	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	13.6	50.0	100	ug/L
108-88-3	Toluene	10.0	UD	2.80	10.0	20.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D7-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-19DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045438.D	20		03/25/25 14:26	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	UD	3.40	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	3.20	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	UD	17.8	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	UD	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	3.00	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	UD	4.60	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	2.40	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	2.60	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	4.80	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	UD	2.40	10.0	20.0	ug/L
100-42-5	Styrene	10.0	UD	3.00	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	UD	3.80	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.40	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	5.20	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	3.80	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	UD	10.6	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.00	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	UD	4.00	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72400	5.544				
540-36-3	1,4-Difluorobenzene	143000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51900	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D7-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-19DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045438.D	20		03/25/25 14:26	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE117D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-20		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045420.D	1		03/24/25 17:14	VX032425

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	2.40	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	6.20		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE117D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-20		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045420.D	1		03/24/25 17:14	VX032425

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	56.0		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69700	5.55				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50100	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE117D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-20		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045420.D	1		03/24/25 17:14	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045421.D	1		03/24/25 17:37	VX032425

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	37.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	2.00		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	1.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80		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	1.30		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	1500	E	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045421.D	1		03/24/25 17:37	VX032425

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	1.00		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	4.90		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	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65600	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47600	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045421.D	1		03/24/25 17:37	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0	UD	8.80	20.0	40.0	ug/L
74-87-3	Chloromethane	20.0	UD	12.8	20.0	40.0	ug/L
75-01-4	Vinyl Chloride	30.0	UD	10.4	30.0	40.0	ug/L
74-83-9	Bromomethane	150	UD	57.6	150	200	ug/L
75-00-3	Chloroethane	30.0	UD	18.8	30.0	40.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	13.2	20.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	33.8	JD	10.0	20.0	40.0	ug/L
75-35-4	1,1-Dichloroethene	10.4	JD	9.20	30.0	40.0	ug/L
67-64-1	Acetone	150	UD	60.4	150	200	ug/L
75-15-0	Carbon Disulfide	30.0	UD	8.40	30.0	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	6.40	20.0	40.0	ug/L
79-20-9	Methyl Acetate	30.0	UDQ	10.8	30.0	40.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	11.2	20.0	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	9.20	20.0	40.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	9.20	20.0	40.0	ug/L
110-82-7	Cyclohexane	100	UD	58.0	100	200	ug/L
78-93-3	2-Butanone	100	UD	39.2	100	200	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	10.0	20.0	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	30.0	UD	7.60	30.0	40.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	8.80	20.0	40.0	ug/L
67-66-3	Chloroform	20.0	UD	10.0	20.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	8.00	20.0	40.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	6.40	20.0	40.0	ug/L
71-43-2	Benzene	20.0	UD	6.00	20.0	40.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	8.80	20.0	40.0	ug/L
79-01-6	Trichloroethene	1400	D	3.70	30.0	40.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	8.00	20.0	40.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	8.80	20.0	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	27.2	100	200	ug/L
108-88-3	Toluene	20.0	UD	5.60	20.0	40.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	UD	6.80	20.0	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	6.40	20.0	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	8.40	20.0	40.0	ug/L
591-78-6	2-Hexanone	100	UD	35.6	100	200	ug/L
124-48-1	Dibromochloromethane	20.0	UD	7.20	20.0	40.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	6.00	20.0	40.0	ug/L
127-18-4	Tetrachloroethene	20.0	UD	9.20	20.0	40.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	4.80	20.0	40.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	5.20	20.0	40.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	9.60	40.0	80.0	ug/L
95-47-6	o-Xylene	20.0	UD	4.80	20.0	40.0	ug/L
100-42-5	Styrene	20.0	UD	6.00	20.0	40.0	ug/L
75-25-2	Bromoform	20.0	UD	7.60	20.0	40.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.80	20.0	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	10.4	20.0	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	6.40	20.0	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	7.60	20.0	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	6.40	20.0	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	30.0	UD	21.2	30.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	8.00	20.0	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	30.0	UD	8.00	30.0	40.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70700	5.544				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54200	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT161S1-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-22		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045422.D	1		03/24/25 18:00	VX032425

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	0.68	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.50	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	0.77	J	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	2.70		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	6.30		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT161S1-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-22		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045422.D	1		03/24/25 18:00	VX032425

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	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67900	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT161S1-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-22		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045422.D	1		03/24/25 18:00	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT189D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-23		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045423.D	1		03/24/25 18:23	VX032425

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	23.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.70		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.40	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	3.30		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	100		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT189D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-23		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045423.D	1		03/24/25 18:23	VX032425

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	0.48	J	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	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64300	5.55				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	114000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	45600	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT189D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-23		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045423.D	1		03/24/25 18:23	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01S-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-24		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045424.D	1		03/24/25 18:46	VX032425

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	1.70	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	1.70		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01S-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-24		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045424.D	1		03/24/25 18:46	VX032425

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	58.0		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67000	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01S-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-24		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045424.D	1		03/24/25 18:46	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D1-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-25		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045425.D	1		03/24/25 19:10	VX032425

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	2.10	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	1.10		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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D1-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-25		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045425.D	1		03/24/25 19:10	VX032425

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	54.3		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	73400	5.55				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49500	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D1-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-25		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045425.D	1		03/24/25 19:10	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-26		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045426.D	1		03/24/25 19:33	VX032425

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	1.80	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	0.71	J	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-26		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045426.D	1		03/24/25 19:33	VX032425

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	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	78100	5.55				
540-36-3	1,4-Difluorobenzene	151000	6.757				
3114-55-4	Chlorobenzene-d5	136000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	56800	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-26		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045426.D	1		03/24/25 19:33	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D3-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-27		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045427.D	1		03/24/25 19:56	VX032425

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	1.70	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	0.66	J	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D3-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-27		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045427.D	1		03/24/25 19:56	VX032425

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	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66000	5.544				
540-36-3	1,4-Difluorobenzene	129000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	46300	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RW8-MW01D3-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-27		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045427.D	1		03/24/25 19:56	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP09-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-28		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045428.D	1		03/24/25 20:19	VX032425

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	2.20	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	0.51	J	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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP09-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-28		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045428.D	1		03/24/25 20:19	VX032425

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	57.0		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	63300	5.549				
540-36-3	1,4-Difluorobenzene	123000	6.756				
3114-55-4	Chlorobenzene-d5	112000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	42500	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	DUP09-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-28		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045428.D	1		03/24/25 20:19	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
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 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TB		SDG No.:	Q1608	
Lab Sample ID:	Q1608-29		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045410.D	1		03/24/25 13:20	VX032425

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TB		SDG No.:	Q1608	
Lab Sample ID:	Q1608-29		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045410.D	1		03/24/25 13:20	VX032425

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	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	77000	5.55				
540-36-3	1,4-Difluorobenzene	150000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52400	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TB		SDG No.:	Q1608	
Lab Sample ID:	Q1608-29		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045410.D	1		03/24/25 13:20	VX032425

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

SDG No.: **Q1608**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1608-01	TT172S1-20250317	1,2-Dichloroethane-d4	50	58.3	117	81	118
		Dibromofluoromethane	50	53.8	108	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	55.9	112	85	114
Q1608-02	RE139D1-20250317	1,2-Dichloroethane-d4	50	58.6	117	81	118
		Dibromofluoromethane	50	53.7	107	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	55.4	111	85	114
Q1608-02DL	RE139D1-20250317DL	1,2-Dichloroethane-d4	50	58.4	117	81	118
		Dibromofluoromethane	50	53.3	107	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	54.6	109	85	114
Q1608-03	RE139D2-20250317	1,2-Dichloroethane-d4	50	59.5	119 *	81	118
		Dibromofluoromethane	50	54.5	109	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
Q1608-03DL	RE139D2-20250317DL	1,2-Dichloroethane-d4	50	57.1	114	81	118
		Dibromofluoromethane	50	53.9	108	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1608-04	TT205S1-20250317	1,2-Dichloroethane-d4	50	57.2	114	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q1608-05	DUP07-20250317	1,2-Dichloroethane-d4	50	57.4	115	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
Q1608-06	TT163S1-20250317	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1608-07	RW11-MW01S-20250317	1,2-Dichloroethane-d4	50	57.8	116	81	118
		Dibromofluoromethane	50	54.2	108	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
Q1608-08	RW11-MW01I-20250317	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1608-09	GM38-RW3-MW1-20250318	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	52.2	104	85	114
Q1608-10	DUP08-20250318	1,2-Dichloroethane-d4	50	57.4	115	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1608-10DL	DUP08-20250318DL	1,2-Dichloroethane-d4	50	54.7	109	81	118
		Dibromofluoromethane	50	48.3	97	80	119

Surrogate Summary

SDG No.: **Q1608**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1608-10DL	DUP08-20250318DL	Toluene-d8	50	47.8	96	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
Q1608-11	RE132D1-20250318	1,2-Dichloroethane-d4	50	52.8	106	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
Q1608-12MS	RE132D1-20250318MS	1,2-Dichloroethane-d4	50	56.7	113	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	57.4	115 *	85	114
Q1608-13MSD	RE132D1-20250318MSD	1,2-Dichloroethane-d4	50	56.3	113	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	56.7	113	85	114
Q1608-14	RE132D2-20250318	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	53.3	107	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	53.6	107	85	114
Q1608-14RE	RE132D2-20250318RE	1,2-Dichloroethane-d4	50	52.8	106	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	47.8	96	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q1608-15	RE132D3-20250318	1,2-Dichloroethane-d4	50	56.6	113	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q1608-16	RE132D4-20250318	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	52.9	106	85	114
Q1608-16DL	RE132D4-20250318DL	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	48.5	97	80	119
		Toluene-d8	50	48.0	96	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
Q1608-17	RE132D5-20250318	1,2-Dichloroethane-d4	50	57.7	115	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	55.0	110	85	114
Q1608-17DL	RE132D5-20250318DL	1,2-Dichloroethane-d4	50	52.9	106	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	47.5	95	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q1608-18	RE132D6-20250318	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	48.2	96	89	112
		4-Bromofluorobenzene	50	53.3	107	85	114
Q1608-18DL	RE132D6-20250318DL	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	48.2	96	80	119
		Toluene-d8	50	47.0	94	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114

Surrogate Summary

SDG No.: **Q1608**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1608-19	RE132D7-20250318	1,2-Dichloroethane-d4	50	55.8	112	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1608-19DL	RE132D7-20250318DL	1,2-Dichloroethane-d4	50	53.9	108	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	47.4	95	89	112
		4-Bromofluorobenzene	50	51.1	102	85	114
Q1608-20	RE117D2-20250319	1,2-Dichloroethane-d4	50	56.0	112	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	53.2	106	85	114
Q1608-21	TT101D2-20250319	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	47.8	96	89	112
		4-Bromofluorobenzene	50	51.9	104	85	114
Q1608-21DL	TT101D2-20250319DL	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	48.4	97	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q1608-22	TT161S1-20250319	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	48.3	97	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
Q1608-23	TT189D2-20250319	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	48.9	98	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q1608-24	RW8-MW01S-20250319	1,2-Dichloroethane-d4	50	58.0	116	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	53.1	106	85	114
Q1608-25	RW8-MW01D1-20250319	1,2-Dichloroethane-d4	50	54.3	109	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	48.2	96	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
Q1608-26	RW8-MW01D2-20250319	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q1608-27	RW8-MW01D3-20250319	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1608-28	DUP09-20250319	1,2-Dichloroethane-d4	50	57.0	114	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1608-29	TB	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	52.2	104	80	119

Surrogate Summary

SDG No.: **Q1608**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1608-29	TB	Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.5	103	85	114
VX0321WBL01	VX0321WBL01	1,2-Dichloroethane-d4	50	56.9	114	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	56.1	112	85	114
VX0321WBS01	VX0321WBS01	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	54.1	108	80	119
		Toluene-d8	50	51.3	102	89	112
		4-Bromofluorobenzene	50	54.7	109	85	114
VX0324WBL01	VX0324WBL01	1,2-Dichloroethane-d4	50	58.0	116	81	118
		Dibromofluoromethane	50	53.6	107	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
VX0324WBS01	VX0324WBS01	1,2-Dichloroethane-d4	50	57.0	114	81	118
		Dibromofluoromethane	50	56.2	112	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	55.9	112	85	114
VX0325WBL01	VX0325WBL01	1,2-Dichloroethane-d4	50	58.3	117	81	118
		Dibromofluoromethane	50	54.2	108	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	54.8	110	85	114
VX0325WBS02	VX0325WBS02	1,2-Dichloroethane-d4	50	56.6	113	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	54.3	109	85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
Lab Sample ID :	Q1608-12MS	Client Sample ID :	RE132D1-20250318MS						Datafile :	VX045453.D	
Dichlorodifluoromethane	50	0	63.1	ug/L	126				32	152	
Chloromethane	50	0	54.1	ug/L	108				50	139	
Vinyl chloride	50	0	49.4	ug/L	99				58	137	
Bromomethane	50	0	56.7	ug/L	113				53	141	
Chloroethane	50	0	56.0	ug/L	112				60	138	
Trichlorofluoromethane	50	0	53.8	ug/L	108				65	141	
1,1,2-Trichlorotrifluoroethane	50	4.90	62.5	ug/L	115				70	136	
1,1-Dichloroethene	50	0.74	53.5	ug/L	106				71	131	
Acetone	250	1.70	270	ug/L	107				39	160	
Carbon disulfide	50	0	47.8	ug/L	96				64	133	
Methyl tert-butyl Ether	50	0.76	53.4	ug/L	105				71	124	
Methyl Acetate	50	0	46.2	ug/L	92				56	136	
Methylene Chloride	50	0	50.6	ug/L	101				74	124	
trans-1,2-Dichloroethene	50	0	53.4	ug/L	107				75	124	
1,1-Dichloroethane	50	0	53.7	ug/L	107				77	125	
Cyclohexane	50	0	54.8	ug/L	110				71	130	
2-Butanone	250	0	280	ug/L	112				56	143	
Carbon Tetrachloride	50	0	55.6	ug/L	111				72	136	
cis-1,2-Dichloroethene	50	2.20	54.6	ug/L	105				78	123	
Bromochloromethane	50	0	55.1	ug/L	110				78	123	
Chloroform	50	2.10	56.5	ug/L	109				79	124	
1,1,1-Trichloroethane	50	0	56.4	ug/L	113				74	131	
Methylcyclohexane	50	0	55.8	ug/L	112				72	132	
Benzene	50	0	52.3	ug/L	105				79	120	
1,2-Dichloroethane	50	0	58.4	ug/L	117				73	128	
Trichloroethene	50	140	180	ug/L	80				79	123	
1,2-Dichloropropane	50	0	50.4	ug/L	101				78	122	
Bromodichloromethane	50	0	54.7	ug/L	109				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	53.4	ug/L	107				80	121	
t-1,3-Dichloropropene	50	0	54.4	ug/L	109				73	127	
cis-1,3-Dichloropropene	50	0	53.1	ug/L	106				75	124	
1,1,2-Trichloroethane	50	0	52.9	ug/L	106				80	119	
2-Hexanone	250	0	300	ug/L	120				57	139	
Dibromochloromethane	50	0	54.1	ug/L	108				74	126	
1,2-Dibromoethane	50	0	53.8	ug/L	108				77	121	
Tetrachloroethene	50	4.50	58.2	ug/L	107				74	129	
Chlorobenzene	50	0	51.8	ug/L	104				82	118	
Ethyl Benzene	50	0	54.0	ug/L	108				79	121	
m/p-Xylenes	100	0	110	ug/L	110				80	121	
o-Xylene	50	0	52.0	ug/L	104				78	122	
Styrene	50	0	55.7	ug/L	111				78	123	
Bromoform	50	0	54.7	ug/L	109				66	130	
Isopropylbenzene	50	0	51.7	ug/L	103				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.4	ug/L	101				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD		Limits	
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	51.3	ug/L	103					80	119
1,4-Dichlorobenzene	50	0	50.0	ug/L	100					79	118
1,2-Dichlorobenzene	50	0	51.6	ug/L	103					80	119
1,2-Dibromo-3-Chloropropane	50	0	56.1	ug/L	112					62	128
1,2,4-Trichlorobenzene	50	0	50.9	ug/L	102					69	130
1,2,3-Trichlorobenzene	50	0	49.8	ug/L	100					69	129

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
Lab Sample ID :	Q1608-13MSD	Client Sample ID :	RE132D1-20250318MSD					Datafile :	VX045454.D		
Dichlorodifluoromethane	50	0	62.5	ug/L	125		1		32	152	20
Chloromethane	50	0	52.3	ug/L	105		3		50	139	20
Vinyl chloride	50	0	48.2	ug/L	96		2		58	137	20
Bromomethane	50	0	56.7	ug/L	113		0		53	141	20
Chloroethane	50	0	53.8	ug/L	108		4		60	138	20
Trichlorofluoromethane	50	0	53.6	ug/L	107		0		65	141	20
1,1,2-Trichlorotrifluoroethane	50	4.90	61.5	ug/L	113		2		70	136	20
1,1-Dichloroethene	50	0.74	52.9	ug/L	104		2		71	131	20
Acetone	250	1.70	260	ug/L	103		4		39	160	20
Carbon disulfide	50	0	49.1	ug/L	98		3		64	133	20
Methyl tert-butyl Ether	50	0.76	54.9	ug/L	108		3		71	124	20
Methyl Acetate	50	0	46.6	ug/L	93		1		56	136	20
Methylene Chloride	50	0	51.4	ug/L	103		2		74	124	20
trans-1,2-Dichloroethene	50	0	53.8	ug/L	108		1		75	124	20
1,1-Dichloroethane	50	0	53.8	ug/L	108		0		77	125	20
Cyclohexane	50	0	55.4	ug/L	111		1		71	130	20
2-Butanone	250	0	270	ug/L	108		4		56	143	20
Carbon Tetrachloride	50	0	58.1	ug/L	116		4		72	136	20
cis-1,2-Dichloroethene	50	2.20	54.9	ug/L	105		0		78	123	20
Bromochloromethane	50	0	49.4	ug/L	99		11		78	123	20
Chloroform	50	2.10	57.4	ug/L	111		2		79	124	20
1,1,1-Trichloroethane	50	0	57.6	ug/L	115		2		74	131	20
Methylcyclohexane	50	0	57.9	ug/L	116		4		72	132	20
Benzene	50	0	53.4	ug/L	107		2		79	120	20
1,2-Dichloroethane	50	0	60.8	ug/L	122		4		73	128	20
Trichloroethene	50	140	190	ug/L	100		22	*	79	123	20
1,2-Dichloropropane	50	0	52.7	ug/L	105		4		78	122	20
Bromodichloromethane	50	0	57.1	ug/L	114		4		79	125	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		0		67	130	20
Toluene	50	0	55.8	ug/L	112		4		80	121	20
t-1,3-Dichloropropene	50	0	58.8	ug/L	118		8		73	127	20
cis-1,3-Dichloropropene	50	0	57.3	ug/L	115		8		75	124	20
1,1,2-Trichloroethane	50	0	54.5	ug/L	109		3		80	119	20
2-Hexanone	250	0	290	ug/L	116		3		57	139	20
Dibromochloromethane	50	0	57.4	ug/L	115		6		74	126	20
1,2-Dibromoethane	50	0	55.4	ug/L	111		3		77	121	20
Tetrachloroethene	50	4.50	59.7	ug/L	110		3		74	129	20
Chlorobenzene	50	0	54.5	ug/L	109		5		82	118	20
Ethyl Benzene	50	0	56.7	ug/L	113		5		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		0		80	121	20
o-Xylene	50	0	54.4	ug/L	109		5		78	122	20
Styrene	50	0	56.8	ug/L	114		2		78	123	20
Bromoform	50	0	54.2	ug/L	108		1		66	130	20
Isopropylbenzene	50	0	55.4	ug/L	111		7		72	131	20
1,1,2,2-Tetrachloroethane	50	0	50.8	ug/L	102		1		71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	50	0	52.2	ug/L	104		2		80	119	20
1,4-Dichlorobenzene	50	0	51.5	ug/L	103		3		79	118	20
1,2-Dichlorobenzene	50	0	53.5	ug/L	107		4		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	57.1	ug/L	114		2		62	128	20
1,2,4-Trichlorobenzene	50	0	51.9	ug/L	104		2		69	130	20
1,2,3-Trichlorobenzene	50	0	51.0	ug/L	102		2		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX045378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0321WBS01	Dichlorodifluoromethane	20	17.6	ug/L	88			32	152	
	Chloromethane	20	15.3	ug/L	77			50	139	
	Vinyl chloride	20	15.4	ug/L	77			58	137	
	Bromomethane	20	18.2	ug/L	91			53	141	
	Chloroethane	20	19.3	ug/L	97			60	138	
	Trichlorofluoromethane	20	17.9	ug/L	90			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			70	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	Acetone	100	99.7	ug/L	100			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	19.2	ug/L	96			71	124	
	Methyl Acetate	20	26.0	ug/L	130			56	136	
	Methylene Chloride	20	18.8	ug/L	94			74	124	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	Cyclohexane	20	18.3	ug/L	92			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.1	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			78	123	
	Bromochloromethane	20	17.2	ug/L	86			78	123	
	Chloroform	20	20.2	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	19.1	ug/L	96			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	21.6	ug/L	108			73	128	
	Trichloroethene	20	18.7	ug/L	94			79	123	
	1,2-Dichloropropane	20	19.2	ug/L	96			78	122	
	Bromodichloromethane	20	20.7	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.8	ug/L	99			80	121	
	t-1,3-Dichloropropene	20	20.1	ug/L	101			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	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.0	ug/L	105			74	126	
	1,2-Dibromoethane	20	20.0	ug/L	100			77	121	
	Tetrachloroethene	20	19.7	ug/L	99			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	40.0	ug/L	100			80	121	
	o-Xylene	20	19.8	ug/L	99			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.1	ug/L	101			66	130	
	Isopropylbenzene	20	20.4	ug/L	102			72	131	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			71	121	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX045378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0321WBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100			62	128	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			69	130	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX045406.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0324WBS01	Dichlorodifluoromethane	20	17.8	ug/L	89			32	152	
	Chloromethane	20	14.6	ug/L	73			50	139	
	Vinyl chloride	20	14.8	ug/L	74			58	137	
	Bromomethane	20	18.0	ug/L	90			53	141	
	Chloroethane	20	19.0	ug/L	95			60	138	
	Trichlorofluoromethane	20	18.5	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70	136	
	1,1-Dichloroethene	20	17.8	ug/L	89			71	131	
	Acetone	100	97.3	ug/L	97			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			71	124	
	Methyl Acetate	20	27.0	ug/L	135			56	136	
	Methylene Chloride	20	18.5	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			75	124	
	1,1-Dichloroethane	20	19.6	ug/L	98			77	125	
	Cyclohexane	20	17.8	ug/L	89			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.7	ug/L	104			72	136	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			78	123	
	Bromochloromethane	20	21.2	ug/L	106			78	123	
	Chloroform	20	20.4	ug/L	102			79	124	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			74	131	
	Methylcyclohexane	20	19.2	ug/L	96			72	132	
	Benzene	20	19.4	ug/L	97			79	120	
	1,2-Dichloroethane	20	21.8	ug/L	109			73	128	
	Trichloroethene	20	19.5	ug/L	98			79	123	
	1,2-Dichloropropane	20	19.9	ug/L	100			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	20.8	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.8	ug/L	104			74	126	
	1,2-Dibromoethane	20	20.4	ug/L	102			77	121	
	Tetrachloroethene	20	20.2	ug/L	101			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	39.9	ug/L	100			80	121	
	o-Xylene	20	19.7	ug/L	99			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	20.4	ug/L	102			66	130	
	Isopropylbenzene	20	21.2	ug/L	106			72	131	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			71	121	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX045406.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0324WBS01	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106			62	128	
	1,2,4-Trichlorobenzene	20	18.2	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX045436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0325WBS02	Dichlorodifluoromethane	20	19.5	ug/L	98			32	152	
	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	16.0	ug/L	80			58	137	
	Bromomethane	20	19.6	ug/L	98			53	141	
	Chloroethane	20	19.7	ug/L	99			60	138	
	Trichlorofluoromethane	20	20.0	ug/L	100			65	141	
	1,1,2-Trichlorotrifluoroethane	20	22.6	ug/L	113			70	136	
	1,1-Dichloroethene	20	19.6	ug/L	98			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	14.0	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	21.5	ug/L	108			71	124	
	Methyl Acetate	20	29.4	ug/L	147		*	56	136	
	Methylene Chloride	20	20.2	ug/L	101			74	124	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	124	
	1,1-Dichloroethane	20	21.5	ug/L	108			77	125	
	Cyclohexane	20	19.7	ug/L	99			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	21.8	ug/L	109			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	24.3	ug/L	121			78	123	
	Chloroform	20	22.3	ug/L	112			79	124	
	1,1,1-Trichloroethane	20	22.3	ug/L	112			74	131	
	Methylcyclohexane	20	20.5	ug/L	103			72	132	
	Benzene	20	20.5	ug/L	103			79	120	
	1,2-Dichloroethane	20	23.9	ug/L	119			73	128	
	Trichloroethene	20	20.5	ug/L	103			79	123	
	1,2-Dichloropropane	20	21.1	ug/L	106			78	122	
	Bromodichloromethane	20	22.7	ug/L	114			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	21.4	ug/L	107			80	121	
	t-1,3-Dichloropropene	20	22.1	ug/L	111			73	127	
	cis-1,3-Dichloropropene	20	22.4	ug/L	112			75	124	
	1,1,2-Trichloroethane	20	22.3	ug/L	112			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.0	ug/L	110			74	126	
	1,2-Dibromoethane	20	21.7	ug/L	109			77	121	
	Tetrachloroethene	20	21.6	ug/L	108			74	129	
	Chlorobenzene	20	21.4	ug/L	107			82	118	
	Ethyl Benzene	20	21.6	ug/L	108			79	121	
	m/p-Xylenes	40	43.1	ug/L	108			80	121	
	o-Xylene	20	21.4	ug/L	107			78	122	
	Styrene	20	21.7	ug/L	109			78	123	
	Bromoform	20	21.4	ug/L	107			66	130	
	Isopropylbenzene	20	22.5	ug/L	113			72	131	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			71	121	
	1,3-Dichlorobenzene	20	21.0	ug/L	105			80	119	
	1,4-Dichlorobenzene	20	20.5	ug/L	103			79	118	
	1,2-Dichlorobenzene	20	21.1	ug/L	106			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.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX045436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0325WBS02	1,2-Dibromo-3-Chloropropane	20	22.1	ug/L	111			62	128	
	1,2,4-Trichlorobenzene	20	20.1	ug/L	101			69	130	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			69	129	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0321WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q1608

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045377.D

Lab Sample ID: VX0321WBL01

Date Analyzed: 03/21/2025

Time Analyzed: 10:52

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0321WBS01	VX0321WBS01	VX045378.D	03/21/2025
TT172S1-20250317	Q1608-01	VX045394.D	03/21/2025
RE139D1-20250317	Q1608-02	VX045395.D	03/21/2025
RE139D2-20250317	Q1608-03	VX045396.D	03/21/2025
TT205S1-20250317	Q1608-04	VX045397.D	03/21/2025
DUP07-20250317	Q1608-05	VX045398.D	03/21/2025
TT163S1-20250317	Q1608-06	VX045399.D	03/21/2025
RW11-MW01S-20250317	Q1608-07	VX045400.D	03/21/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0324WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q1608

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045405.D

Lab Sample ID: VX0324WBL01

Date Analyzed: 03/24/2025

Time Analyzed: 11:19

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0324WBS01	VX0324WBS01	VX045406.D	03/24/2025
RE139D1-20250317DL	Q1608-02DL	VX045408.D	03/24/2025
RE139D2-20250317DL	Q1608-03DL	VX045409.D	03/24/2025
TB	Q1608-29	VX045410.D	03/24/2025
RW11-MW01I-20250317	Q1608-08	VX045411.D	03/24/2025
GM38-RW3-MW1-20250318	Q1608-09	VX045412.D	03/24/2025
DUP08-20250318	Q1608-10	VX045413.D	03/24/2025
RE132D2-20250318	Q1608-14	VX045414.D	03/24/2025
RE132D3-20250318	Q1608-15	VX045415.D	03/24/2025
RE132D4-20250318	Q1608-16	VX045416.D	03/24/2025
RE132D5-20250318	Q1608-17	VX045417.D	03/24/2025
RE132D6-20250318	Q1608-18	VX045418.D	03/24/2025
RE132D7-20250318	Q1608-19	VX045419.D	03/24/2025
RE117D2-20250319	Q1608-20	VX045420.D	03/24/2025
TT101D2-20250319	Q1608-21	VX045421.D	03/24/2025
TT161S1-20250319	Q1608-22	VX045422.D	03/24/2025
TT189D2-20250319	Q1608-23	VX045423.D	03/24/2025
RW8-MW01S-20250319	Q1608-24	VX045424.D	03/24/2025
RW8-MW01D1-20250319	Q1608-25	VX045425.D	03/24/2025
RW8-MW01D2-20250319	Q1608-26	VX045426.D	03/24/2025
RW8-MW01D3-20250319	Q1608-27	VX045427.D	03/24/2025
DUP09-20250319	Q1608-28	VX045428.D	03/24/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0325WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q1608

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045433.D

Lab Sample ID: VX0325WBL01

Date Analyzed: 03/25/2025

Time Analyzed: 12:22

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
DUP08-20250318DL	Q1608-10DL	VX045435.D	03/25/2025
VX0325WBS02	VX0325WBS02	VX045436.D	03/25/2025
RE132D5-20250318DL	Q1608-17DL	VX045437.D	03/25/2025
RE132D7-20250318DL	Q1608-19DL	VX045438.D	03/25/2025
TT101D2-20250319DL	Q1608-21DL	VX045439.D	03/25/2025
RE132D6-20250318DL	Q1608-18DL	VX045440.D	03/25/2025
RE132D2-20250318RE	Q1608-14RE	VX045441.D	03/25/2025
RE132D4-20250318DL	Q1608-16DL	VX045442.D	03/25/2025
RE132D1-20250318	Q1608-11	VX045452.D	03/25/2025
RE132D1-20250318MS	Q1608-12MS	VX045453.D	03/25/2025
RE132D1-20250318MSD	Q1608-13MSD	VX045454.D	03/25/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045067.D BFB Injection Date: 02/28/2025
Instrument ID: MSVOA_X BFB Injection Time: 01:03
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 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
VSTDIC001	VSTDIC001	VX045068.D	02/28/2025	01:27
VSTDIC005	VSTDIC005	VX045069.D	02/28/2025	02:13
VSTDIC020	VSTDIC020	VX045070.D	02/28/2025	02:37
VSTDIC050	VSTDIC050	VX045071.D	02/28/2025	03:00
VSTDIC100	VSTDIC100	VX045072.D	02/28/2025	03:23
VSTDIC150	VSTDIC150	VX045073.D	02/28/2025	03:47

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045374.D BFB Injection Date: 03/21/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:29
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	55.8
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	71
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (98) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 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	VX045375.D	03/21/2025	10:00
VX0321WBL01	VX0321WBL01	VX045377.D	03/21/2025	10:52
VX0321WBS01	VX0321WBS01	VX045378.D	03/21/2025	11:15
TT172S1-20250317	Q1608-01	VX045394.D	03/21/2025	17:35
RE139D1-20250317	Q1608-02	VX045395.D	03/21/2025	17:58
RE139D2-20250317	Q1608-03	VX045396.D	03/21/2025	18:21
TT205S1-20250317	Q1608-04	VX045397.D	03/21/2025	18:44
DUP07-20250317	Q1608-05	VX045398.D	03/21/2025	19:08
TT163S1-20250317	Q1608-06	VX045399.D	03/21/2025	19:31
RW11-MW01S-20250317	Q1608-07	VX045400.D	03/21/2025	19:54
VSTDCCC050EC	VSTDCCC050	VX045401.D	03/21/2025	20:41

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045402.D BFB Injection Date: 03/24/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:58
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	66.2 (95.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 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	VX045403.D	03/24/2025	10:26
VX0324WBL01	VX0324WBL01	VX045405.D	03/24/2025	11:19
VX0324WBS01	VX0324WBS01	VX045406.D	03/24/2025	11:42
RE139D1-20250317DL	Q1608-02DL	VX045408.D	03/24/2025	12:34
RE139D2-20250317DL	Q1608-03DL	VX045409.D	03/24/2025	12:57
TB	Q1608-29	VX045410.D	03/24/2025	13:20
RW11-MW01I-20250317	Q1608-08	VX045411.D	03/24/2025	13:44
GM38-RW3-MW1-20250318	Q1608-09	VX045412.D	03/24/2025	14:07
DUP08-20250318	Q1608-10	VX045413.D	03/24/2025	14:30
RE132D2-20250318	Q1608-14	VX045414.D	03/24/2025	14:54
RE132D3-20250318	Q1608-15	VX045415.D	03/24/2025	15:17
RE132D4-20250318	Q1608-16	VX045416.D	03/24/2025	15:41
RE132D5-20250318	Q1608-17	VX045417.D	03/24/2025	16:04
RE132D6-20250318	Q1608-18	VX045418.D	03/24/2025	16:27
RE132D7-20250318	Q1608-19	VX045419.D	03/24/2025	16:50
RE117D2-20250319	Q1608-20	VX045420.D	03/24/2025	17:14
TT101D2-20250319	Q1608-21	VX045421.D	03/24/2025	17:37
TT161S1-20250319	Q1608-22	VX045422.D	03/24/2025	18:00

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045402.D BFB Injection Date: 03/24/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:58
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	66.2 (95.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 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
TT189D2-20250319	Q1608-23	VX045423.D	03/24/2025	18:23
RW8-MW01S-20250319	Q1608-24	VX045424.D	03/24/2025	18:46
RW8-MW01D1-20250319	Q1608-25	VX045425.D	03/24/2025	19:10
RW8-MW01D2-20250319	Q1608-26	VX045426.D	03/24/2025	19:33
RW8-MW01D3-20250319	Q1608-27	VX045427.D	03/24/2025	19:56
DUP09-20250319	Q1608-28	VX045428.D	03/24/2025	20:19
VSTDCCC050EC	VSTDCCC050	VX045429.D	03/24/2025	20:42

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045430.D BFB Injection Date: 03/25/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:37
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 60.0% of mass 95	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (96.1) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 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	VX045431.D	03/25/2025	11:31
VX0325WBL01	VX0325WBL01	VX045433.D	03/25/2025	12:22
DUP08-20250318DL	Q1608-10DL	VX045435.D	03/25/2025	13:12
VX0325WBS02	VX0325WBS02	VX045436.D	03/25/2025	13:35
RE132D5-20250318DL	Q1608-17DL	VX045437.D	03/25/2025	14:03
RE132D7-20250318DL	Q1608-19DL	VX045438.D	03/25/2025	14:26
TT101D2-20250319DL	Q1608-21DL	VX045439.D	03/25/2025	14:50
RE132D6-20250318DL	Q1608-18DL	VX045440.D	03/25/2025	15:13
RE132D2-20250318RE	Q1608-14RE	VX045441.D	03/25/2025	15:36
RE132D4-20250318DL	Q1608-16DL	VX045442.D	03/25/2025	15:59
RE132D1-20250318	Q1608-11	VX045452.D	03/25/2025	19:51
RE132D1-20250318MS	Q1608-12MS	VX045453.D	03/25/2025	20:14
RE132D1-20250318MSD	Q1608-13MSD	VX045454.D	03/25/2025	20:37
VSTDCCC050EC	VSTDCCC050	VX045455.D	03/25/2025	21:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045375.D Date Analyzed: 03/21/2025
Instrument ID: MSVOA_X Time Analyzed: 10:00
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92791	5.54	160605	6.75	137508	10.05
UPPER LIMIT	185582	6.043	321210	7.25	275016	10.549
LOWER LIMIT	46395.5	5.043	80302.5	6.25	68754	9.549
EPA SAMPLE NO.						
TT172S1-20250317	66207	5.54	129916	6.76	122794	10.05
RE139D1-20250317	64859	5.55	126689	6.76	117104	10.05
RE139D2-20250317	66410	5.54	131424	6.76	121699	10.05
TT205S1-20250317	68231	5.54	134675	6.76	120991	10.06
DUP07-20250317	72170	5.54	142036	6.76	130424	10.05
TT163S1-20250317	64623	5.55	126814	6.76	116621	10.05
RW11-MW01S-20250317	64919	5.54	124910	6.76	116362	10.05
VX0321WBL01	67403	5.54	133286	6.76	125274	10.05
VX0321WBS01	96755	5.54	172413	6.76	151575	10.05

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
 Lab File ID: VX045375.D Date Analyzed: 03/21/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:00
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	63153	12.018				
UPPER LIMIT	126306	12.518				
LOWER LIMIT	31576.5	11.518				
EPA SAMPLE NO.						
TT172S1-20250317	51514	12.02				
RE139D1-20250317	48854	12.02				
RE139D2-20250317	50801	12.02				
TT205S1-20250317	44710	12.02				
DUP07-20250317	50856	12.02				
TT163S1-20250317	44709	12.02				
RW11-MW01S-20250317	47301	12.02				
VX0321WBL01	52894	12.02				
VX0321WBS01	67294	12.02				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
 Lab File ID: VX045403.D Date Analyzed: 03/24/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:26
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	98391	5.54	170340	6.75	144708	10.05
UPPER LIMIT	196782	6.044	340680	7.251	289416	10.549
LOWER LIMIT	49195.5	5.044	85170	6.251	72354	9.549
EPA SAMPLE NO.						
RE139D1-20250317DL	65545	5.54	130703	6.76	120320	10.06
RE139D2-20250317DL	67782	5.55	131487	6.76	118431	10.06
RW11-MW01I-20250317	69252	5.54	135280	6.76	123533	10.05
GM38-RW3-MW1-20250318	72484	5.54	143019	6.76	128743	10.06
DUP08-20250318	66432	5.55	131180	6.76	119040	10.06
RE132D2-20250318	66901	5.54	130401	6.76	119535	10.05
RE132D3-20250318	69281	5.55	134579	6.76	121432	10.06
RE132D4-20250318	74803	5.54	145079	6.76	132750	10.06
RE132D5-20250318	64789	5.55	128718	6.76	120307	10.05
RE132D6-20250318	67647	5.54	132501	6.76	119350	10.05
RE132D7-20250318	67443	5.55	131029	6.76	118374	10.05
RE117D2-20250319	69702	5.55	134926	6.76	126257	10.05
TT101D2-20250319	65556	5.55	129819	6.76	119568	10.05
TT161S1-20250319	67871	5.54	133134	6.76	121041	10.05
TT189D2-20250319	64309	5.55	126415	6.76	114275	10.05
RW8-MW01S-20250319	67003	5.54	132767	6.76	123522	10.05
RW8-MW01D1-20250319	73419	5.55	139770	6.76	122679	10.06
RW8-MW01D2-20250319	78092	5.55	151034	6.76	136081	10.06
RW8-MW01D3-20250319	66010	5.54	128913	6.76	117995	10.05
DUP09-20250319	63255	5.55	122676	6.76	112419	10.06
TB	76966	5.55	149564	6.76	133451	10.05
VX0324WBL01	69924	5.55	137486	6.76	126117	10.06
VX0324WBS01	93978	5.54	165678	6.76	146061	10.06

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
 Lab File ID: VX045403.D Date Analyzed: 03/24/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:26
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	98391	5.54	170340	6.75	144708	10.05
UPPER LIMIT	196782	6.044	340680	7.251	289416	10.549
LOWER LIMIT	49195.5	5.044	85170	6.251	72354	9.549
EPA SAMPLE NO.						

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045403.D Date Analyzed: 03/24/2025
Instrument ID: MSVOA_X Time Analyzed: 10:26
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	64628	12.018				
UPPER LIMIT	129256	12.518				
LOWER LIMIT	32314	11.518				
EPA SAMPLE NO.						
RE139D1-20250317DL	49744	12.02				
RE139D2-20250317DL	46305	12.02				
RW11-MW01I-20250317	47787	12.02				
GM38-RW3-MW1-20250318	52056	12.02				
DUP08-20250318	45448	12.02				
RE132D2-20250318	48538	12.02				
RE132D3-20250318	47134	12.02				
RE132D4-20250318	54723	12.02				
RE132D5-20250318	50372	12.02				
RE132D6-20250318	50651	12.02				
RE132D7-20250318	49435	12.02				
RE117D2-20250319	50122	12.02				
TT101D2-20250319	47597	12.02				
TT161S1-20250319	49396	12.02				
TT189D2-20250319	45637	12.02				
RW8-MW01S-20250319	50743	12.02				
RW8-MW01D1-20250319	49536	12.02				
RW8-MW01D2-20250319	56752	12.02				
RW8-MW01D3-20250319	46255	12.02				
DUP09-20250319	42476	12.02				
TB	52355	12.02				
VX0324WBL01	49419	12.02				
VX0324WBS01	63508	12.02				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
 Lab File ID: VX045403.D Date Analyzed: 03/24/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:26
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	64628	12.018				
UPPER LIMIT	129256	12.518				
LOWER LIMIT	32314	11.518				
EPA SAMPLE NO.						

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
Lab File ID: VX045431.D Date Analyzed: 03/25/2025
Instrument ID: MSVOA_X Time Analyzed: 11:31
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	83260	5.54	144945	6.76	129576	10.05
UPPER LIMIT	166520	6.044	289890	7.257	259152	10.549
LOWER LIMIT	41630	5.044	72472.5	6.257	64788	9.549
EPA SAMPLE NO.						
DUP08-20250318DL	66948	5.54	133107	6.76	120920	10.05
RE132D1-20250318	72182	5.54	140177	6.76	126304	10.05
RE132D1-20250318MS	75274	5.54	137526	6.76	121362	10.05
RE132D1-20250318MSD	80493	5.54	144565	6.76	128766	10.05
RE132D2-20250318RE	81844	5.54	157686	6.76	147292	10.05
RE132D4-20250318DL	69510	5.54	138470	6.76	127707	10.05
RE132D5-20250318DL	67394	5.54	132021	6.76	120711	10.05
RE132D6-20250318DL	64442	5.54	126973	6.76	112628	10.05
RE132D7-20250318DL	72406	5.54	142524	6.76	130699	10.05
TT101D2-20250319DL	70652	5.54	139172	6.76	131487	10.05
VX0325WBL01	71237	5.55	137150	6.76	123936	10.05
VX0325WBS02	88260	5.54	159282	6.76	137098	10.05

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608
 Lab File ID: VX045431.D Date Analyzed: 03/25/2025
 Instrument ID: MSVOA_X Time Analyzed: 11:31
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	63016	12.018				
UPPER LIMIT	126032	12.518				
LOWER LIMIT	31508	11.518				
EPA SAMPLE NO.						
DUP08-20250318DL	49927	12.02				
RE132D1-20250318	48163	12.02				
RE132D1-20250318MS	57274	12.02				
RE132D1-20250318MSD	58991	12.02				
RE132D2-20250318RE	58705	12.02				
RE132D4-20250318DL	50801	12.02				
RE132D5-20250318DL	50385	12.02				
RE132D6-20250318DL	42200	12.02				
RE132D7-20250318DL	51895	12.02				
TT101D2-20250319DL	54151	12.02				
VX0325WBL01	50683	12.02				
VX0325WBS02	60910	12.02				

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

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:	VX0321WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0321WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045377.D	1		03/21/25 10:52	VX032125

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

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:	VX0321WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0321WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045377.D	1		03/21/25 10:52	VX032125

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	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52900	12.018				

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:	VX0321WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0321WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045377.D	1		03/21/25 10:52	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	VX0324WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0324WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045405.D	1		03/24/25 11:19	VX032425

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

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:	VX0324WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0324WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045405.D	1		03/24/25 11:19	VX032425

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	58.0		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69900	5.55				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018				

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:	VX0324WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0324WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045405.D	1		03/24/25 11:19	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	VX0325WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0325WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045433.D	1		03/25/25 12:22	VX032525

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

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:	VX0325WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0325WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045433.D	1		03/25/25 12:22	VX032525

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	58.3		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71200	5.55				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.024				

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:	VX0325WBL01		SDG No.:	Q1608
Lab Sample ID:	VX0325WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045433.D	1		03/25/25 12:22	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	VX0321WBS01		SDG No.:	Q1608
Lab Sample ID:	VX0321WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045378.D	1		03/21/25 11:15	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	15.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.3		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	26.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		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	18.3		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		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	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.8		0.14	0.50	1.00	ug/L

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:	VX0321WBS01		SDG No.:	Q1608
Lab Sample ID:	VX0321WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045378.D	1		03/21/25 11:15	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.1		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	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		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	18.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	96800	5.544				
540-36-3	1,4-Difluorobenzene	172000	6.757				
3114-55-4	Chlorobenzene-d5	152000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67300	12.018				

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:	VX0321WBS01		SDG No.:	Q1608
Lab Sample ID:	VX0321WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045378.D	1		03/21/25 11:15	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	VX0324WBS01		SDG No.:	Q1608
Lab Sample ID:	VX0324WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045406.D	1		03/24/25 11:42	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	14.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	14.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	27.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.14	0.50	1.00	ug/L

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:	VX0324WBS01		SDG No.:	Q1608
Lab Sample ID:	VX0324WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045406.D	1		03/24/25 11:42	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		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	21.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		80 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	52.6		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94000	5.543				
540-36-3	1,4-Difluorobenzene	166000	6.756				
3114-55-4	Chlorobenzene-d5	146000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	63500	12.018				

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:	VX0324WBS01		SDG No.:	Q1608
Lab Sample ID:	VX0324WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045406.D	1		03/24/25 11:42	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	VX0325WBS02		SDG No.:	Q1608
Lab Sample ID:	VX0325WBS02		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045436.D	1		03/25/25 13:35	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.0		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	29.4		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	24.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	23.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.4		0.14	0.50	1.00	ug/L

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:	VX0325WBS02		SDG No.:	Q1608
Lab Sample ID:	VX0325WBS02		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045436.D	1		03/25/25 13:35	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	22.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	22.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	43.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	22.5		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.5		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	22.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	88300	5.544				
540-36-3	1,4-Difluorobenzene	159000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	60900	12.018				

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:	VX0325WBS02		SDG No.:	Q1608
Lab Sample ID:	VX0325WBS02		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045436.D	1		03/25/25 13:35	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MS		SDG No.:	Q1608	
Lab Sample ID:	Q1608-12MS		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045453.D	1		03/25/25 20:14	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	63.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	54.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	56.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	56.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	62.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	53.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	270		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	47.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	53.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	46.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	54.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	280		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	55.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	55.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	56.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	56.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	55.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	52.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	58.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	180	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	53.4		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MS		SDG No.:	Q1608	
Lab Sample ID:	Q1608-12MS		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045453.D	1		03/25/25 20:14	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	54.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	52.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	300		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	54.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	58.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	51.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	54.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	52.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	55.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	51.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.9		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4	*	85 - 114		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	75300	5.544				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57300	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MS		SDG No.:	Q1608	
Lab Sample ID:	Q1608-12MS		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045453.D	1		03/25/25 20:14	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MSD		SDG No.:	Q1608	
Lab Sample ID:	Q1608-13MSD		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045454.D	1		03/25/25 20:37	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	62.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	52.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	48.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	56.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	53.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	61.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	260		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	49.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	46.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	51.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	55.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	270		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	58.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	49.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	57.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	57.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	57.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	53.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	60.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	190	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	57.1		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	55.8		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MSD		SDG No.:	Q1608	
Lab Sample ID:	Q1608-13MSD		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045454.D	1		03/25/25 20:37	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	58.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	57.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	290		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	57.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	55.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	59.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	54.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	56.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	54.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	56.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.2		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	55.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.5		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.5		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	57.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.9		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.0		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	80500	5.543				
540-36-3	1,4-Difluorobenzene	145000	6.757				
3114-55-4	Chlorobenzene-d5	129000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MSD		SDG No.:	Q1608	
Lab Sample ID:	Q1608-13MSD		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045454.D	1		03/25/25 20:37	VX032525

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1608</u>
Instrument ID:	<u>MSVOA_X</u>	SAS No.:	<u>Q1608</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>Q1608</u>
GC Column:	<u>DB-624UI</u>	Calibration Date(s):	<u>02/28/2025</u>
ID:	<u>0.18 (mm)</u>	Calibration Time(s):	<u>01:27</u>
			<u>03:47</u>

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D		
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D		
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 10:00

Lab File ID: VX045375.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.662		5.25	20
Chloromethane	0.770	0.684	0.1	-11.17	20
Vinyl Chloride	0.764	0.690		-9.69	20
Bromomethane	0.300	0.302		0.67	20
Chloroethane	0.352	0.328		-6.82	20
Trichlorofluoromethane	1.012	1.044		3.16	20
1,1,2-Trichlorotrifluoroethane	0.581	0.692		19.1	20
1,1-Dichloroethene	0.614	0.632		2.93	20
Acetone	0.369	0.426		15.45	20
Carbon Disulfide	1.636	1.372		-16.14	20
Methyl tert-butyl Ether	2.061	2.226		8.01	20
Methyl Acetate	0.888	1.244		40.09	20
Methylene Chloride	0.731	0.735		0.55	20
trans-1,2-Dichloroethene	0.607	0.625		2.96	20
1,1-Dichloroethane	1.247	1.332	0.1	6.82	20
Cyclohexane	1.082	1.107		2.31	20
2-Butanone	0.555	0.610		9.91	20
Carbon Tetrachloride	0.465	0.543		16.77	20
cis-1,2-Dichloroethene	0.749	0.799		6.68	20
Bromochloromethane	0.594	0.623		4.88	20
Chloroform	1.239	1.364		10.09	20
1,1,1-Trichloroethane	1.000	1.111		11.1	20
Methylcyclohexane	0.549	0.626		14.03	20
Benzene	1.448	1.566		8.15	20
1,2-Dichloroethane	0.521	0.622		19.39	20
Trichloroethene	0.340	0.364		7.06	20
1,2-Dichloropropane	0.372	0.404		8.6	20
Bromodichloromethane	0.516	0.613		18.8	20
4-Methyl-2-Pentanone	0.587	0.667		13.63	20
Toluene	0.849	0.943		11.07	20
t-1,3-Dichloropropene	0.431	0.541		25.52	20
cis-1,3-Dichloropropene	0.503	0.615		22.27	20
1,1,2-Trichloroethane	0.350	0.382		9.14	20
2-Hexanone	0.425	0.492		15.77	20
Dibromochloromethane	0.366	0.432		18.03	20
1,2-Dibromoethane	0.349	0.387		10.89	20
Tetrachloroethene	0.320	0.362		13.13	20
Chlorobenzene	1.058	1.187	0.3	12.19	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 10:00

Lab File ID: VX045375.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.112		14.6	20
m/p-Xylenes	0.675	0.771		14.22	20
o-Xylene	0.681	0.750		10.13	20
Styrene	1.101	1.269		15.26	20
Bromoform	0.266	0.316	0.1	18.8	20
Isopropylbenzene	3.903	4.394		12.58	20
1,1,2,2-Tetrachloroethane	1.432	1.519	0.3	6.07	20
1,3-Dichlorobenzene	1.643	1.791		9.01	20
1,4-Dichlorobenzene	1.662	1.795		8	20
1,2-Dichlorobenzene	1.648	1.801		9.28	20
1,2-Dibromo-3-Chloropropane	0.279	0.327		17.2	20
1,2,4-Trichlorobenzene	0.938	1.099		17.16	20
1,2,3-Trichlorobenzene	0.990	1.168		17.98	20
1,2-Dichloroethane-d4	0.795	0.856		7.67	20
Dibromofluoromethane	0.334	0.369		10.48	20
Toluene-d8	1.212	1.255		3.55	20
4-Bromofluorobenzene	0.402	0.438		8.95	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 20:41

Lab File ID: VX045401.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.594		-5.56	50
Chloromethane	0.770	0.665	0.1	-13.64	50
Vinyl Chloride	0.764	0.670		-12.3	50
Bromomethane	0.300	0.299		-0.33	50
Chloroethane	0.352	0.318		-9.66	50
Trichlorofluoromethane	1.012	1.001		-1.09	50
1,1,2-Trichlorotrifluoroethane	0.581	0.641		10.33	50
1,1-Dichloroethene	0.614	0.617		0.49	50
Acetone	0.369	0.402		8.94	50
Carbon Disulfide	1.636	1.252		-23.47	50
Methyl tert-butyl Ether	2.061	2.356		14.31	50
Methyl Acetate	0.888	1.318		48.42	50
Methylene Chloride	0.731	0.756		3.42	50
trans-1,2-Dichloroethene	0.607	0.628		3.46	50
1,1-Dichloroethane	1.247	1.379	0.1	10.59	50
Cyclohexane	1.082	1.047		-3.23	50
2-Butanone	0.555	0.630		13.51	50
Carbon Tetrachloride	0.465	0.523		12.47	50
cis-1,2-Dichloroethene	0.749	0.813		8.55	50
Bromochloromethane	0.594	0.686		15.49	50
Chloroform	1.239	1.447		16.79	50
1,1,1-Trichloroethane	1.000	1.146		14.6	50
Methylcyclohexane	0.549	0.568		3.46	50
Benzene	1.448	1.560		7.74	50
1,2-Dichloroethane	0.521	0.643		23.42	50
Trichloroethene	0.340	0.363		6.76	50
1,2-Dichloropropane	0.372	0.411		10.48	50
Bromodichloromethane	0.516	0.610		18.22	50
4-Methyl-2-Pentanone	0.587	0.687		17.04	50
Toluene	0.849	0.935		10.13	50
t-1,3-Dichloropropene	0.431	0.511		18.56	50
cis-1,3-Dichloropropene	0.503	0.587		16.7	50
1,1,2-Trichloroethane	0.350	0.393		12.29	50
2-Hexanone	0.425	0.501		17.88	50
Dibromochloromethane	0.366	0.422		15.3	50
1,2-Dibromoethane	0.349	0.397		13.75	50
Tetrachloroethene	0.320	0.342		6.88	50
Chlorobenzene	1.058	1.142	0.3	7.94	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 20:41

Lab File ID: VX045401.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.065		12.05	50
m/p-Xylenes	0.675	0.755		11.85	50
o-Xylene	0.681	0.735		7.93	50
Styrene	1.101	1.256		14.08	50
Bromoform	0.266	0.308	0.1	15.79	50
Isopropylbenzene	3.903	4.244		8.74	50
1,1,2,2-Tetrachloroethane	1.432	1.557	0.3	8.73	50
1,3-Dichlorobenzene	1.643	1.746		6.27	50
1,4-Dichlorobenzene	1.662	1.744		4.93	50
1,2-Dichlorobenzene	1.648	1.783		8.19	50
1,2-Dibromo-3-Chloropropane	0.279	0.332		19	50
1,2,4-Trichlorobenzene	0.938	1.069		13.97	50
1,2,3-Trichlorobenzene	0.990	1.092		10.3	50
1,2-Dichloroethane-d4	0.795	0.875		10.06	50
Dibromofluoromethane	0.334	0.358		7.19	50
Toluene-d8	1.212	1.198		-1.15	50
4-Bromofluorobenzene	0.402	0.422		4.97	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 10:26

Lab File ID: VX045403.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.636		1.11	20
Chloromethane	0.770	0.634	0.1	-17.66	20
Vinyl Chloride	0.764	0.640		-16.23	20
Bromomethane	0.300	0.286		-4.67	20
Chloroethane	0.352	0.365		3.69	20
Trichlorofluoromethane	1.012	1.008		-0.4	20
1,1,2-Trichlorotrifluoroethane	0.581	0.678		16.69	20
1,1-Dichloroethene	0.614	0.616		0.33	20
Acetone	0.369	0.381		3.25	20
Carbon Disulfide	1.636	1.320		-19.32	20
Methyl tert-butyl Ether	2.061	2.217		7.57	20
Methyl Acetate	0.888	1.241		39.75	20
Methylene Chloride	0.731	0.714		-2.33	20
trans-1,2-Dichloroethene	0.607	0.605		-0.33	20
1,1-Dichloroethane	1.247	1.322	0.1	6.01	20
Cyclohexane	1.082	1.060		-2.03	20
2-Butanone	0.555	0.595		7.21	20
Carbon Tetrachloride	0.465	0.542		16.56	20
cis-1,2-Dichloroethene	0.749	0.780		4.14	20
Bromochloromethane	0.594	0.548		-7.74	20
Chloroform	1.239	1.334		7.67	20
1,1,1-Trichloroethane	1.000	1.117		11.7	20
Methylcyclohexane	0.549	0.606		10.38	20
Benzene	1.448	1.518		4.83	20
1,2-Dichloroethane	0.521	0.606		16.32	20
Trichloroethene	0.340	0.357		5	20
1,2-Dichloropropane	0.372	0.397		6.72	20
Bromodichloromethane	0.516	0.598		15.89	20
4-Methyl-2-Pentanone	0.587	0.651		10.9	20
Toluene	0.849	0.904		6.48	20
t-1,3-Dichloropropene	0.431	0.523		21.35	20
cis-1,3-Dichloropropene	0.503	0.602		19.68	20
1,1,2-Trichloroethane	0.350	0.377		7.71	20
2-Hexanone	0.425	0.471		10.82	20
Dibromochloromethane	0.366	0.428		16.94	20
1,2-Dibromoethane	0.349	0.377		7.74	20
Tetrachloroethene	0.320	0.360		12.5	20
Chlorobenzene	1.058	1.143	0.3	8.03	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 10:26

Lab File ID: VX045403.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.069		12.26	20
m/p-Xylenes	0.675	0.738		9.33	20
o-Xylene	0.681	0.734		7.78	20
Styrene	1.101	1.221		10.9	20
Bromoform	0.266	0.314	0.1	18.05	20
Isopropylbenzene	3.903	4.387		12.4	20
1,1,2,2-Tetrachloroethane	1.432	1.492	0.3	4.19	20
1,3-Dichlorobenzene	1.643	1.767		7.55	20
1,4-Dichlorobenzene	1.662	1.742		4.81	20
1,2-Dichlorobenzene	1.648	1.762		6.92	20
1,2-Dibromo-3-Chloropropane	0.279	0.327		17.2	20
1,2,4-Trichlorobenzene	0.938	1.073		14.39	20
1,2,3-Trichlorobenzene	0.990	1.103		11.41	20
1,2-Dichloroethane-d4	0.795	0.765		-3.77	20
Dibromofluoromethane	0.334	0.330		-1.2	20
Toluene-d8	1.212	1.102		-9.08	20
4-Bromofluorobenzene	0.402	0.384		-4.48	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 20:42

Lab File ID: VX045429.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.579		-7.95	50
Chloromethane	0.770	0.684	0.1	-11.17	50
Vinyl Chloride	0.764	0.638		-16.49	50
Bromomethane	0.300	0.289		-3.67	50
Chloroethane	0.352	0.364		3.41	50
Trichlorofluoromethane	1.012	0.978		-3.36	50
1,1,2-Trichlorotrifluoroethane	0.581	0.608		4.65	50
1,1-Dichloroethene	0.614	0.594		-3.26	50
Acetone	0.369	0.392		6.23	50
Carbon Disulfide	1.636	1.158		-29.22	50
Methyl tert-butyl Ether	2.061	2.176		5.58	50
Methyl Acetate	0.888	1.242		39.87	50
Methylene Chloride	0.731	0.723		-1.09	50
trans-1,2-Dichloroethene	0.607	0.595		-1.98	50
1,1-Dichloroethane	1.247	1.304	0.1	4.57	50
Cyclohexane	1.082	1.013		-6.38	50
2-Butanone	0.555	0.601		8.29	50
Carbon Tetrachloride	0.465	0.506		8.82	50
cis-1,2-Dichloroethene	0.749	0.769		2.67	50
Bromochloromethane	0.594	0.609		2.53	50
Chloroform	1.239	1.354		9.28	50
1,1,1-Trichloroethane	1.000	1.091		9.1	50
Methylcyclohexane	0.549	0.532		-3.1	50
Benzene	1.448	1.482		2.35	50
1,2-Dichloroethane	0.521	0.618		18.62	50
Trichloroethene	0.340	0.346		1.76	50
1,2-Dichloropropane	0.372	0.394		5.91	50
Bromodichloromethane	0.516	0.580		12.4	50
4-Methyl-2-Pentanone	0.587	0.688		17.21	50
Toluene	0.849	0.905		6.6	50
t-1,3-Dichloropropene	0.431	0.490		13.69	50
cis-1,3-Dichloropropene	0.503	0.555		10.34	50
1,1,2-Trichloroethane	0.350	0.385		10	50
2-Hexanone	0.425	0.500		17.65	50
Dibromochloromethane	0.366	0.419		14.48	50
1,2-Dibromoethane	0.349	0.385		10.31	50
Tetrachloroethene	0.320	0.319		-0.31	50
Chlorobenzene	1.058	1.098	0.3	3.78	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 20:42

Lab File ID: VX045429.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.963		6.51	50
m/p-Xylenes	0.675	0.711		5.33	50
o-Xylene	0.681	0.714		4.85	50
Styrene	1.101	1.234		12.08	50
Bromoform	0.266	0.297	0.1	11.65	50
Isopropylbenzene	3.903	4.022		3.05	50
1,1,2,2-Tetrachloroethane	1.432	1.449	0.3	1.19	50
1,3-Dichlorobenzene	1.643	1.675		1.95	50
1,4-Dichlorobenzene	1.662	1.683		1.26	50
1,2-Dichlorobenzene	1.648	1.699		3.1	50
1,2-Dibromo-3-Chloropropane	0.279	0.308		10.39	50
1,2,4-Trichlorobenzene	0.938	0.977		4.16	50
1,2,3-Trichlorobenzene	0.990	1.015		2.53	50
1,2-Dichloroethane-d4	0.795	0.917		15.35	50
Dibromofluoromethane	0.334	0.375		12.27	50
Toluene-d8	1.212	1.277		5.36	50
4-Bromofluorobenzene	0.402	0.475		18.16	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 11:31

Lab File ID: VX045431.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.798		26.87	20
Chloromethane	0.770	0.804	0.1	4.42	20
Vinyl Chloride	0.764	0.720		-5.76	20
Bromomethane	0.300	0.346		15.33	20
Chloroethane	0.352	0.394		11.93	20
Trichlorofluoromethane	1.012	1.093		8	20
1,1,2-Trichlorotrifluoroethane	0.581	0.699		20.31	20
1,1-Dichloroethene	0.614	0.651		6.03	20
Acetone	0.369	0.394		6.78	20
Carbon Disulfide	1.636	1.643		0.43	20
Methyl tert-butyl Ether	2.061	2.180		5.77	20
Methyl Acetate	0.888	0.856		-3.6	20
Methylene Chloride	0.731	0.729		-0.27	20
trans-1,2-Dichloroethene	0.607	0.641		5.6	20
1,1-Dichloroethane	1.247	1.311	0.1	5.13	20
Cyclohexane	1.082	1.188		9.8	20
2-Butanone	0.555	0.596		7.39	20
Carbon Tetrachloride	0.465	0.558		20	20
cis-1,2-Dichloroethene	0.749	0.773		3.2	20
Bromochloromethane	0.594	0.584		-1.68	20
Chloroform	1.239	1.317		6.3	20
1,1,1-Trichloroethane	1.000	1.132		13.2	20
Methylcyclohexane	0.549	0.674		22.77	20
Benzene	1.448	1.547		6.84	20
1,2-Dichloroethane	0.521	0.624		19.77	20
Trichloroethene	0.340	0.365		7.35	20
1,2-Dichloropropane	0.372	0.390		4.84	20
Bromodichloromethane	0.516	0.591		14.53	20
4-Methyl-2-Pentanone	0.587	0.681		16.01	20
Toluene	0.849	0.944		11.19	20
t-1,3-Dichloropropene	0.431	0.547		26.91	20
cis-1,3-Dichloropropene	0.503	0.610		21.27	20
1,1,2-Trichloroethane	0.350	0.370		5.71	20
2-Hexanone	0.425	0.519		22.12	20
Dibromochloromethane	0.366	0.425		16.12	20
1,2-Dibromoethane	0.349	0.390		11.75	20
Tetrachloroethene	0.320	0.353		10.31	20
Chlorobenzene	1.058	1.130	0.3	6.8	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 11:31

Lab File ID: VX045431.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.068		12.21	20
m/p-Xylenes	0.675	0.760		12.59	20
o-Xylene	0.681	0.753		10.57	20
Styrene	1.101	1.269		15.26	20
Bromoform	0.266	0.306	0.1	15.04	20
Isopropylbenzene	3.903	4.076		4.43	20
1,1,2,2-Tetrachloroethane	1.432	1.422	0.3	-0.7	20
1,3-Dichlorobenzene	1.643	1.755		6.82	20
1,4-Dichlorobenzene	1.662	1.732		4.15	20
1,2-Dichlorobenzene	1.648	1.733		5.16	20
1,2-Dibromo-3-Chloropropane	0.279	0.323		15.77	20
1,2,4-Trichlorobenzene	0.938	1.047		11.62	20
1,2,3-Trichlorobenzene	0.990	1.048		5.86	20
1,2-Dichloroethane-d4	0.795	0.876		10.19	20
Dibromofluoromethane	0.334	0.368		10.18	20
Toluene-d8	1.212	1.260		3.96	20
4-Bromofluorobenzene	0.402	0.481		19.65	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 21:00

Lab File ID: VX045455.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.819		30.21	50
Chloromethane	0.770	0.884	0.1	14.81	50
Vinyl Chloride	0.764	0.774		1.31	50
Bromomethane	0.300	0.362		20.67	50
Chloroethane	0.352	0.433		23.01	50
Trichlorofluoromethane	1.012	1.154		14.03	50
1,1,2-Trichlorotrifluoroethane	0.581	0.697		19.97	50
1,1-Dichloroethene	0.614	0.684		11.4	50
Acetone	0.369	0.395		7.05	50
Carbon Disulfide	1.636	1.714		4.77	50
Methyl tert-butyl Ether	2.061	2.334		13.25	50
Methyl Acetate	0.888	0.929		4.62	50
Methylene Chloride	0.731	0.785		7.39	50
trans-1,2-Dichloroethene	0.607	0.696		14.66	50
1,1-Dichloroethane	1.247	1.404	0.1	12.59	50
Cyclohexane	1.082	1.254		15.9	50
2-Butanone	0.555	0.613		10.45	50
Carbon Tetrachloride	0.465	0.566		21.72	50
cis-1,2-Dichloroethene	0.749	0.825		10.15	50
Bromochloromethane	0.594	0.654		10.1	50
Chloroform	1.239	1.426		15.09	50
1,1,1-Trichloroethane	1.000	1.219		21.9	50
Methylcyclohexane	0.549	0.662		20.58	50
Benzene	1.448	1.606		10.91	50
1,2-Dichloroethane	0.521	0.655		25.72	50
Trichloroethene	0.340	0.376		10.59	50
1,2-Dichloropropane	0.372	0.410		10.22	50
Bromodichloromethane	0.516	0.612		18.6	50
4-Methyl-2-Pentanone	0.587	0.701		19.42	50
Toluene	0.849	0.978		15.19	50
t-1,3-Dichloropropene	0.431	0.530		22.97	50
cis-1,3-Dichloropropene	0.503	0.608		20.88	50
1,1,2-Trichloroethane	0.350	0.391		11.71	50
2-Hexanone	0.425	0.525		23.53	50
Dibromochloromethane	0.366	0.438		19.67	50
1,2-Dibromoethane	0.349	0.404		15.76	50
Tetrachloroethene	0.320	0.359		12.19	50
Chlorobenzene	1.058	1.173	0.3	10.87	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 21:00

Lab File ID: VX045455.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.140		16.11	50
m/p-Xylenes	0.675	0.775		14.81	50
o-Xylene	0.681	0.774		13.66	50
Styrene	1.101	1.315		19.44	50
Bromoform	0.266	0.310	0.1	16.54	50
Isopropylbenzene	3.903	4.278		9.61	50
1,1,2,2-Tetrachloroethane	1.432	1.479	0.3	3.28	50
1,3-Dichlorobenzene	1.643	1.781		8.4	50
1,4-Dichlorobenzene	1.662	1.787		7.52	50
1,2-Dichlorobenzene	1.648	1.805		9.53	50
1,2-Dibromo-3-Chloropropane	0.279	0.328		17.56	50
1,2,4-Trichlorobenzene	0.938	1.039		10.77	50
1,2,3-Trichlorobenzene	0.990	1.055		6.57	50
1,2-Dichloroethane-d4	0.795	0.954		20	50
Dibromofluoromethane	0.334	0.375		12.27	50
Toluene-d8	1.212	1.279		5.53	50
4-Bromofluorobenzene	0.402	0.501		24.63	50

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

LAB CHRONICLE

OrderID:	Q1608	OrderDate:	3/19/2025 2:28:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	I51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1608-01	TT172S1-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/27/25	03/19/25
Q1608-02	RE139D1-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/27/25	03/19/25
Q1608-03	RE139D2-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/27/25	03/19/25
Q1608-04	TT205S1-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/27/25	03/19/25
Q1608-05	DUP07-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/28/25	03/19/25
Q1608-06	TT163S1-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/28/25	03/19/25
Q1608-07	RW11-MW01S-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/28/25	03/19/25
Q1608-08	RW11-MW01I-20250317	Water	SVOC-SIMGroup1	8270-Modified	03/17/25	03/20/25	03/28/25	03/19/25
Q1608-09	GM38-RW3-MW1-20250318	Water	SVOC-SIMGroup1	8270-Modified	03/18/25	03/20/25	03/27/25	03/19/25
Q1608-10	DUP08-20250318	Water	SVOC-SIMGroup1	8270-Modified	03/18/25	03/20/25	03/27/25	03/19/25
Q1608-10DL	DUP08-20250318DL	Water			03/18/25			03/19/25

LAB CHRONICLE

			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-11	RE132D1-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-14	RE132D2-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/27/25	
Q1608-14DL	RE132D2-20250318D	Water			03/18/25		03/19/25
	L						
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-15	RE132D3-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/27/25	
Q1608-15DL	RE132D3-20250318D	Water			03/18/25		03/19/25
	L						
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-16	RE132D4-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/27/25	
Q1608-17	RE132D5-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/27/25	
Q1608-17DL	RE132D5-20250318D	Water			03/18/25		03/19/25
	L						
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-18	RE132D6-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/27/25	
Q1608-18DL	RE132D6-20250318D	Water			03/18/25		03/19/25
	L						
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-19	RE132D7-20250318	Water			03/18/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-20	RE117D2-20250319	Water			03/19/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/20/25	03/28/25	
Q1608-21	TT101D2-20250319	Water			03/19/25		03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	

LAB CHRONICLE

Q1608-22	TT161S1-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-23	TT189D2-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-23DL	TT189D2-20250319DL	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-24	RW8-MW01S-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-25	RW8-MW01D1-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-26	RW8-MW01D2-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-27	RW8-MW01D3-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	
Q1608-28	DUP09-20250319	Water		03/19/25			03/19/25
			SVOC-SIMGroup1	8270-Modified	03/21/25	03/28/25	

Hit Summary Sheet SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	TT172S1-20250317								
Q1608-01	TT172S1-20250317	WATER	1,4-Dioxane	1.600		0.07	0.2	0.2	ug/L
			Total Svoc :			1.60			
			Total Concentration:			1.60			
Client ID :	RE139D1-20250317								
Q1608-02	RE139D1-20250317	WATER	1,4-Dioxane	1.900		0.08	0.22	0.22	ug/L
			Total Svoc :			1.90			
			Total Concentration:			1.90			
Client ID :	RE139D2-20250317								
Q1608-03	RE139D2-20250317	WATER	1,4-Dioxane	1.500		0.07	0.2	0.2	ug/L
			Total Svoc :			1.50			
			Total Concentration:			1.50			
Client ID :	TT205S1-20250317								
Q1608-04	TT205S1-20250317	WATER	1,4-Dioxane	0.600		0.07	0.2	0.2	ug/L
			Total Svoc :			0.60			
			Total Concentration:			0.60			
Client ID :	DUP07-20250317								
Q1608-05	DUP07-20250317	WATER	1,4-Dioxane	0.530		0.07	0.2	0.2	ug/L
			Total Svoc :			0.53			
			Total Concentration:			0.53			
Client ID :	TT163S1-20250317								
Q1608-06	TT163S1-20250317	WATER	1,4-Dioxane	0.360		0.07	0.2	0.2	ug/L
			Total Svoc :			0.36			
			Total Concentration:			0.36			
Client ID :	RW11-MW01S-20250317								
Q1608-07	RW11-MW01S-20250317	WATER	1,4-Dioxane	0.140	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.14			
			Total Concentration:			0.14			
Client ID :	GM38-RW3-MW1-20250318								
Q1608-09	GM38-RW3-MW1-20250318	WATER	1,4-Dioxane	2.100		0.07	0.2	0.2	ug/L
			Total Svoc :			2.10			
			Total Concentration:			2.10			
Client ID :	DUP08-20250318								
Q1608-10	DUP08-20250318	WATER	1,4-Dioxane	6.200	E	0.07	0.2	0.2	ug/L
			Total Svoc :			6.20			

Hit Summary Sheet SW-846

SDG No.: Q1608
Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	6.20					
Client ID :	DUP08-20250318DL								
Q1608-10DL	DUP08-20250318DL	WATER	1,4-Dioxane	6.700	D	0.14	0.4	0.4	ug/L
			Total Svoc :	6.70					
			Total Concentration:	6.70					
Client ID :	RE132D1-20250318								
Q1608-11	RE132D1-20250318	WATER	1,4-Dioxane	4.600		0.07	0.2	0.2	ug/L
			Total Svoc :	4.60					
			Total Concentration:	4.60					
Client ID :	RE132D2-20250318								
Q1608-14	RE132D2-20250318	WATER	1,4-Dioxane	6.700	E	0.07	0.21	0.21	ug/L
			Total Svoc :	6.70					
			Total Concentration:	6.70					
Client ID :	RE132D2-20250318DL								
Q1608-14DL	RE132D2-20250318DL	WATER	1,4-Dioxane	6.700	D	0.14	0.42	0.42	ug/L
			Total Svoc :	6.70					
			Total Concentration:	6.70					
Client ID :	RE132D3-20250318								
Q1608-15	RE132D3-20250318	WATER	1,4-Dioxane	5.300	E	0.07	0.2	0.2	ug/L
			Total Svoc :	5.30					
			Total Concentration:	5.30					
Client ID :	RE132D3-20250318DL								
Q1608-15DL	RE132D3-20250318DL	WATER	1,4-Dioxane	5.200	D	0.14	0.4	0.4	ug/L
			Total Svoc :	5.20					
			Total Concentration:	5.20					
Client ID :	RE132D4-20250318								
Q1608-16	RE132D4-20250318	WATER	1,4-Dioxane	4.900		0.07	0.2	0.2	ug/L
			Total Svoc :	4.90					
			Total Concentration:	4.90					
Client ID :	RE132D5-20250318								
Q1608-17	RE132D5-20250318	WATER	1,4-Dioxane	5.700	E	0.07	0.2	0.2	ug/L
			Total Svoc :	5.70					
			Total Concentration:	5.70					
Client ID :	RE132D5-20250318DL								
Q1608-17DL	RE132D5-20250318DL	WATER	1,4-Dioxane	6.100	D	0.14	0.4	0.4	ug/L
			Total Svoc :	6.10					

Hit Summary Sheet SW-846

SDG No.: Q1608
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			6.10					
Client ID :	RE132D6-20250318							
Q1608-18	RE132D6-20250318	WATER	1,4-Dioxane	6.900	E	0.07	0.21	0.21 ug/L
Total Svoc :			6.90					
Total Concentration:			6.90					
Client ID :	RE132D6-20250318DL							
Q1608-18DL	RE132D6-20250318DL	WATER	1,4-Dioxane	6.800	D	0.15	0.42	0.42 ug/L
Total Svoc :			6.80					
Total Concentration:			6.80					
Client ID :	RE132D7-20250318							
Q1608-19	RE132D7-20250318	WATER	1,4-Dioxane	3.900		0.08	0.23	0.23 ug/L
Total Svoc :			3.90					
Total Concentration:			3.90					
Client ID :	TT101D2-20250319							
Q1608-21	TT101D2-20250319	WATER	1,4-Dioxane	4.300		0.08	0.22	0.22 ug/L
Total Svoc :			4.30					
Total Concentration:			4.30					
Client ID :	TT161S1-20250319							
Q1608-22	TT161S1-20250319	WATER	1,4-Dioxane	0.340		0.07	0.2	0.2 ug/L
Total Svoc :			0.34					
Total Concentration:			0.34					
Client ID :	TT189D2-20250319							
Q1608-23	TT189D2-20250319	WATER	1,4-Dioxane	6.100	E	0.07	0.21	0.21 ug/L
Total Svoc :			6.10					
Total Concentration:			6.10					
Client ID :	TT189D2-20250319DL							
Q1608-23DL	TT189D2-20250319DL	WATER	1,4-Dioxane	5.900	D	0.14	0.42	0.42 ug/L
Total Svoc :			5.90					
Total Concentration:			5.90					
Client ID :	RW8-MW01S-20250319							
Q1608-24	RW8-MW01S-20250319	WATER	1,4-Dioxane	0.740		0.07	0.2	0.2 ug/L
Total Svoc :			0.74					
Total Concentration:			0.74					
Client ID :	RW8-MW01D1-20250319							
Q1608-25	RW8-MW01D1-2025031	WATER	1,4-Dioxane	0.320		0.07	0.2	0.2 ug/L
Total Svoc :			0.32					



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

Hit Summary Sheet
SW-846

SDG No.: Q1608
Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	0.32					
Client ID :	DUP09-20250319								
Q1608-28	DUP09-20250319	WATER	1,4-Dioxane	0.720		0.07	0.2	0.2	ug/L
			Total Svoc :	0.72					
			Total Concentration:	0.72					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	TT172S1-20250317		SDG No.:	Q1608
Lab Sample ID:	Q1608-01		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
BN036731.D	1	03/20/25 10:49	03/27/25 11:01	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.60		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		122%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1890	7.703				
1146-65-2	Naphthalene-d8	4450	10.487				
15067-26-2	Acenaphthene-d10	2730	14.345				
1517-22-2	Phenanthrene-d10	5790	17.086				
1719-03-5	Chrysene-d12	4690	21.277				
1520-96-3	Perylene-d12	3460	23.525				

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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D1-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-02		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	900	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
BN036732.D	1	03/20/25 10:49	03/27/25 11:38	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.90		0.080	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	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	1520	7.703				
1146-65-2	Naphthalene-d8	3630	10.488				
15067-26-2	Acenaphthene-d10	2300	14.345				
1517-22-2	Phenanthrene-d10	4910	17.087				
1719-03-5	Chrysene-d12	4300	21.277				
1520-96-3	Perylene-d12	3740	23.525				

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:	03/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE139D2-20250317		SDG No.:	Q1608	
Lab Sample ID:	Q1608-03		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036745.D	1	03/20/25 10:49	03/27/25 19:51	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		116%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		101%	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	1780	7.703				
1146-65-2	Naphthalene-d8	4100	10.488				
15067-26-2	Acenaphthene-d10	2550	14.345				
1517-22-2	Phenanthrene-d10	5580	17.087				
1719-03-5	Chrysene-d12	4810	21.277				
1520-96-3	Perylene-d12	4210	23.525				

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	TT205S1-20250317		SDG No.:	Q1608
Lab Sample ID:	Q1608-04		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036746.D	1	03/20/25 10:49	03/27/25 20:27	PB167232

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	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 - 150		125%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.44	*	53 - 106		111%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1290	7.703				
1146-65-2	Naphthalene-d8	3210	10.487				
15067-26-2	Acenaphthene-d10	2000	14.345				
1517-22-2	Phenanthrene-d10	4490	17.086				
1719-03-5	Chrysene-d12	3920	21.277				
1520-96-3	Perylene-d12	3560	23.522				

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	DUP07-20250317		SDG No.:	Q1608
Lab Sample ID:	Q1608-05		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036783.D	1	03/20/25 10:49	03/28/25 21:14	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.53		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		118%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		124%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1410	7.695				
1146-65-2	Naphthalene-d8	3530	10.487				
15067-26-2	Acenaphthene-d10	2300	14.334				
1517-22-2	Phenanthrene-d10	4970	17.086				
1719-03-5	Chrysene-d12	4270	21.277				
1520-96-3	Perylene-d12	3490	23.519				

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	TT163S1-20250317		SDG No.:	Q1608
Lab Sample ID:	Q1608-06		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
BN036784.D	1	03/20/25 10:49	03/28/25 21:51	PB167232

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	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		114%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	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	1740	7.696				
1146-65-2	Naphthalene-d8	4220	10.487				
15067-26-2	Acenaphthene-d10	2600	14.334				
1517-22-2	Phenanthrene-d10	5470	17.086				
1719-03-5	Chrysene-d12	4420	21.277				
1520-96-3	Perylene-d12	3770	23.519				

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RW11-MW01S-20250317		SDG No.:	Q1608
Lab Sample ID:	Q1608-07		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
BN036785.D	1	03/20/25 10:49	03/28/25 22:26	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.14	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		116%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1340		7.695			
1146-65-2	Naphthalene-d8	3440		10.487			
15067-26-2	Acenaphthene-d10	2110		14.334			
1517-22-2	Phenanthrene-d10	4720		17.086			
1719-03-5	Chrysene-d12	3920		21.277			
1520-96-3	Perylene-d12	3290		23.519			

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RW11-MW011-20250317		SDG No.:	Q1608
Lab Sample ID:	Q1608-08		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
BN036786.D	1	03/20/25 10:49	03/28/25 23:02	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	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	1260	7.696				
1146-65-2	Naphthalene-d8	3180	10.488				
15067-26-2	Acenaphthene-d10	2020	14.334				
1517-22-2	Phenanthrene-d10	4340	17.087				
1719-03-5	Chrysene-d12	3800	21.277				
1520-96-3	Perylene-d12	3360	23.516				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	GM38-RW3-MW1-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-09		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036743.D	1	03/20/25 10:49	03/27/25 18:39	PB167232

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	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 - 150		124%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	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	1620	7.703				
1146-65-2	Naphthalene-d8	3790	10.487				
15067-26-2	Acenaphthene-d10	2340	14.345				
1517-22-2	Phenanthrene-d10	5100	17.086				
1719-03-5	Chrysene-d12	4220	21.277				
1520-96-3	Perylene-d12	3690	23.522				

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	DUP08-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-10		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036744.D	1	03/20/25 10:49	03/27/25 19:15	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.20	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	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	1500		7.703			
1146-65-2	Naphthalene-d8	3630		10.487			
15067-26-2	Acenaphthene-d10	2230		14.345			
1517-22-2	Phenanthrene-d10	5170		17.086			
1719-03-5	Chrysene-d12	4660		21.277			
1520-96-3	Perylene-d12	4210		23.522			

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	DUP08-20250318DL		SDG No.:	Q1608
Lab Sample ID:	Q1608-10DL		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
BN036775.D	2	03/20/25 10:49	03/28/25 16:25	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.70	D	0.14	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1380		7.696			
1146-65-2	Naphthalene-d8	3370		10.488			
15067-26-2	Acenaphthene-d10	2320		14.334			
1517-22-2	Phenanthrene-d10	5120		17.087			
1719-03-5	Chrysene-d12	4330		21.277			
1520-96-3	Perylene-d12	3810		23.519			

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-11		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
BN036765.D	1	03/20/25 10:49	03/28/25 08:34	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.60		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		103%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.52		30 - 150		130%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		111%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1110	7.703				
1146-65-2	Naphthalene-d8	2730	10.488				
15067-26-2	Acenaphthene-d10	1740	14.334				
1517-22-2	Phenanthrene-d10	3890	17.087				
1719-03-5	Chrysene-d12	3480	21.277				
1520-96-3	Perylene-d12	3030	23.519				

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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14		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
BN036747.D	1	03/20/25 10:49	03/27/25 21:03	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.70	E	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		73%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	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	1500		7.703			
1146-65-2	Naphthalene-d8	3630		10.487			
15067-26-2	Acenaphthene-d10	2260		14.345			
1517-22-2	Phenanthrene-d10	5080		17.086			
1719-03-5	Chrysene-d12	4410		21.277			
1520-96-3	Perylene-d12	3910		23.522			

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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D2-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-14DL		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
BN036776.D	2	03/20/25 10:49	03/28/25 17:02	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.70	D	0.14	0.42	0.42	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		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1410		7.696			
1146-65-2	Naphthalene-d8	3420		10.487			
15067-26-2	Acenaphthene-d10	2410		14.334			
1517-22-2	Phenanthrene-d10	5430		17.086			
1719-03-5	Chrysene-d12	4280		21.277			
1520-96-3	Perylene-d12	3740		23.519			

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE132D3-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-15		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
BN036748.D	1	03/20/25 10:49	03/27/25 21:39	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.30	E	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	0.46		30 - 150		114%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1490	7.703				
1146-65-2	Naphthalene-d8	3650	10.487				
15067-26-2	Acenaphthene-d10	2300	14.345				
1517-22-2	Phenanthrene-d10	5200	17.086				
1719-03-5	Chrysene-d12	4670	21.277				
1520-96-3	Perylene-d12	4010	23.525				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D3-20250318DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-15DL		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
BN036777.D	2	03/20/25 10:49	03/28/25 17:38	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.20	D	0.14	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	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	1520		7.703			
1146-65-2	Naphthalene-d8	3590		10.487			
15067-26-2	Acenaphthene-d10	2160		14.334			
1517-22-2	Phenanthrene-d10	5040		17.086			
1719-03-5	Chrysene-d12	3980		21.277			
1520-96-3	Perylene-d12	3470		23.519			

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-16	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
BN036749.D	1	03/20/25 10:49	03/27/25 22:15	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.90		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.48		30 - 150		120%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1860	7.703				
1146-65-2	Naphthalene-d8	4600	10.488				
15067-26-2	Acenaphthene-d10	2950	14.334				
1517-22-2	Phenanthrene-d10	6370	17.087				
1719-03-5	Chrysene-d12	5660	21.277				
1520-96-3	Perylene-d12	5000	23.522				

U = Not Detected

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LOD = Limit of Detection

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J = Estimated Value

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-17		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
BN036750.D	1	03/20/25 10:49	03/27/25 22:51	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.70	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		55 - 111		59%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		67%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1590		7.703			
1146-65-2	Naphthalene-d8	3890		10.487			
15067-26-2	Acenaphthene-d10	2370		14.345			
1517-22-2	Phenanthrene-d10	5420		17.086			
1719-03-5	Chrysene-d12	4980		21.277			
1520-96-3	Perylene-d12	4460		23.522			

U = Not Detected

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-17DL	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
BN036778.D	2	03/20/25 10:49	03/28/25 18:14	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.10	D	0.14	0.40	0.40	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	0.24		55 - 111		60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		62%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		109%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1470		7.696			
1146-65-2	Naphthalene-d8	3310		10.487			
15067-26-2	Acenaphthene-d10	2290		14.334			
1517-22-2	Phenanthrene-d10	5170		17.086			
1719-03-5	Chrysene-d12	4190		21.277			
1520-96-3	Perylene-d12	3840		23.519			

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-18		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	950	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
BN036751.D	1	03/20/25 10:49	03/27/25 23:27	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.90	E	0.070	0.21	0.21	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	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1580		7.703			
1146-65-2	Naphthalene-d8	3760		10.487			
15067-26-2	Acenaphthene-d10	2380		14.345			
1517-22-2	Phenanthrene-d10	5300		17.086			
1719-03-5	Chrysene-d12	4610		21.277			
1520-96-3	Perylene-d12	3990		23.522			

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318DL		SDG No.:	Q1608
Lab Sample ID:	Q1608-18DL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	950	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
BN036779.D	2	03/20/25 10:49	03/28/25 18:50	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.80	D	0.15	0.42	0.42	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	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	1530		7.703			
1146-65-2	Naphthalene-d8	3510		10.487			
15067-26-2	Acenaphthene-d10	2350		14.345			
1517-22-2	Phenanthrene-d10	5160		17.086			
1719-03-5	Chrysene-d12	4130		21.277			
1520-96-3	Perylene-d12	3580		23.519			

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318		SDG No.:	Q1608
Lab Sample ID:	Q1608-19		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	880	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
BN036752.D	1	03/20/25 10:49	03/28/25 00:03	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.90		0.080	0.23	0.23	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1470	7.703				
1146-65-2	Naphthalene-d8	3370	10.498				
15067-26-2	Acenaphthene-d10	2180	14.345				
1517-22-2	Phenanthrene-d10	4850	17.086				
1719-03-5	Chrysene-d12	4340	21.277				
1520-96-3	Perylene-d12	3910	23.525				

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RE117D2-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-20		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
BN036753.D	1	03/20/25 10:49	03/28/25 00:39	PB167232

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		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	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	1520	7.703				
1146-65-2	Naphthalene-d8	3430	10.498				
15067-26-2	Acenaphthene-d10	2300	14.345				
1517-22-2	Phenanthrene-d10	4870	17.086				
1719-03-5	Chrysene-d12	4220	21.277				
1520-96-3	Perylene-d12	3720	23.522				

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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT101D2-20250319		SDG No.:	Q1608	
Lab Sample ID:	Q1608-21		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	890	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
BN036759.D	1	03/21/25 08:40	03/28/25 04:58	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.30		0.080	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	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		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1530	7.703				
1146-65-2	Naphthalene-d8	3420	10.498				
15067-26-2	Acenaphthene-d10	2100	14.345				
1517-22-2	Phenanthrene-d10	4520	17.086				
1719-03-5	Chrysene-d12	3640	21.277				
1520-96-3	Perylene-d12	3270	23.519				

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	TT161S1-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-22		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	980	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036760.D	1	03/21/25 08:40	03/28/25 05:34	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.34		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		107%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		109%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1350	7.703				
1146-65-2	Naphthalene-d8	3230	10.487				
15067-26-2	Acenaphthene-d10	2070	14.345				
1517-22-2	Phenanthrene-d10	4500	17.086				
1719-03-5	Chrysene-d12	3750	21.277				
1520-96-3	Perylene-d12	3370	23.519				

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	TT189D2-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-23		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
BN036761.D	1	03/21/25 08:40	03/28/25 06:10	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.10	E	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		90%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1270		7.703			
1146-65-2	Naphthalene-d8	2960		10.488			
15067-26-2	Acenaphthene-d10	1900		14.345			
1517-22-2	Phenanthrene-d10	4080		17.087			
1719-03-5	Chrysene-d12	3930		21.277			
1520-96-3	Perylene-d12	3630		23.522			

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:	03/19/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	TT189D2-20250319DL		SDG No.:	Q1608	
Lab Sample ID:	Q1608-23DL		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
BN036780.D	2	03/21/25 08:40	03/28/25 19:26	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.90	D	0.14	0.42	0.42	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	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	1210		7.695			
1146-65-2	Naphthalene-d8	2840		10.487			
15067-26-2	Acenaphthene-d10	1910		14.345			
1517-22-2	Phenanthrene-d10	4330		17.086			
1719-03-5	Chrysene-d12	3880		21.277			
1520-96-3	Perylene-d12	3350		23.519			

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RW8-MW01S-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-24		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036762.D	1	03/21/25 08:40	03/28/25 06:46	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.74		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1720	7.703				
1146-65-2	Naphthalene-d8	3890	10.487				
15067-26-2	Acenaphthene-d10	2450	14.345				
1517-22-2	Phenanthrene-d10	5270	17.086				
1719-03-5	Chrysene-d12	4300	21.277				
1520-96-3	Perylene-d12	3820	23.525				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RW8-MW01D1-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-25		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036763.D	1	03/21/25 08:40	03/28/25 07:22	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.32		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		92%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		117%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		96%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1290	7.703				
1146-65-2	Naphthalene-d8	2920	10.498				
15067-26-2	Acenaphthene-d10	1860	14.345				
1517-22-2	Phenanthrene-d10	4050	17.086				
1719-03-5	Chrysene-d12	3690	21.277				
1520-96-3	Perylene-d12	3430	23.525				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-26	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036764.D	1	03/21/25 08:40	03/28/25 07:58	PB167251

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	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.47		30 - 150		118%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		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	1280	7.703				
1146-65-2	Naphthalene-d8	2830	10.498				
15067-26-2	Acenaphthene-d10	1830	14.345				
1517-22-2	Phenanthrene-d10	4020	17.099				
1719-03-5	Chrysene-d12	3600	21.277				
1520-96-3	Perylene-d12	2550	23.525				

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	RW8-MW01D3-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-27		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036781.D	1	03/21/25 08:40	03/28/25 20:02	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		73%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	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	1630	7.696				
1146-65-2	Naphthalene-d8	3710	10.487				
15067-26-2	Acenaphthene-d10	2300	14.334				
1517-22-2	Phenanthrene-d10	5150	17.086				
1719-03-5	Chrysene-d12	4270	21.277				
1520-96-3	Perylene-d12	3690	23.519				

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25
Client Sample ID:	DUP09-20250319		SDG No.:	Q1608
Lab Sample ID:	Q1608-28		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036782.D	1	03/21/25 08:40	03/28/25 20:38	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.72		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		114%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		73%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	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	1400	7.703				
1146-65-2	Naphthalene-d8	3140	10.487				
15067-26-2	Acenaphthene-d10	2060	14.345				
1517-22-2	Phenanthrene-d10	4550	17.086				
1719-03-5	Chrysene-d12	3750	21.277				
1520-96-3	Perylene-d12	3300	23.519				

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.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167232BL	PB167232BL	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.41	102		58	132
PB167232BS	PB167232BS	2-Methylnaphthalene-d10	0.4	0.43	107		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.41	102		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q1608-01	TT172S1-20250317	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.49	122		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q1608-02	RE139D1-20250317	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q1608-03	RE139D2-20250317	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.46	116		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.40	101		53	106
		Terphenyl-d14	0.4	0.44	110		58	132
Q1608-04	TT205S1-20250317	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.50	125		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.44	111	*	53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q1608-05	DUP07-20250317	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.47	118		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.50	124		58	132
Q1608-06	TT163S1-20250317	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.46	114		30	150
		Nitrobenzene-d5	0.4	0.28	71		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.46	115		58	132
Q1608-07	RW11-MW01S-20250317	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.47	116		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q1608-08	RW11-MW01I-20250317	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q1608-09	GM38-RW3-MW1-20250318	2-Methylnaphthalene-d10	0.4	0.34	84		30	150

Surrogate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q1608-09	GM38-RW3-MW1-20250318	Fluoranthene-d10	0.4	0.50	124		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q1608-10	DUP08-20250318	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.44	110		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
Q1608-10DL	DUP08-20250318DL	Terphenyl-d14	0.4	0.38	94		58	132
		2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.45	112		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
Q1608-11	RE132D1-20250318	2-Fluorobiphenyl	0.4	0.25	63		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
		2-Methylnaphthalene-d10	0.4	0.41	103		30	150
		Fluoranthene-d10	0.4	0.52	130		30	150
Q1608-12MS	RE132D1-20250318MS	Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.44	111		58	132
		2-Methylnaphthalene-d10	0.4	0.36	91		30	150
Q1608-13MSD	RE132D1-20250318MSD	Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
Q1608-14	RE132D2-20250318	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
		Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.37	94		53	106
Q1608-14DL	RE132D2-20250318DL	Terphenyl-d14	0.4	0.41	102		58	132
		2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.29	73		55	111
Q1608-15	RE132D3-20250318	2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.38	94		58	132
		2-Methylnaphthalene-d10	0.4	0.32	81		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
Q1608-15DL	RE132D3-20250318DL	Nitrobenzene-d5	0.4	0.28	69		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
		2-Methylnaphthalene-d10	0.4	0.34	86		30	150
Q1608-16	RE132D4-20250318	Fluoranthene-d10	0.4	0.46	114		30	150
		Nitrobenzene-d5	0.4	0.31	79		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q1608-15DL	RE132D3-20250318DL	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
Q1608-16	RE132D4-20250318	Terphenyl-d14	0.4	0.41	103		58	132
		2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.48	120		30	150

Surrogate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q1608-16	RE132D4-20250318	Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.41	101		58	132
Q1608-17	RE132D5-20250318	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.24	59		55	111
Q1608-17DL	RE132D5-20250318DL	2-Fluorobiphenyl	0.4	0.27	67		53	106
		Terphenyl-d14	0.4	0.41	102		58	132
		2-Methylnaphthalene-d10	0.4	0.27	68		30	150
Q1608-18	RE132D6-20250318	Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.24	60		55	111
		2-Fluorobiphenyl	0.4	0.25	62		53	106
Q1608-18DL	RE132D6-20250318DL	Terphenyl-d14	0.4	0.44	109		58	132
		2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
Q1608-19	RE132D7-20250318	Nitrobenzene-d5	0.4	0.28	69		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.41	101		58	132
Q1608-20	RE117D2-20250319	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.27	67		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.42	104		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.43	106		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
		2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.42	105		58	132

Surrogate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167251BL	PB167251BL	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.40	101		58	132
PB167251BS	PB167251BS	2-Methylnaphthalene-d10	0.4	0.44	111		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.39	96		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
PB167251BSD	PB167251BSD	2-Methylnaphthalene-d10	0.4	0.43	108		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q1608-21	TT101D2-20250319	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.40	101		58	132
Q1608-22	TT161S1-20250319	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.43	107		30	150
		Nitrobenzene-d5	0.4	0.30	74		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.44	109		58	132
Q1608-23	TT189D2-20250319	2-Methylnaphthalene-d10	0.4	0.29	74		30	150
		Fluoranthene-d10	0.4	0.44	111		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
Q1608-23DL	TT189D2-20250319DL	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.45	112		30	150
		Nitrobenzene-d5	0.4	0.28	71		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.37	92		58	132
Q1608-24	RW8-MW01S-20250319	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.44	111		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.40	101		58	132
Q1608-25	RW8-MW01D1-20250319	2-Methylnaphthalene-d10	0.4	0.37	92		30	150
		Fluoranthene-d10	0.4	0.47	117		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.34	85		53	106
		Terphenyl-d14	0.4	0.38	96		58	132
Q1608-26	RW8-MW01D2-20250319	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.47	118		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
Q1608-27	RW8-MW01D3-20250319	2-Methylnaphthalene-d10	0.4	0.31	77		30	150

Surrogate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q1608-27	RW8-MW01D3-20250319	Fluoranthene-d10	0.4	0.44	110		30	150
		Nitrobenzene-d5	0.4	0.29	73		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q1608-28	DUP09-20250319	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.46	114		30	150
		Nitrobenzene-d5	0.4	0.29	73		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.41	103		58	132



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q1608
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: Q1608-12MS		Client Sample ID: RE132D1-20250318MS						DataFile: BN036766.D			
1,4-Dioxane	0.4	4.60	5.10	ug/L	125				70	130	



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q1608
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: Q1608-13MSD		Client Sample ID: RE132D1-20250318MSD						DataFile: BN036767.D			
1,4-Dioxane	0.4	4.60	5.00	ug/L	100		22	*	70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified **DataFile:** BN036754.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB167232BS	1,4-Dioxane	0.4	0.37	ug/L	93				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified **DataFile:** BN036787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167251BS	1,4-Dioxane	0.4	0.34	ug/L	85				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified **DataFile:** BN036788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB167251BSD	1,4-Dioxane	0.4	0.34	ug/L	85	0			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167232BL

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q1608

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: BN036730.D

Lab Sample ID: PB167232BL

Instrument ID: BNA_N

Date Extracted: 03/20/2025

Matrix: (soil/water) Water

Date Analyzed: 03/27/2025

Level: (low/med) LOW

Time Analyzed: 10:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167232BS	PB167232BS	BN036754.D	03/28/2025
TT172S1-20250317	Q1608-01	BN036731.D	03/27/2025
RE139D1-20250317	Q1608-02	BN036732.D	03/27/2025
DUP07-20250317	Q1608-05	BN036783.D	03/28/2025
TT163S1-20250317	Q1608-06	BN036784.D	03/28/2025
RW11-MW01S-20250317	Q1608-07	BN036785.D	03/28/2025
RW11-MW01I-20250317	Q1608-08	BN036786.D	03/28/2025
RE139D2-20250317	Q1608-03	BN036745.D	03/27/2025
GM38-RW3-MW1-20250318	Q1608-09	BN036743.D	03/27/2025
DUP08-20250318	Q1608-10	BN036744.D	03/27/2025
TT205S1-20250317	Q1608-04	BN036746.D	03/27/2025
RE132D2-20250318	Q1608-14	BN036747.D	03/27/2025
RE132D3-20250318	Q1608-15	BN036748.D	03/27/2025
RE132D1-20250318	Q1608-11	BN036765.D	03/28/2025
RE132D1-20250318MS	Q1608-12MS	BN036766.D	03/28/2025
RE132D1-20250318MSD	Q1608-13MSD	BN036767.D	03/28/2025
RE132D4-20250318	Q1608-16	BN036749.D	03/27/2025
RE132D5-20250318	Q1608-17	BN036750.D	03/27/2025
RE132D6-20250318	Q1608-18	BN036751.D	03/27/2025
RE132D7-20250318	Q1608-19	BN036752.D	03/28/2025
RE117D2-20250319	Q1608-20	BN036753.D	03/28/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167251BL

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q1608

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: BN036739.D

Lab Sample ID: PB167251BL

Instrument ID: BNA_N

Date Extracted: 03/21/2025

Matrix: (soil/water) Water

Date Analyzed: 03/27/2025

Level: (low/med) LOW

Time Analyzed: 16:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167251BS	PB167251BS	BN036787.D	03/28/2025
PB167251BSD	PB167251BSD	BN036788.D	03/29/2025
RW8-MW01D3-20250319	Q1608-27	BN036781.D	03/28/2025
DUP09-20250319	Q1608-28	BN036782.D	03/28/2025
TT101D2-20250319	Q1608-21	BN036759.D	03/28/2025
TT161S1-20250319	Q1608-22	BN036760.D	03/28/2025
TT189D2-20250319	Q1608-23	BN036761.D	03/28/2025
RW8-MW01S-20250319	Q1608-24	BN036762.D	03/28/2025
RW8-MW01D1-20250319	Q1608-25	BN036763.D	03/28/2025
RW8-MW01D2-20250319	Q1608-26	BN036764.D	03/28/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q1608

SDG NO.: Q1608

Lab File ID: BN036556.D

DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_N

DFTPP Injection Time: 11:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	58.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	52.3
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.9 (19.6) 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	BN036557.D	03/10/2025	11:42
SSTDICC0.2	SSTDICC0.2	BN036558.D	03/10/2025	12:18
SSTDICCC0.4	SSTDICCC0.4	BN036559.D	03/10/2025	12:54
SSTDICC0.8	SSTDICC0.8	BN036560.D	03/10/2025	13:31
SSTDICC1.6	SSTDICC1.6	BN036561.D	03/10/2025	14:07
SSTDICC3.2	SSTDICC3.2	BN036562.D	03/10/2025	14:43
SSTDICC5.0	SSTDICC5.0	BN036563.D	03/10/2025	15:19

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: BN036728.D

DFTPP Injection Date: 03/27/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	67.4
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	56.4
70	Less than 2.0% of mass 69	0.8 (1.4) 1
127	10.0 - 80.0% of mass 198	52.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	24.3
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	7.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.3 (19.5) 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	BN036729.D	03/27/2025	09:49
PB167232BL	PB167232BL	BN036730.D	03/27/2025	10:25
TT172S1-20250317	Q1608-01	BN036731.D	03/27/2025	11:01
RE139D1-20250317	Q1608-02	BN036732.D	03/27/2025	11:38
SSTDCCC0.4EC	SSTDCCC0.4	BN036736.D	03/27/2025	14:02

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: BN036737.D

DFTPP Injection Date: 03/27/2025

Instrument ID: BNA_N

DFTPP Injection Time: 14:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	66.6
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	56.1
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	53
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	8.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.8 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036738.D	03/27/2025	15:38
PB167251BL	PB167251BL	BN036739.D	03/27/2025	16:14
GM38-RW3-MW1-20250318	Q1608-09	BN036743.D	03/27/2025	18:39
DUP08-20250318	Q1608-10	BN036744.D	03/27/2025	19:15
RE139D2-20250317	Q1608-03	BN036745.D	03/27/2025	19:51
TT205S1-20250317	Q1608-04	BN036746.D	03/27/2025	20:27
RE132D2-20250318	Q1608-14	BN036747.D	03/27/2025	21:03
RE132D3-20250318	Q1608-15	BN036748.D	03/27/2025	21:39
RE132D4-20250318	Q1608-16	BN036749.D	03/27/2025	22:15
RE132D5-20250318	Q1608-17	BN036750.D	03/27/2025	22:51
RE132D6-20250318	Q1608-18	BN036751.D	03/27/2025	23:27
RE132D7-20250318	Q1608-19	BN036752.D	03/28/2025	00:03
RE117D2-20250319	Q1608-20	BN036753.D	03/28/2025	00:39
PB167232BS	PB167232BS	BN036754.D	03/28/2025	01:16
SSTDCCC0.4EC	SSTDCCC0.4	BN036755.D	03/28/2025	01:52

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: BN036756.D

DFTPP Injection Date: 03/28/2025

Instrument ID: BNA_N

DFTPP Injection Time: 03:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	67
68	Less than 2.0% of mass 69	0.9 (1.5) 1
69	Mass 69 relative abundance	57.5
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	8.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.3 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036757.D	03/28/2025	03:46
TT101D2-20250319	Q1608-21	BN036759.D	03/28/2025	04:58
TT161S1-20250319	Q1608-22	BN036760.D	03/28/2025	05:34
TT189D2-20250319	Q1608-23	BN036761.D	03/28/2025	06:10
RW8-MW01S-20250319	Q1608-24	BN036762.D	03/28/2025	06:46
RW8-MW01D1-20250319	Q1608-25	BN036763.D	03/28/2025	07:22
RW8-MW01D2-20250319	Q1608-26	BN036764.D	03/28/2025	07:58
RE132D1-20250318	Q1608-11	BN036765.D	03/28/2025	08:34
RE132D1-20250318MS	Q1608-12MS	BN036766.D	03/28/2025	10:22
RE132D1-20250318MSD	Q1608-13MSD	BN036767.D	03/28/2025	10:58
SSTDCCC0.4EC	SSTDCCC0.4	BN036771.D	03/28/2025	13:58

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q1608

SDG NO.: Q1608

Lab File ID: BN036772.D

DFTPP Injection Date: 03/28/2025

Instrument ID: BNA_N

DFTPP Injection Time: 14:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.1
68	Less than 2.0% of mass 69	0.3 (0.6) 1
69	Mass 69 relative abundance	57.8
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	53.7
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
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.6 (18.6) 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	BN036773.D	03/28/2025	15:14
DUP08-20250318DL	Q1608-10DL	BN036775.D	03/28/2025	16:25
RE132D2-20250318DL	Q1608-14DL	BN036776.D	03/28/2025	17:02
RE132D3-20250318DL	Q1608-15DL	BN036777.D	03/28/2025	17:38
RE132D5-20250318DL	Q1608-17DL	BN036778.D	03/28/2025	18:14
RE132D6-20250318DL	Q1608-18DL	BN036779.D	03/28/2025	18:50
TT189D2-20250319DL	Q1608-23DL	BN036780.D	03/28/2025	19:26
RW8-MW01D3-20250319	Q1608-27	BN036781.D	03/28/2025	20:02
DUP09-20250319	Q1608-28	BN036782.D	03/28/2025	20:38
DUP07-20250317	Q1608-05	BN036783.D	03/28/2025	21:14
TT163S1-20250317	Q1608-06	BN036784.D	03/28/2025	21:51
RW11-MW01S-20250317	Q1608-07	BN036785.D	03/28/2025	22:26
RW11-MW01I-20250317	Q1608-08	BN036786.D	03/28/2025	23:02
PB167251BS	PB167251BS	BN036787.D	03/28/2025	23:38
PB167251BSD	PB167251BSD	BN036788.D	03/29/2025	00:14
SSTDCCC0.4EC	SSTDCCC0.4	BN036789.D	03/29/2025	00:50

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/27/2025

Lab File ID: BN036729.D Time Analyzed: 09:49

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	2892	7.703	7150	10.49	4255	14.35
UPPER LIMIT	5784	8.203	14300	10.987	8510	14.845
LOWER LIMIT	1446	7.203	3575	9.987	2127.5	13.845
EPA SAMPLE NO.						
01 PB167232BL	2375	7.70	5327	10.49	2983	14.35
02 TT172S1-20250317	1886	7.70	4452	10.49	2731	14.35
03 RE139D1-20250317	1518	7.70	3632	10.49	2296	14.35

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/27/2025

Lab File ID: BN036729.D Time Analyzed: 09:49

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	8860	17.086	7759	21.277	6723	23.522
UPPER LIMIT	17720	17.586	15518	21.777	13446	24.022
LOWER LIMIT	4430	16.586	3879.5	20.777	3361.5	23.022
EPA SAMPLE NO.						
01 PB167232BL	6223	17.09	4811	21.28	4142	23.53
02 TT172S1-20250317	5790	17.09	4693	21.28	3462	23.53
03 RE139D1-20250317	4907	17.09	4299	21.28	3740	23.53

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/27/2025

Lab File ID: BN036738.D Time Analyzed: 15:38

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	1523	7.703	3803	10.49	2348	14.35
UPPER LIMIT	3046	8.203	7606	10.987	4696	14.845
LOWER LIMIT	761.5	7.203	1901.5	9.987	1174	13.845
EPA SAMPLE NO.						
01 PB167251BL	1359	7.70	2889	10.50	1699	14.36
02 RE139D2-20250317	1782	7.70	4096	10.49	2547	14.35
03 TT205S1-20250317	1291	7.70	3205	10.49	2003	14.35
04 GM38-RW3-MW1-20250318	1616	7.70	3792	10.49	2336	14.35
05 DUP08-20250318	1495	7.70	3627	10.49	2226	14.35
06 RE132D2-20250318	1503	7.70	3626	10.49	2260	14.35
07 RE132D3-20250318	1486	7.70	3645	10.49	2300	14.35
08 PB167232BS	1547	7.70	3543	10.49	1990	14.35
09 RE132D4-20250318	1863	7.70	4600	10.49	2953	14.33
10 RE132D5-20250318	1585	7.70	3885	10.49	2369	14.35
11 RE132D6-20250318	1580	7.70	3758	10.49	2377	14.35
12 RE132D7-20250318	1467	7.70	3369	10.50	2179	14.35
13 RE117D2-20250319	1517	7.70	3430	10.50	2301	14.35

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/27/2025

Lab File ID: BN036738.D Time Analyzed: 15:38

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	4989	17.086	4385	21.277	4045	23.525
	UPPER LIMIT	9978	17.586	8770	21.777	8090	24.025
	LOWER LIMIT	2494.5	16.586	2192.5	20.777	2022.5	23.025
	EPA SAMPLE NO.						
01	PB167251BL	3701	17.10	3168	21.29	2693	23.53
02	RE139D2-20250317	5581	17.09	4807	21.28	4214	23.53
03	TT205S1-20250317	4493	17.09	3924	21.28	3555	23.52
04	GM38-RW3-MW1-20250318	5096	17.09	4215	21.28	3687	23.52
05	DUP08-20250318	5166	17.09	4662	21.28	4214	23.52
06	RE132D2-20250318	5080	17.09	4409	21.28	3909	23.52
07	RE132D3-20250318	5196	17.09	4674	21.28	4006	23.53
08	PB167232BS	4558	17.09	3774	21.28	3342	23.52
09	RE132D4-20250318	6367	17.09	5663	21.28	4996	23.52
10	RE132D5-20250318	5421	17.09	4977	21.28	4460	23.52
11	RE132D6-20250318	5303	17.09	4607	21.28	3992	23.52
12	RE132D7-20250318	4845	17.09	4336	21.28	3908	23.53
13	RE117D2-20250319	4871	17.09	4219	21.28	3720	23.52

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/28/2025

Lab File ID: BN036757.D Time Analyzed: 03:46

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	1974	7.703	4607	10.49	2750	14.33
UPPER LIMIT	3948	8.203	9214	10.988	5500	14.834
LOWER LIMIT	987	7.203	2303.5	9.988	1375	13.834
EPA SAMPLE NO.						
01 TT101D2-20250319	1526	7.70	3415	10.50	2100	14.35
02 TT161S1-20250319	1354	7.70	3227	10.49	2069	14.35
03 TT189D2-20250319	1268	7.70	2959	10.49	1903	14.35
04 RW8-MW01S-20250319	1717	7.70	3891	10.49	2454	14.35
05 RW8-MW01D1-20250319	1286	7.70	2922	10.50	1856	14.35
06 RW8-MW01D2-20250319	1275	7.70	2834	10.50	1829	14.35
07 RE132D1-20250318	1105	7.70	2727	10.49	1743	14.33
08 RE132D1-20250318MS	1719	7.70	4220	10.49	2547	14.33
09 RE132D1-20250318MSD	1372	7.70	3404	10.49	2163	14.33

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/28/2025

Lab File ID: BN036757.D Time Analyzed: 03:46

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	5937	17.087	5680	21.277	5140	23.519
UPPER LIMIT	11874	17.587	11360	21.777	10280	24.019
LOWER LIMIT	2968.5	16.587	2840	20.777	2570	23.019
EPA SAMPLE NO.						
01 TT101D2-20250319	4518	17.09	3643	21.28	3268	23.52
02 TT161S1-20250319	4501	17.09	3749	21.28	3365	23.52
03 TT189D2-20250319	4076	17.09	3929	21.28	3627	23.52
04 RW8-MW01S-20250319	5265	17.09	4302	21.28	3816	23.53
05 RW8-MW01D1-20250319	4045	17.09	3693	21.28	3430	23.53
06 RW8-MW01D2-20250319	4015	17.10	3603	21.28	2549 *	23.53
07 RE132D1-20250318	3887	17.09	3482	21.28	3032	23.52
08 RE132D1-20250318MS	5464	17.09	5031	21.28	4284	23.52
09 RE132D1-20250318MSD	4733	17.09	4518	21.28	3998	23.52

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/28/2025

Lab File ID: BN036773.D Time Analyzed: 15:14

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	1368	7.695	3508	10.49	2285	14.33
UPPER LIMIT	2736	8.195	7016	10.987	4570	14.834
LOWER LIMIT	684	7.195	1754	9.987	1142.5	13.834
EPA SAMPLE NO.						
01 DUP07-20250317	1407	7.70	3532	10.49	2299	14.33
02 TT163S1-20250317	1736	7.70	4215	10.49	2595	14.33
03 RW11-MW01S-20250317	1339	7.70	3438	10.49	2108	14.33
04 RW11-MW01I-20250317	1258	7.70	3175	10.49	2022	14.33
05 DUP09-20250319	1404	7.70	3144	10.49	2055	14.35
06 DUP08-20250318DL	1382	7.70	3369	10.49	2315	14.33
07 RE132D2-20250318DL	1407	7.70	3418	10.49	2412	14.33
08 RE132D3-20250318DL	1524	7.70	3591	10.49	2164	14.33
09 RE132D5-20250318DL	1470	7.70	3305	10.49	2288	14.33
10 RE132D6-20250318DL	1528	7.70	3509	10.49	2347	14.35
11 TT189D2-20250319DL	1210	7.70	2842	10.49	1908	14.35
12 RW8-MW01D3-20250319	1632	7.70	3714	10.49	2302	14.33
13 PB167251BS	1517	7.70	3731	10.49	2164	14.33
14 PB167251BSD	1495	7.70	3562	10.49	2075	14.33

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 03/28/2025

Lab File ID: BN036773.D Time Analyzed: 15:14

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	4820	17.086	4311	21.277	3840	23.519
UPPER LIMIT	9640	17.586	8622	21.777	7680	24.019
LOWER LIMIT	2410	16.586	2155.5	20.777	1920	23.019
EPA SAMPLE NO.						
01 DUP07-20250317	4965	17.09	4273	21.28	3489	23.52
02 TT163S1-20250317	5466	17.09	4415	21.28	3766	23.52
03 RW11-MW01S-20250317	4716	17.09	3918	21.28	3294	23.52
04 RW11-MW01I-20250317	4337	17.09	3802	21.28	3357	23.52
05 DUP09-20250319	4548	17.09	3753	21.28	3299	23.52
06 DUP08-20250318DL	5117	17.09	4327	21.28	3811	23.52
07 RE132D2-20250318DL	5434	17.09	4284	21.28	3735	23.52
08 RE132D3-20250318DL	5035	17.09	3983	21.28	3471	23.52
09 RE132D5-20250318DL	5170	17.09	4192	21.28	3839	23.52
10 RE132D6-20250318DL	5155	17.09	4127	21.28	3575	23.52
11 TT189D2-20250319DL	4326	17.09	3875	21.28	3351	23.52
12 RW8-MW01D3-20250319	5150	17.09	4271	21.28	3690	23.52
13 PB167251BS	4675	17.09	3635	21.28	3061	23.52
14 PB167251BSD	4531	17.09	3571	21.28	3214	23.51

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:	PB167232BL		SDG No.:	Q1608
Lab Sample ID:	PB167232BL		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
BN036730.D	1	03/20/25 10:49	03/27/25 10:25	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2380	7.703				
1146-65-2	Naphthalene-d8	5330	10.488				
15067-26-2	Acenaphthene-d10	2980	14.345				
1517-22-2	Phenanthrene-d10	6220	17.087				
1719-03-5	Chrysene-d12	4810	21.277				
1520-96-3	Perylene-d12	4140	23.525				

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:	PB167251BL		SDG No.:	Q1608
Lab Sample ID:	PB167251BL		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
BN036739.D	1	03/21/25 08:40	03/27/25 16:14	PB167251

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	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1360	7.703				
1146-65-2	Naphthalene-d8	2890	10.498				
15067-26-2	Acenaphthene-d10	1700	14.356				
1517-22-2	Phenanthrene-d10	3700	17.099				
1719-03-5	Chrysene-d12	3170	21.286				
1520-96-3	Perylene-d12	2690	23.531				

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:	PB167232BS		SDG No.:	Q1608
Lab Sample ID:	PB167232BS		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
BN036754.D	1	03/20/25 10:49	03/28/25 01:16	PB167232

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	0.43		30 - 150		107%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		53 - 106		102%	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	1550	7.703				
1146-65-2	Naphthalene-d8	3540	10.487				
15067-26-2	Acenaphthene-d10	1990	14.345				
1517-22-2	Phenanthrene-d10	4560	17.086				
1719-03-5	Chrysene-d12	3770	21.277				
1520-96-3	Perylene-d12	3340	23.522				

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:	PB167251BS		SDG No.:	Q1608
Lab Sample ID:	PB167251BS		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
BN036787.D	1	03/21/25 08:40	03/28/25 23:38	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.34		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.44		30 - 150		111%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1520	7.695				
1146-65-2	Naphthalene-d8	3730	10.487				
15067-26-2	Acenaphthene-d10	2160	14.334				
1517-22-2	Phenanthrene-d10	4680	17.086				
1719-03-5	Chrysene-d12	3640	21.277				
1520-96-3	Perylene-d12	3060	23.516				

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:	PB167251BSD		SDG No.:	Q1608
Lab Sample ID:	PB167251BSD		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
BN036788.D	1	03/21/25 08:40	03/29/25 00:14	PB167251

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.34		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.43		30 - 150		108%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	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	1500	7.696				
1146-65-2	Naphthalene-d8	3560	10.487				
15067-26-2	Acenaphthene-d10	2080	14.334				
1517-22-2	Phenanthrene-d10	4530	17.086				
1719-03-5	Chrysene-d12	3570	21.277				
1520-96-3	Perylene-d12	3210	23.513				

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:	03/18/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/19/25	
Client Sample ID:	RE132D1-20250318MS		SDG No.:	Q1608	
Lab Sample ID:	Q1608-12MS		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036766.D	1	03/20/25 10:49	03/28/25 10:22	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.10	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		103%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1720		7.696			
1146-65-2	Naphthalene-d8	4220		10.488			
15067-26-2	Acenaphthene-d10	2550		14.334			
1517-22-2	Phenanthrene-d10	5460		17.087			
1719-03-5	Chrysene-d12	5030		21.277			
1520-96-3	Perylene-d12	4280		23.519			

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MSD	SDG No.:	Q1608
Lab Sample ID:	Q1608-13MSD	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
BN036767.D	1	03/20/25 10:49	03/28/25 10:58	PB167232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.00		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	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1370	7.695				
1146-65-2	Naphthalene-d8	3400	10.487				
15067-26-2	Acenaphthene-d10	2160	14.334				
1517-22-2	Phenanthrene-d10	4730	17.086				
1719-03-5	Chrysene-d12	4520	21.277				
1520-96-3	Perylene-d12	4000	23.519				

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-BN031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Mar 10 16:06:28 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN036557.D 0.2 =BN036558.D 0.4 =BN036559.D 0.8 =BN036560.D 1.6 =BN036561.D 3.2 =BN036562.D 5.0 =BN036563.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	0.434	0.439	0.498	0.451	0.440	0.445	0.399	0.444	6.60
3)	n-Nitrosodimet...	1.112	0.874	0.935	0.841	0.850	0.883	0.789	0.898	11.64
4) S	2-Fluorophenol	0.931	0.908	0.987	0.878	0.914	0.996	0.911	0.932	4.67
5) S	Phenol-d6	1.243	1.057	1.128	1.067	1.133	1.254	1.180	1.152	6.79
6)	bis(2-Chloroet...	1.426	1.150	1.183	1.129	1.132	1.210	1.104	1.190	9.22
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.572	0.396	0.415	0.401	0.402	0.450	0.411	0.435	14.47
9)	Naphthalene	1.371	1.125	1.206	1.111	1.108	1.222	1.094	1.177	8.45
10)	Hexachlorobuta...	0.296	0.283	0.294	0.267	0.261	0.286	0.251	0.277	6.24
11) SURR2	Methylnaphth...	0.656	0.549	0.606	0.562	0.577	0.633	0.581	0.595	6.55
12)	2-Methylnaphth...	0.810	0.696	0.765	0.703	0.734	0.802	0.731	0.749	6.03
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.181	0.160	0.187	0.169	0.188	0.197	0.188	0.182	7.04
15) S	2-Fluorobiphenyl	2.208	1.982	2.398	2.350	2.364	2.566	2.419	2.327	7.96
16)	Acenaphthylene	1.882	1.756	1.938	1.794	1.834	2.074	1.935	1.888	5.66
17)	Acenaphthene	1.257	1.159	1.281	1.171	1.199	1.339	1.243	1.236	5.17
18)	Fluorene	1.629	1.600	1.764	1.609	1.670	1.778	1.650	1.672	4.32
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.057	0.077	0.075	0.088	0.110	0.111	0.086		24.66
21)	4-Bromophenyl-...	0.243	0.227	0.274	0.238	0.241	0.278	0.253	0.251	7.53
22)	Hexachlorobenzene	0.306	0.288	0.336	0.295	0.283	0.322	0.289	0.303	6.58
23)	Atrazine	0.193	0.191	0.213	0.192	0.200	0.216	0.200	0.201	5.08
24)	Pentachlorophenol	0.140	0.116	0.137	0.122	0.135	0.161	0.155	0.138	11.76
25)	Phenanthrene	1.190	1.111	1.297	1.141	1.165	1.300	1.195	1.200	6.09
26)	Anthracene	1.026	0.971	1.147	1.033	1.075	1.215	1.112	1.083	7.60
27) SURR	Fluoranthene-d10	1.037	0.955	1.116	0.956	1.025	1.087	1.000	1.025	5.98
28)	Fluoranthene	1.341	1.243	1.452	1.272	1.364	1.447	1.316	1.348	5.95
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.945	2.005	2.131	1.910	1.870	1.992	1.837	1.956	5.04
31) S	Terphenyl-d14	0.962	0.965	1.028	0.924	0.915	0.987	0.926	0.958	4.23
32)	Benzo(a)anthra...	1.389	1.315	1.437	1.304	1.347	1.528	1.415	1.391	5.63
33)	Chrysene	1.486	1.509	1.610	1.507	1.462	1.616	1.448	1.520	4.44
34)	Bis(2-ethylhex...	1.196	1.100	1.044	0.865	0.946	0.912	0.870	0.990	12.74
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN031025.M

36)	Indeno(1,2,3-c...	1.160	1.316	1.546	1.404	1.417	1.693	1.571	1.444	12.27
37)	Benzo(b)fluora...	1.311	1.360	1.547	1.402	1.477	1.595	1.498	1.456	7.04
38)	Benzo(k)fluora...	1.504	1.397	1.620	1.481	1.521	1.635	1.534	1.527	5.34
39) C	Benzo(a)pyrene	1.090	1.152	1.303	1.195	1.223	1.350	1.268	1.226	7.29
40)	Dibenzo(a,h)an...	0.893	0.981	1.163	1.126	1.102	1.351	1.252	1.124	13.76
41)	Benzo(g,h,i)pe...	1.138	1.213	1.382	1.250	1.233	1.449	1.334	1.286	8.36

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608
 Instrument ID: BNA_N Calibration Date/Time: 03/27/2025 09:49
 Lab File ID: BN036729.D Init. Calib. Date(s): 03/10/2025 03/10/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.536		-9.9	20.0
Fluoranthene-d10	1.025	1.110		8.3	20.0
2-Fluorophenol	0.932	0.879		-5.7	20.0
Phenol-d6	1.152	1.073		-6.9	20.0
Nitrobenzene-d5	0.435	0.371		-14.7	20.0
2-Fluorobiphenyl	2.327	1.998		-14.1	20.0
2,4,6-Tribromophenol	0.182	0.167		-8.2	20.0
Terphenyl-d14	0.958	0.820		-14.4	20.0
1,4-Dioxane	0.444	0.426		-4.1	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: BNA_N Calibration Date/Time: 03/27/2025 14:02

Lab File ID: BN036736.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:42 15:19

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.530		-10.9	50.0
Fluoranthene-d10	1.025	1.022		-0.3	50.0
2-Fluorophenol	0.932	0.868		-6.9	50.0
Phenol-d6	1.152	1.008		-12.5	50.0
Nitrobenzene-d5	0.435	0.361		-17.0	50.0
2-Fluorobiphenyl	2.327	2.004		-13.9	50.0
2,4,6-Tribromophenol	0.182	0.174		-4.4	50.0
Terphenyl-d14	0.958	0.810		-15.4	50.0
1,4-Dioxane	0.444	0.491		10.6	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: BNA_N Calibration Date/Time: 03/27/2025 15:38

Lab File ID: BN036738.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.535		-10.1	20.0
Fluoranthene-d10	1.025	1.046		2.0	20.0
2-Fluorophenol	0.932	0.850		-8.8	20.0
Phenol-d6	1.152	1.009		-12.4	20.0
Nitrobenzene-d5	0.435	0.358		-17.7	20.0
2-Fluorobiphenyl	2.327	2.012		-13.5	20.0
2,4,6-Tribromophenol	0.182	0.176		-3.3	20.0
Terphenyl-d14	0.958	0.790		-17.5	20.0
1,4-Dioxane	0.444	0.473		6.5	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: BNA_N Calibration Date/Time: 03/28/2025 01:52

Lab File ID: BN036755.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:42 15:19

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.516		-13.3	50.0
Fluoranthene-d10	1.025	1.003		-2.1	50.0
2-Fluorophenol	0.932	0.839		-10.0	50.0
Phenol-d6	1.152	1.005		-12.8	50.0
Nitrobenzene-d5	0.435	0.357		-17.9	50.0
2-Fluorobiphenyl	2.327	1.853		-20.4	50.0
2,4,6-Tribromophenol	0.182	0.170		-6.6	50.0
Terphenyl-d14	0.958	0.759		-20.8	50.0
1,4-Dioxane	0.444	0.464		4.5	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608
 Instrument ID: BNA_N Calibration Date/Time: 03/28/2025 03:46
 Lab File ID: BN036757.D Init. Calib. Date(s): 03/10/2025 03/10/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.509		-14.5	20.0
Fluoranthene-d10	1.025	1.053		2.7	20.0
2-Fluorophenol	0.932	0.782		-16.1	20.0
Phenol-d6	1.152	0.986		-14.4	20.0
Nitrobenzene-d5	0.435	0.370		-14.9	20.0
2-Fluorobiphenyl	2.327	2.013		-13.5	20.0
2,4,6-Tribromophenol	0.182	0.184		1.1	20.0
Terphenyl-d14	0.958	0.749		-21.8	20.0
1,4-Dioxane	0.444	0.442		-0.4	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608
Instrument ID: BNA_N Calibration Date/Time: 03/28/2025 13:58
Lab File ID: BN036771.D Init. Calib. Date(s): 03/10/2025 03/10/2025
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:42 15:19
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.540		-9.2	50.0
Fluoranthene-d10	1.025	1.012		-1.3	50.0
2-Fluorophenol	0.932	0.846		-9.2	50.0
Phenol-d6	1.152	1.010		-12.3	50.0
Nitrobenzene-d5	0.435	0.354		-18.6	50.0
2-Fluorobiphenyl	2.327	2.021		-13.1	50.0
2,4,6-Tribromophenol	0.182	0.177		-2.7	50.0
Terphenyl-d14	0.958	0.816		-14.8	50.0
1,4-Dioxane	0.444	0.460		3.6	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: BNA_N Calibration Date/Time: 03/28/2025 15:14

Lab File ID: BN036773.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.548		-7.9	20.0
Fluoranthene-d10	1.025	1.058		3.2	20.0
2-Fluorophenol	0.932	0.827		-11.3	20.0
Phenol-d6	1.152	0.964		-16.3	20.0
Nitrobenzene-d5	0.435	0.365		-16.1	20.0
2-Fluorobiphenyl	2.327	1.931		-17.0	20.0
2,4,6-Tribromophenol	0.182	0.175		-3.8	20.0
Terphenyl-d14	0.958	0.770		-19.6	20.0
1,4-Dioxane	0.444	0.447		0.7	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608
 Instrument ID: BNA_N Calibration Date/Time: 03/29/2025 00:50
 Lab File ID: BN036789.D Init. Calib. Date(s): 03/10/2025 03/10/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:42 15:19
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.529		-11.1	50.0
Fluoranthene-d10	1.025	1.034		0.9	50.0
2-Fluorophenol	0.932	0.840		-9.9	50.0
Phenol-d6	1.152	0.971		-15.7	50.0
Nitrobenzene-d5	0.435	0.371		-14.7	50.0
2-Fluorobiphenyl	2.327	1.920		-17.5	50.0
2,4,6-Tribromophenol	0.182	0.178		-2.2	50.0
Terphenyl-d14	0.958	0.781		-18.5	50.0
1,4-Dioxane	0.444	0.434		-2.3	50.0

All other compounds must meet a minimum RRF of 0.010.