

LAB CHRONICLE

OrderID:	Q3688	OrderDate:	11/19/2025 4:37:47 PM
Client:	WSP USA Inc.	Project:	Sharkey Landfill Site FYR Reuse Morris County NJ
Contact:	Tricia Landes	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3688-01	M-31S	Water	SVOCMS Group1	SFAM_SVOC	11/19/25	11/21/25	11/25/25	11/19/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/21/25	12/02/25	
Q3688-04	RBGW-20251119	Water	SVOCMS Group1	SFAM_SVOC	11/19/25	11/21/25	11/25/25	11/19/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/21/25	12/02/25	
Q3688-06	M-32I	Water	SVOCMS Group1	SFAM_SVOC	11/19/25	11/21/25	11/25/25	11/19/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/21/25	12/02/25	
Q3688-09	M-31I	Water	SVOCMS Group1	SFAM_SVOC	11/20/25	11/21/25	11/25/25	11/20/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/21/25	12/02/25	
Q3688-10	M-32S	Water	SVOCMS Group1	SFAM_SVOC	11/20/25	11/21/25	11/25/25	11/20/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/21/25	12/02/25	
Q3688-11	RBGW-20251120	Water	SVOCMS Group1	SFAM_SVOC	11/20/25	11/21/25	11/25/25	11/20/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/21/25	12/02/25	
Q3688-12	M-30S	Water	SVOCMS Group1	SFAM_SVOC	11/20/25	11/24/25	11/26/25	11/20/25

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			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/02/25	
Q3688-13	M-30I	Water			11/20/25		11/20/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/02/25	
Q3688-15	FDGW-20251120	Water			11/20/25		11/20/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/02/25	
Q3688-16	WS-14	Water			11/21/25		11/21/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/02/25	
Q3688-17	M-29	Water			11/21/25		11/21/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/02/25	
Q3688-18	RBGW-20251121	Water			11/21/25		11/21/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/05/25	
Q3688-19	M-28I	Water			11/21/25		11/21/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/05/25	
Q3688-20	WS-1	Water			11/21/25		11/21/25
			SVOCMS Group1	SFAM_SVOC	11/24/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/24/25	12/05/25	
Q3688-22	RBGW-20251124	Water			11/24/25		11/24/25
			SVOCMS Group1	SFAM_SVOC	11/25/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M	11/25/25	12/05/25	

LAB CHRONICLE

Q3688-23	M-28S	Water			11/24/25			11/24/25
			SVOCMS Group1	SFAM_SVOC		11/25/25	11/26/25	
			SVOC-SIMGroup1	SFAM_SVOASI M		11/25/25	12/05/25	
Q3688-23DL	M-28SDL	Water			11/24/25			11/24/25
			SVOC-SIMGroup1	SFAM_SVOASI M		11/25/25	12/05/25	

Hit Summary Sheet SW-846

SDG No.: Q3688

Client: WSP USA Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	RBGW-20251119						
Q3688-04	RBGW-20251119	WATER 1,4-Dioxane	0.040	J	0.03	0.210	ug/L
		Total Svoc :			0.04		
		Total Concentration:			0.04		
Client ID :	RBGW-20251120						
Q3688-11	RBGW-20251120	WATER 1,4-Dioxane	0.050	J	0.033	0.20	ug/L
		Total Svoc :			0.05		
		Total Concentration:			0.05		
Client ID :	RBGW-20251121						
Q3688-18	RBGW-20251121	WATER 1,4-Dioxane	0.050	J	0.033	0.20	ug/L
		Total Svoc :			0.05		
		Total Concentration:			0.05		
Client ID :	M-28I						
Q3688-19	M-28I	WATER 1,4-Dioxane	0.040	J	0.03	0.20	ug/L
		Total Svoc :			0.04		
		Total Concentration:			0.04		
Client ID :	WS-1						
Q3688-20	WS-1	WATER 1,4-Dioxane	0.050	J	0.03	0.20	ug/L
		Total Svoc :			0.05		
		Total Concentration:			0.05		
Client ID :	RBGW-20251124						
Q3688-22	RBGW-20251124	WATER 1,4-Dioxane	0.040	J	0.03	0.20	ug/L
		Total Svoc :			0.04		
		Total Concentration:			0.04		
Client ID :	M-28S						
Q3688-23	M-28S	WATER 1,4-Dioxane	19.000	E	0.03	0.210	ug/L
		Total Svoc :			19.00		
		Total Concentration:			19.00		
Client ID :	M-28SDL						
Q3688-23DL	M-28SDL	WATER 1,4-Dioxane	21.000	D	0.34	2.1	ug/L
		Total Svoc :			21.00		
		Total Concentration:			21.00		



SAMPLE DATA

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-31S

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-01
Lab File ID : BN038253.D
Date Received : 11/19/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

RBGW-20251119

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 970 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-04
Lab File ID : BN038256.D
Date Received : 11/19/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.040	J

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-32I

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids : _____
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : _____ ID : _____ (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : _____ (µL)
Heated Purge : (Y/N) _____
Purge Volume : _____ (mL)
Cleanup Types : _____
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : _____ SDG No.: Q3688
Level : _____
Lab Sample ID : Q3688-06
Lab File ID : BN038257.D
Date Received : 11/19/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 11 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-31I

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 990 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-09
Lab File ID : BN038258.D
Date Received : 11/20/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

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ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-32S

Lab Name : Alliance Technical Group, LLC

Lab Code: ACE Case No.: Sharkey Land

Analytical Method : SVOA SIM

Matrix : Water

Sample wt/vol : 1000 (g/mL) mL

% Solids : _____

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

GC Column : _____ ID : _____ (mm)

Extract Concentrated : (Y/N) N

Soil Aliquot (VOA) : _____ (µL)

Heated Purge : (Y/N) _____

Purge Volume : _____ (mL)

Cleanup Types : _____

Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011

MA No. : _____ SDG No.: Q3688

Level : _____

Lab Sample ID : Q3688-10

Lab File ID : BN038259.D

Date Received : 11/20/2025

Date Extracted : 11/21/2025

Date Analyzed : 12/02/2025

Extract Volume : 1000 (µL)

Extraction Type : CONH

Injection Volume : 1.0 (µL)

pH : 6 Dilution Factor : 1.0

Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

RBGW-20251120

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-11
Lab File ID : BN038260.D
Date Received : 11/20/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.050	J

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-30S

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-12
Lab File ID : BN038261.D
Date Received : 11/20/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-30I

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 990 (g/mL) mL
% Solids : _____
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : _____ ID : _____ (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : _____ (µL)
Heated Purge : (Y/N) _____
Purge Volume : _____ (mL)
Cleanup Types : _____
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : _____ SDG No.: Q3688
Level : _____
Lab Sample ID : Q3688-13
Lab File ID : BN038262.D
Date Received : 11/20/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

FDGW-20251120

Lab Name : Alliance Technical Group, LLC

Lab Code: ACE Case No.: Sharkey Land

Analytical Method : SVOA SIM

Matrix : Water

Sample wt/vol : 980 (g/mL) mL

% Solids :

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

GC Column : ID : (mm)

Extract Concentrated : (Y/N) N

Soil Aliquot (VOA) : (µL)

Heated Purge : (Y/N)

Purge Volume : (mL)

Cleanup Types :

Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011

MA No. : SDG No.: Q3688

Level :

Lab Sample ID : Q3688-15

Lab File ID : BN038263.D

Date Received : 11/20/2025

Date Extracted : 11/24/2025

Date Analyzed : 12/02/2025

Extract Volume : 1000 (µL)

Extraction Type : CONH

Injection Volume : 1.0 (µL)

pH : 6 Dilution Factor : 1.0

Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

WS-14

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids : _____
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : _____ ID : _____ (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : _____ (µL)
Heated Purge : (Y/N) _____
Purge Volume : _____ (mL)
Cleanup Types : _____
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : _____ SDG No.: Q3688
Level : _____
Lab Sample ID : Q3688-16
Lab File ID : BN038264.D
Date Received : 11/21/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-29

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-17
Lab File ID : BN038265.D
Date Received : 11/21/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

RBGW-20251121

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-18
Lab File ID : BN038275.D
Date Received : 11/21/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.050	J

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-28I

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 990 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-19
Lab File ID : BN038276.D
Date Received : 11/21/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.040	J

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

WS-1

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 980 (g/mL) mL
% Solids : _____
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : _____ ID : _____ (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : _____ (µL)
Heated Purge : (Y/N) _____
Purge Volume : _____ (mL)
Cleanup Types : _____
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : _____ SDG No.: Q3688
Level : _____
Lab Sample ID : Q3688-20
Lab File ID : BN038277.D
Date Received : 11/21/2025
Date Extracted : 11/24/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.050	J

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

RBGW-20251124

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 990 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-22
Lab File ID : BN038278.D
Date Received : 11/24/2025
Date Extracted : 11/25/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.040	J

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-28S

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 960 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-23
Lab File ID : BN038279.D
Date Received : 11/24/2025
Date Extracted : 11/25/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	19	E

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-28SDL

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 960 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-23DL
Lab File ID : BN038280.D
Date Received : 11/24/2025
Date Extracted : 11/25/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 10.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	21	D



QC SUMMARY

FORM 2A-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code : ACE Case No.: Sharkey L MA No.: _____ SDG No.: Q3688
 Analytical Method : SVOA SIM Level : _____
 Matrix : Water

EPA Sample No .	DMC1 (FLN)	DMC2 (2MN)	DMC3 (DXE)	DMC4	DMC5	DMC6	DMC7	DMC8	DMC9
FDGW-20251120	90	67	56						
M-28I	97	88	82						
M-28S	87	85	66						
M-28SDL	83	88	32						
M-29	101	93	77						
M-30I	93	65	68						
M-30S	80	55	62						
M-31I	110	66	66						
M-31S	94	54	54						
M-31SMS	90	49	47						
M-31SMSD	84	49	50						
M-32I	117	65	63						
M-32S	102	71	66						
RBGW-20251119	87	58	63						
RBGW-20251120	95	70	64						
RBGW-20251121	97	85	68						
RBGW-20251124	100	93	60						
SBLK718	72	79	79						
SBLK720	95	89	81						
SBLK722	100	94	85						
SBLK724	80	86	91						
SBLK742	77	84	84						
SLCS718	81	88	97						
SLCS720	68	81	96						
SLCS722	72	86	104						
SLCS724	59	69	78						
SLCS742	76	95	104						
WS-1	87	80	63						
WS-14	106	95	70						

QC LIMITS

DMC1 (FLN) = Fluoranthene-d10 (SIM) (30-130)
 DMC2 (2MN) = 2-Methylnapthalene-d10 (SIM) (30-130)
 DMC3 (DXE) = 1,4-Dioxane-d8 (SIM) (40-110)

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code : ACE Case No.: Sharkey La MA No.: _____ SDG No.: Q3688
 Analytical Method : SVOA SIM Level : _____
 Matrix : Water

EPA Sample No .	DMC10	DMC11	DMC12	DMC13	DMC14	DMC15	DMC16	DMC17	Tot Out
FDGW-20251120									0
M-28I									0
M-28S									0
M-28SDL									0
M-29									0
M-30I									0
M-30S									0
M-31I									0
M-31S									0
M-31SMS									0
M-31SMSD									0
M-32I									0
M-32S									0
RBGW-20251119									0
RBGW-20251120									0
RBGW-20251121									0
RBGW-20251124									0
SBLK718									0
SBLK720									0
SBLK722									0
SBLK724									0
SBLK742									0
SLCS718									0
SLCS720									0
SLCS722									0
SLCS724									0
SLCS742									0
WS-1									0

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No.: Sharkey La MA No.: SDG No.: Q3688
Analytical Method : SVOA SIM Level :
Matrix : Water

EPA Sample No .	DMC10	DMC11	DMC12	DMC13	DMC14	DMC15	DMC16	DMC17	Tot Out
WS-14									0

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code : ACE Case No. : Sharkey Lab MA No. : _____ SDG No. : Q3688
 Analytical Method : SVOA SIM Level : LOW
 Matrix Water
 EPA Sample No. (Matrix Spike/Matrix Spike Duplicate): M-31S
 Instrument ID : BNA_N GC Column ZB-GR ID : 0.25 (mm)
 Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R
1,4-Dioxane	2	0	0.96	48	15 - 120

ANALYTE	SPIKE ADDED	MSD CONCENTRATION	MSD %R #	RPD	QC Limits	
					RPD	%R
1,4-Dioxane	2	0.97	49	2	50	15 - 120

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS718

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM
Matrix : Water Lab Sample ID : PB170718BS
LCS Lot No. : Date Extracted :
Concentration Units (ug/L, ug/kg) : ug/L
Instrument ID () : BNA_N GC Column () : 0.25 ID : ZB-GR (mm)
Date Analyzed () : 12/02/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.8	90	0-0

EPA SAMPLE NO.

SLCS720

A
B
C
D
E
F
G

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.8	90	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS722

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM
Matrix : Water Lab Sample ID : PB170722BS
LCS Lot No. : Date Extracted :
Concentration Units (ug/L, ug/kg) : ug/L
Instrument ID () : BNA_N GC Column () : 0.25 ID : ZB-GR (mm)
Date Analyzed () : 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.9	95	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS742

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM
Matrix : Water Lab Sample ID : PB170742BS
LCS Lot No. : Date Extracted :
Concentration Units (ug/L, ug/kg) : ug/L
Instrument ID () : BNA_N GC Column () : 0.25 ID : ZB-GR (mm)
Date Analyzed () : 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	2.1	105	0-0

FORM 3B-OR
LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS724

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
Lab Code : ACE Case No. : Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM
Matrix : Water Lab Sample ID : PB170724BS
LCS Lot No. : Date Extracted :
Concentration Units (ug/L, ug/kg) : ug/L
Instrument ID () : BNA_N GC Column () : 0.25 ID : ZB-GR (mm)
Date Analyzed () : 12/05/2025

ANALYTE	AMOUNT ADDED	AMOUNT RECOVERED	% R	QC LIMITS
1,4-Dioxane	2	1.5	75	0-0

A
B
C
D
E
F
G

SFAM01.1 (11/2020)

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK720

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey Land MA No. : sdg no.: Q3688
 Analytical Method: SVOA SIM Level :
 Matrix : Water Lab Sample ID: PB170720BL
 Instrument ID: BNA N Lab File ID : BN038271.D
 Extraction Type : CONH Date Extracted : 11/21/2025
 GC Column () : ZB-GR ID : 0.25 (mm) Date Analyzed : 12/05/2025
 GC Column () : ID : (mm) Time Analyzed : 12:42
 Heated Purge: (Y/N) Cleanup(Y/N): N Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
RBGW-20251119	Q3688-04	BN038256.D	12/02/2025 15:49
M-32I	Q3688-06	BN038257.D	12/02/2025 16:26
M-31I	Q3688-09	BN038258.D	12/02/2025 17:02
M-32S	Q3688-10	BN038259.D	12/02/2025 17:38
RBGW-20251120	Q3688-11	BN038260.D	12/02/2025 18:15
SLCS720	PB170720BS	BN038273.D	12/05/2025 13:54

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK722

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey Land MA No. : sdg no.: Q3688
 Analytical Method: SVOA SIM Level :
 Matrix : Water Lab Sample ID: PB170722BL
 Instrument ID: BNA N Lab File ID : BN038272.D
 Extraction Type : CONH Date Extracted : 11/24/2025
 GC Column () : ZB-GR ID : 0.25 (mm) Date Analyzed : 12/05/2025
 GC Column () : ID : (mm) Time Analyzed : 13:18
 Heated Purge: (Y/N) Cleanup(Y/N): N Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
M-30S	Q3688-12	BN038261.D	12/02/2025 18:51
M-30I	Q3688-13	BN038262.D	12/02/2025 19:28
FDGW-20251120	Q3688-15	BN038263.D	12/02/2025 20:04
WS-14	Q3688-16	BN038264.D	12/02/2025 20:40
SLCS722	PB170722BS	BN038274.D	12/05/2025 14:31

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK724

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey Land MA No. : sdg no.: Q3688
 Analytical Method: SVOA SIM Level :
 Matrix : Water Lab Sample ID: PB170724BL
 Instrument ID: BNA N Lab File ID : BN038284.D
 Extraction Type : CONH Date Extracted : 11/24/2025
 GC Column () : ZB-GR ID : 0.25 (mm) Date Analyzed : 12/05/2025
 GC Column () : ID : (mm) Time Analyzed : 20:34
 Heated Purge: (Y/N) Cleanup(Y/N): N Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
M-29	Q3688-17	BN038265.D	12/02/2025 21:17
RBGW-20251121	Q3688-18	BN038275.D	12/05/2025 15:07
M-28I	Q3688-19	BN038276.D	12/05/2025 15:43
WS-1	Q3688-20	BN038277.D	12/05/2025 16:20
SLCS724	PB170724BS	BN038283.D	12/05/2025 19:57

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK742

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey Land MA No. : sdg no.: Q3688
 Analytical Method: SVOA SIM Level :
 Matrix : Water Lab Sample ID: PB170742BL
 Instrument ID: BNA N Lab File ID : BN038282.D
 Extraction Type : CONH Date Extracted : 11/25/2025
 GC Column () : ZB-GR ID : 0.25 (mm) Date Analyzed : 12/05/2025
 GC Column () : ID : (mm) Time Analyzed : 19:21
 Heated Purge: (Y/N) Cleanup (Y/N): N Cleanup Types :

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
RBGW-20251124	Q3688-22	BN038278.D	12/05/2025 16:55
M-28S	Q3688-23	BN038279.D	12/05/2025 17:32
M-28SDL	Q3688-23DL	BN038280.D	12/05/2025 18:08
SLCS742	PB170742BS	BN038281.D	12/05/2025 18:44

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.

DFTPP277

Lab Name : Alliance Technical Group, LLC

Contract : 68HERH20D0011

Lab Code: ACE Case No.: Sharkey Lai

MA No. : SDG No.: Q3688

Analytical Method : SVOA SIM

Lab File ID : BN038203.D

Instrument ID: BNA_N

BFB / DFTPP : DFTPP

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

Injection Date : 11/26/2025

Injection Time : 14:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.2
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Present	37.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15
442	Greater than 50.0% of mass 198	89.6
443	15.0 - 24.0% of mass 442	16.8 (18.7) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.1225	SSTD0.191	BN038204.D	11/26/2025	15:05
SSTD0.2226	SSTD0.292	BN038205.D	11/26/2025	15:42
SSTD0.4227	SSTD0.493	BN038206.D	11/26/2025	16:18
SSTD0.8228	SSTD0.894	BN038207.D	11/26/2025	16:54
SSTD1.6229	SSTD1.695	BN038208.D	11/26/2025	17:31
SSTD3.2230	SSTD3.296	BN038209.D	11/26/2025	18:07
SICV231	SSTDICV0.4	BN038210.D	11/26/2025	18:43

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.

DFTPP278

Lab Name : Alliance Technical Group, LLC
 Lab Code: ACE Case No.: Sharkey Lai
 Analytical Method : SVOA SIM
 Instrument ID: BNA_N
 GC Column : ZB-GR ID : 0.25 (mm)
 Injection Date : 12/02/2025

Contract : 68HERH20D0011
 MA No. : SDG No.: Q3688
 Lab File ID : BN038249.D
 BFB / DFTPP : DFTPP
 Injection Time : 11:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.7 (1.8)
69	Present	38
70	Less than 2.0% of mass 69	0.2 (0.6)
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.5
442	Greater than 50.0% of mass 198	78
443	15.0 - 24.0% of mass 442	16.1 (20.6)

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4275	SSTDCCC0.4	BN038250.D	12/02/2025	12:11
SBLK718	PB170718BL	BN038251.D	12/02/2025	12:48
SLCS718	PB170718BS	BN038252.D	12/02/2025	13:24
M-31S	Q3688-01	BN038253.D	12/02/2025	14:00
M-31SMS	Q3688-02MS	BN038254.D	12/02/2025	14:36
M-31SMSD	Q3688-03MSD	BN038255.D	12/02/2025	15:13
RBGW-20251119	Q3688-04	BN038256.D	12/02/2025	15:49
M-32I	Q3688-06	BN038257.D	12/02/2025	16:26
M-31I	Q3688-09	BN038258.D	12/02/2025	17:02
M-32S	Q3688-10	BN038259.D	12/02/2025	17:38
RBGW-20251120	Q3688-11	BN038260.D	12/02/2025	18:15
M-30S	Q3688-12	BN038261.D	12/02/2025	18:51
M-30I	Q3688-13	BN038262.D	12/02/2025	19:28
FDGW-20251120	Q3688-15	BN038263.D	12/02/2025	20:04
WS-14	Q3688-16	BN038264.D	12/02/2025	20:40
M-29	Q3688-17	BN038265.D	12/02/2025	21:17
SSTD0.4276	SSTDCCC0.4EC	BN038266.D	12/02/2025	22:29

FORM 5-OR
GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.

DFTPP279

Lab Name : Alliance Technical Group, LLC

Contract : 68HERH20D0011

Lab Code: ACE Case No.: Sharkey Lai

MA No. : SDG No.: Q3688

Analytical Method : SVOA SIM

Lab File ID : BN038269.D

Instrument ID: BNA_N

BFB / DFTPP : DFTPP

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

Injection Date : 12/05/2025

Injection Time : 11:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.6(1.6) 1
69	Present	37.3
70	Less than 2.0% of mass 69	0.2(0.6) 1
127	10.0 - 80.0% of mass 198	47.5
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	27.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.2
442	Greater than 50.0% of mass 198	95.7
443	15.0 - 24.0% of mass 442	17.1(17.9) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4277	SSTDCCC0.4	BN038270.D	12/05/2025	12:05
SBLK720	PB170720BL	BN038271.D	12/05/2025	12:42
SBLK722	PB170722BL	BN038272.D	12/05/2025	13:18
SLCS720	PB170720BS	BN038273.D	12/05/2025	13:54
SLCS722	PB170722BS	BN038274.D	12/05/2025	14:31
RBGW-20251121	Q3688-18	BN038275.D	12/05/2025	15:07
M-28I	Q3688-19	BN038276.D	12/05/2025	15:43
WS-1	Q3688-20	BN038277.D	12/05/2025	16:20
RBGW-20251124	Q3688-22	BN038278.D	12/05/2025	16:55
M-28S	Q3688-23	BN038279.D	12/05/2025	17:32
M-28SDL	Q3688-23DL	BN038280.D	12/05/2025	18:08
SLCS742	PB170742BS	BN038281.D	12/05/2025	18:44
SBLK742	PB170742BL	BN038282.D	12/05/2025	19:21
SLCS724	PB170724BS	BN038283.D	12/05/2025	19:57
SBLK724	PB170724BL	BN038284.D	12/05/2025	20:34
SSTD0.4278	SSTDCCC0.4EC	BN038285.D	12/05/2025	21:47

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level: LOW
 EPA Sample No. : SSTD0.4275 Lab File ID (Standard) : BN038250.D
 Instrument ID : BNA N Init.Calib.Date(s): 11/26/2025
 GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/02/2025
 Heated Purge: Time Analyzed : 12:11

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	9123	7.762	28276	10.57	13975	14.43
UPPER LIMIT	18246	8.26	56552	11.06	27950	14.93
LOWER LIMIT	4561.5	7.26	14138	10.06	6987.5	13.93
EPA SAMPLE NO.						
SBLK718	8277	7.76	25091	10.56	12425	14.43
SLCS718	6852	7.77	19542	10.57	9302	14.43
M-31S	10366	7.76	29497	10.56	16581	14.43
M-31SMS	7612	7.76	24125	10.56	12757	14.43
M-31SMSD	7837	7.76	23944	10.57	11905	14.43
RBGW-20251119	8560	7.76	26868	10.57	14263	14.43
M-32I	8089	7.76	24913	10.57	14131	14.43
M-31I	7837	7.76	25843	10.57	14782	14.43
M-32S	8179	7.76	26708	10.56	15008	14.43
RBGW-20251120	8734	7.76	28184	10.57	15261	14.43
M-30S	9557	7.76	30639	10.56	15903	14.43
M-30I	7205	7.76	21641	10.56	10686	14.43
FDGW-20251120	8265	7.76	26145	10.56	13579	14.43
WS-14	7811	7.76	25704	10.56	14283	14.43
M-29	7498	7.76	24549	10.56	12936	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% 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

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level: LOW
 EPA Sample No. : SSTD0.4275 Lab File ID (Standard) : BN038250.D
 Instrument ID : BNA N Init.Calib.Date(s): 11/26/2025
 GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/02/2025
 Heated Purge: Time Analyzed : 12:11

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	20215	17.18	12243	21.37	12704	23.683
UPPER LIMIT	40430	17.68	24486	21.87	25408	24.183
LOWER LIMIT	10107.5	16.68	6121.5	20.87	6352	23.183
EPA SAMPLE NO.						
SBLK718	18893	17.18	12697	21.38	18424	23.68
SLCS718	14225	17.18	9367	21.37	9919	23.68
M-31S	27429	17.18	13931	21.37	11873	23.68
M-31SMS	18778	17.18	11093	21.37	11208	23.68
M-31SMSD	17150	17.18	11866	21.37	12141	23.68
RBGW-20251119	20251	17.18	13047	21.37	11964	23.68
M-32I	23380	17.18	11606	21.37	9964	23.67
M-31I	23275	17.18	11802	21.37	9757	23.67
M-32S	24271	17.18	12403	21.37	10359	23.68
RBGW-20251120	22280	17.18	12995	21.37	11448	23.67
M-30S	23307	17.18	14691	21.37	13252	23.67
M-30I	17105	17.18	12386	21.37	10853	23.67
FDGW-20251120	19738	17.18	12815	21.37	11343	23.67
WS-14	21386	17.18	11942	21.37	10706	23.67
M-29	18613	17.18	11286	21.37	10119	23.67

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% 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

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level: LOW
 EPA Sample No. : SSTD0.4277 Lab File ID (Standard) : BN038270.D
 Instrument ID : BNA N Init.Calib.Date(s): 11/26/2025
 GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/05/2025
 Heated Purge: Time Analyzed : 12:05

	IS1 (DCB) AREA	RT	IS2 (NPT) AREA	RT	IS3 (ANT) AREA	RT
12 HOUR STD	8084	7.762	25043	10.56	13865	14.42
UPPER LIMIT	16168	8.26	50086	11.06	27730	14.92
LOWER LIMIT	4042	7.26	12521.5	10.06	6932.5	13.92
EPA SAMPLE NO.						
M-28S	7552	7.76	23818	10.56	12453	14.42
M-28SDL	7234	7.76	21968	10.56	10876	14.43
SBLK720	8704	7.76	28180	10.56	16454	14.43
SBLK722	10357	7.76	33216	10.56	19565	14.43
SLCS720	6339	7.77	17529	10.57	8089	14.43
SLCS722	5720	7.77	15969	10.57	7291	14.43
RBGW-20251121	7421	7.76	23523	10.56	12712	14.43
M-28I	6347	7.76	18463	10.56	9152	14.43
WS-1	6582	7.76	18378	10.56	9278	14.43
RBGW-20251124	7733	7.76	24457	10.56	12576	14.42
SBLK724	6875	7.76	19971	10.56	10197	14.42
SLCS724	7672	7.77	21841	10.56	10280	14.43
SBLK742	8125	7.76	24500	10.56	12182	14.43
SLCS742	4904	7.77	13626	10.56	6701 *	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% 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

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level: LOW
 EPA Sample No. : SSTD0.4277 Lab File ID (Standard) : BN038270.D
 Instrument ID : BNA N Init.Calib.Date(s): 11/26/2025
 GC Column : ZB-GR ID: 0.25 (mm) Date Analyzed : 12/05/2025
 Heated Purge: Time Analyzed : 12:05

	IS4 (PHN) AREA	RT	IS5 (CRY) AREA	RT	IS6 (PRY) AREA	RT
12 HOUR STD	22534	17.18	12432	21.37	12699	23.675
UPPER LIMIT	45068	17.68	24864	21.87	25398	24.175
LOWER LIMIT	11267	16.68	6216	20.87	6349.5	23.175
EPA SAMPLE NO.						
M-28S	17717	17.18	10969	21.37	9522	23.67
M-28SDL	15599	17.18	10726	21.37	12870	23.67
SBLK720	28511	17.18	15359	21.37	12468	23.67
SBLK722	33605	17.18	17429	21.37	15019	23.67
SLCS720	12427	17.18	9212	21.37	9668	23.68
SLCS722	11408	17.18	8537	21.37	9103	23.68
RBGW-20251121	18378	17.18	10427	21.37	8941	23.67
M-28I	14718	17.18	10478	21.37	9107	23.67
WS-1	16147	17.18	12413	21.37	11053	23.67
RBGW-20251124	18317	17.18	11615	21.37	10243	23.67
SBLK724	17407	17.18	12643	21.37	11341	23.67
SLCS724	15794	17.18	11370	21.37	12234	23.67
SBLK742	18265	17.17	12311	21.37	10917	23.67
SLCS742	11217 *	17.18	8913	21.37	9478	23.67

IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% 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



QC SAMPLE DATA

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SBLK718

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170718BL
Lab File ID : BN038251.D
Date Received :
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SBLK720

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids : _____
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : _____ ID : _____ (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : _____ (µL)
Heated Purge : (Y/N) _____
Purge Volume : _____ (mL)
Cleanup Types : _____
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : _____ SDG No.: Q3688
Level : _____
Lab Sample ID : PB170720BL
Lab File ID : BN038271.D
Date Received : _____
Date Extracted : 11/21/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : _____ Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SBLK722

Lab Name : Alliance Technical Group, LLC

Lab Code: ACE Case No.: Sharkey Land

Analytical Method : SVOA SIM

Matrix : Water

Sample wt/vol : 1000 (g/mL) mL

% Solids :

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

GC Column : ID : (mm)

Extract Concentrated : (Y/N) N

Soil Aliquot (VOA) : (µL)

Heated Purge : (Y/N)

Purge Volume : (mL)

Cleanup Types :

Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011

MA No. : SDG No.: Q3688

Level :

Lab Sample ID : PB170722BL

Lab File ID : BN038272.D

Date Received :

Date Extracted : 11/24/2025

Date Analyzed : 12/05/2025

Extract Volume : 1000 (µL)

Extraction Type : CONH

Injection Volume : 1.0 (µL)

pH : Dilution Factor : 1.0

Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SBLK724

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170724BL
Lab File ID : BN038284.D
Date Received :
Date Extracted : 11/24/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SBLK742

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170742BL
Lab File ID : BN038282.D
Date Received :
Date Extracted : 11/25/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.20	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SLCS718

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170718BS
Lab File ID : BN038252.D
Date Received :
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.8	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SLCS720

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170720BS
Lab File ID : BN038273.D
Date Received :
Date Extracted : 11/21/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.8	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SLCS722

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170722BS
Lab File ID : BN038274.D
Date Received :
Date Extracted : 11/24/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.9	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SLCS724

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170724BS
Lab File ID : BN038283.D
Date Received :
Date Extracted : 11/24/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	1.5	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

SLCS742

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 1000 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : PB170742BS
Lab File ID : BN038281.D
Date Received :
Date Extracted : 11/25/2025
Date Analyzed : 12/05/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	2.1	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-31SMS

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 990 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-02MS
Lab File ID : BN038254.D
Date Received : 11/19/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.96	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.

M-31SMSD

Lab Name : Alliance Technical Group, LLC
Lab Code: ACE Case No.: Sharkey Land
Analytical Method : SVOA SIM
Matrix : Water
Sample wt/vol : 990 (g/mL) mL
% Solids :
GC Column : ZB-GR ID : 0.25 (mm)
GC Column : ID : (mm)
Extract Concentrated : (Y/N) N
Soil Aliquot (VOA) : (µL)
Heated Purge : (Y/N)
Purge Volume : (mL)
Cleanup Types :
Concentration Units (µg/L, µg/kg, µg, or µg/cm²): µg/L

Contract : 68HERH20D0011
MA No. : SDG No.: Q3688
Level :
Lab Sample ID : Q3688-03MSD
Lab File ID : BN038255.D
Date Received : 11/19/2025
Date Extracted : 11/21/2025
Date Analyzed : 12/02/2025
Extract Volume : 1000 (µL)
Extraction Type : CONH
Injection Volume : 1.0 (µL)
pH : 6 Dilution Factor : 1.0
Cleanup Factor : 1.0

CAS NO.	ANALYTE	CONCENTRATION	Q
123-91-1	1,4-Dioxane	0.97	



CALIBRATION SUMMARY

FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC
 Lab Code: ACE Case No.: Sharkey Lar
 Analytical Method : SVOA SIM
 Instrument ID: BNA_N
 GC Column: ZB-GR ID: 0.25 (mm)
 Length : 30 (m)
 Heated Purge: (Y/N)

Contract: 68HERH20D0011
 MA No.: SDG No.: Q3688
 Level : LOW
 Calibration Date(s): 11/26/2025 11/26/2025
 Calibration Time(s): 15:05 18:07
 Purge Volume : (mL)

LAB FILE ID:		RRF0.1 =BN038204.D		RRF0.2= BN038205.D		RRF0.4 =BN038206.D		
		RRF0.8 =BN038207.D		RRF1.6= BN038208.D		RRF3.2 =BN038209.D		
ANALYTE	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	<u>RRF</u>	% RSD
1,4-Dioxane		0.468	0.460	0.449	0.430	0.453	0.452	3.1
1,4-Dioxane-d8		0.430	0.441	0.428	0.402	0.398	0.420	4.4
Fluoranthene-d10	1.572	1.544	1.619	1.539	1.500		1.555	2.8
2-Methylnaphthalene-d10	0.578	0.574	0.580	0.570	0.551		0.570	2.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level:
 Instrument ID: BNA_N Date Analyzed: 11/26/2025 Time: 18:43
 Lab File ID: BN038210.D Init. Calib Date(s): 11/26/2025 11/26/2025
 EPA Sample No.: SICV231 Init. Calib Time(s): 15:05 18:07
 GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)
 Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{\text{RRF}}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.473	0.01	4.5	± 40.0
1,4-Dioxane-d8	0.420	0.432	0.01	3.0	± 40.0
Fluoranthene-d10	1.555	1.608	0.40	3.4	± 30.0
2-Methylnaphthalene-d10	0.570	0.624	0.30	9.4	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level:
 Instrument ID: BNA_N Date Analyzed: 12/02/2025 Time: 12:11
 Lab File ID: BN038250.D Init. Calib Date(s): 11/26/2025 11/26/2025
 EPA Sample No.: SSTD0.4275 Init. Calib Time(s): 15:05 18:07
 GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)
 Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{\text{RRF}}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.422	0.01	-6.7	± 40.0
1,4-Dioxane-d8	0.420	0.402	0.01	-4.1	± 40.0
Fluoranthene-d10	1.555	1.385	0.40	-10.9	± 30.0
2-Methylnaphthalene-d10	0.570	0.566	0.30	-0.9	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level:
 Instrument ID: BNA_N Date Analyzed: 12/02/2025 Time: 22:29
 Lab File ID: BN038266.D Init. Calib Date(s): 11/26/2025 11/26/2025
 EPA Sample No.: SSTD0.4276 Init. Calib Time(s): 15:05 18:07
 GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)
 Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{\text{RRF}}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.447	0.01	-1.1	± 50.0
1,4-Dioxane-d8	0.420	0.415	0.01	-1.1	± 50.0
Fluoranthene-d10	1.555	1.439	0.40	-7.4	± 50.0
2-Methylnaphthalene-d10	0.570	0.584	0.30	2.5	± 50.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688
 Analytical Method: SVOA SIM Level:
 Instrument ID: BNA_N Date Analyzed: 12/05/2025 Time: 12:05
 Lab File ID: BN038270.D Init. Calib Date(s): 11/26/2025 11/26/2025
 EPA Sample No.: SSTD0.4277 Init. Calib Time(s): 15:05 18:07
 GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)
 Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{\text{RRF}}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.436	0.01	-3.5	± 40.0
1,4-Dioxane-d8	0.420	0.418	0.01	-0.3	± 40.0
Fluoranthene-d10	1.555	1.546	0.40	-0.6	± 30.0
2-Methylnaphthalene-d10	0.570	0.583	0.30	2.2	± 30.0

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688
Analytical Method: SVOA SIM Level:
Instrument ID: BNA_N Date Analyzed: 12/05/2025 Time: 21:47
Lab File ID: BN038285.D Init. Calib Date(s): 11/26/2025 11/26/2025
EPA Sample No.: SSTD0.4278 Init. Calib Time(s): 15:05 18:07
GC Column: ZB-GR ID: 0.25 (mm) Length: 30 (m)
Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{\text{RRF}}$	RRF0.4	MIN RRF	%D	MAX %D
1,4-Dioxane	0.452	0.445	0.01	-1.5	± 50.0
1,4-Dioxane-d8	0.420	0.419	0.01	-0.1	± 50.0
Fluoranthene-d10	1.555	1.272	0.40	-18.2	± 50.0
2-Methylnaphthalene-d10	0.570	0.562	0.30	-1.6	± 50.0