

DATA PACKAGE METALS

PROJECT NAME : SHARKEY LANDFILL SITE FYR REUSE MORRIS COUNTY NJ

WSP USA INC.

401 Route 73 North Suite 205

Marlton, NJ - 08053

Phone No: 856-793-2005

ORDER ID : Q3688

ATTENTION : Tricia Landes



Laboratory Certification ID # 20012



Cover Page

Order ID : Q3688

Project ID : Sharkey Landfill Site FYR Reuse Morris County NJ

Client : WSP USA Inc.

Lab Sample Number

Q3688-01
Q3688-02
Q3688-03
Q3688-04
Q3688-05
Q3688-06
Q3688-07
Q3688-09
Q3688-10
Q3688-11
Q3688-12
Q3688-13
Q3688-14
Q3688-15
Q3688-16
Q3688-17
Q3688-18
Q3688-19
Q3688-20
Q3688-21
Q3688-22
Q3688-23
Q3688-24

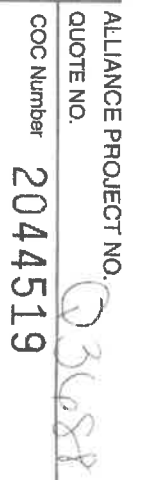
Client Sample Number

M-31S
Q3688-01MS
Q3688-01MSD
RBGW-20251119
TBGW-20251119
M-32I
VHBLK001
M-31I
M-32S
RBGW-20251120
M-30S
M-30I
TBGW-20251120
FDGW-20251120
WS-14
M-29
RBGW-20251121
M-28I
WS-1
TBGW-20251121
RBGW-20251124
M-28S
TBGW-20251124

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/9/2025



ALLIANCE PROJECT NO. 03088
QUOTE NO. _____
COC Number 2044519

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT
YELLOW - ALLIANCE COPY
PINK - SAMPLER COPY



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www.chemtech.net

ALLIANCE PROJECT NO. 2044520
QUOTE NO. 3688
COC Number

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: WSP USA Inc

ADDRESS: 350 MT KEMBLE AVE

CITY MORRISTOWN STATE: NJ ZIP: 07960

ATTENTION: TRICIA LANDES

PHONE: 8562468331 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SHARKEY LF

PROJECT NO.: LOCATION: PARKWAY, NJ

PROJECT MANAGER: TRICIA LANDES

e-mail: Patricia.Landes@wsp.com

PHONE: 8562468331 FAX:

CLIENT BILLING INFORMATION

BILL TO: WSP USA Inc PO#:

ADDRESS: 350 MT KEMBLE AVE

CITY MORRISTOWN STATE: NJ ZIP: 07960

ATTENTION: TRICIA LANDES PHONE: 8562468331

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARD COPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARD COPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT _____

VOC'S
SVOC'S
1,4-DIOXANE
METALS
PRESERVATIVES
1 2 3 4 5 6 7 8 9

ALLIANCE SAMPLE ID PROJECT SAMPLE IDENTIFICATION

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A	E	E	B						
1.	M-31I	GW		G	11/20/25	1210	5	X	X	X	X						PH 1.3 # 80A041
2.	M-32S					1235	5	X	X	X	X						
3.	RBGW-20251120					1340	5	X	X	X	X						
4.	M-30S					1515	5	X	X	X	X						
5.	M-30I					1545	5	X	X	X	X						
6.	TBGM-20251120					—	2	X									
7.	FDGW-20251120					0900	5	X	X	X	X						FIELD DUP PH 1.3
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: DATE/TIME: 11/20/25 1618

RELINQUISHED BY SAMPLER: DATE/TIME: RECEIVED BY: 1.

RELINQUISHED BY SAMPLER: DATE/TIME: RECEIVED BY: 2.

RELINQUISHED BY SAMPLER: DATE/TIME: RECEIVED BY: 3.

Comments: Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.1°C 2.1 + 0 = 2.1

Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO



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www.chemtech.net

ALLIANCE PROJECT NO. Q 3688
QUOTE NO.
COC Number 2044521

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: WSP USA INC.
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES
PHONE: 8562468331 FAX:

PROJECT NAME: SHARKEY LF
PROJECT NO.:
PROJECT MANAGER: TRICIA LANDES
e-mail: Patricia.Landes@wsp.com
PHONE: 8562468331 FAX:

BILL TO: WSP USA INC. PO#:
ADDRESS: 350 MT KEMBLE AVE
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: TRICIA LANDES PHONE: 8562468331
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARD COPY (DATA PACKAGE): _____ DAYS*
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STANDARD HARD COPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT _____

VOC'S
SVOC'S
1,4-DIOXANE
METALS

PRESERVATIVES
COMMENTS
Specify Preservatives
A-HCl
D-NaOH
B-HNO3
C-H2SO4
E-ICE
F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A	E	E	B						
1.	WS-14	GW			6/11/2025	10:25	5	X	X	X	X						PH 1.6 #804044
2.	M-29						5	X	X	X	X						
3.	RBGW-20251121						5	X	X	X	X						
4.	M-28I						5	X	X	X	X						
5.	WS-1						5	X	X	X	X						
6.	TBGW-20251121						2	X	X	X	X						
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 1/24/25 17:07	RECEIVED BY: 1. J. L. L.	Comments: Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input checked="" type="checkbox"/> COOLER TEMP 20.0 °C 20.0 + 0.2 °C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
RELINQUISHED BY SAMPLER:	DATE/TIME: 11/21/2025	RECEIVED BY: J. L. L.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: **WSP USA INC.**

PROJECT NAME: **SHARKEY LF**

BILL TO: **WSP USA INC.** PO#:

ADDRESS: **350 MT KEMBLE AVE**

PROJECT NO.: LOCATION: **PASSAIC, NJ**

ADDRESS: **350 MT KEMBLE AVE**

CITY: **MORRISTOWN** STATE: **NJ** ZIP: **07960**

PROJECT MANAGER: **TRICIA LANDES**

CITY: **MORRISTOWN** STATE: **NJ** ZIP: **07960**

ATTENTION: **TRICIA LANDES**

e-mail: **Patricia.Landes@wsp.com**

ATTENTION: **TRICIA LANDES** PHONE: **856 246 8331**

PHONE: **856 246 8331** FAX:

PHONE: **856 246 8331** FAX:

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☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data) ☐ Other _____

☐ EDD FORMAT _____

PRESERVATIVES

COMMENTS

Specify Preservatives

A-HCl D-NaOH

B-HNO3 E-ICE

C-H2SO4 F-OTHER

OF BOTTLES

A	E	E	B						
1	2	3	4	5	6	7	8	9	

SAMPLE MATRIX

SAMPLE TYPE	DATE	TIME
COMP	GRAB	

OF BOTTLES

A	E	E	B						
1	2	3	4	5	6	7	8	9	

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SAMPLE TYPE	DATE	TIME
COMP	GRAB	

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A	E	E	B						
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B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE MATRIX

SAMPLE TYPE	DATE	TIME
COMP	GRAB	

OF BOTTLES

A	E	E	B						
1	2	3	4	5					

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>4</u>
Received By (Print Name) <u>Jassanova Ronic</u>		Log-in Date 11/19/2025
Received By (Signature) <u>[Signature]</u>		
Case Number	Sharkey Landfill Site	SDG No. <u>Q3688</u> MA No. <u>N/A</u>

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.7</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>11/19/2025</u>
12. Time Received	<u>17:46</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	M-31S	N/A		Q3688-01	Intact
2	Q3688-01MS	N/A		Q3688-02	Intact
3	Q3688-01MSD	N/A		Q3688-03	Intact
4	RBGW-20251119	N/A		Q3688-04	Intact
5	TBGW-20251119	N/A		Q3688-05	Intact
6	M-32I	N/A		Q3688-06	Intact
7	EMS	N/A		Q3688-08	Intact
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <u>N/A</u>
Date <u>11/19/25</u>	Logbook Page No. <u>N/A</u>

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>2</u> of <u>4</u>
Received By (Print Name) <u>Cassanova Rene</u>		Log-in Date 11/20/2025
Received By (Signature) <u>[Signature]</u>		
Case Number	Sharkey Landfill Site	SDG No. Q3688
		MA No. N/A

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.1 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/20/2025
12. Time Received	17:20

	EPA Sample #	Aqueous Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	M-311	N/A		Q3688-09	Intact
2	M-32S	N/A		Q3688-10	Intact
3	RBGW-20251120	N/A		Q3688-11	Intact
4	M-30S	N/A		Q3688-12	Intact
5	M-30I	N/A		Q3688-13	Intact
6	TBGW-20251120	N/A		Q3688-14	Intact
7	FDGW-20251120	N/A		Q3688-15	Intact
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/20/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>6</u>
Received By (Print Name) <u>Cassanova Rene</u>		Log-in Date 11/21/2025
Received By (Signature) <u>[Signature]</u>		
Case Number	Sharkey Landfill Site	SDG No. Q3688
		MA No. N/A

Remarks:			EPA Sample #	Aqueous Water Sample pH	Corresponding Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal (s)	Absent						
2. Custody Seal Nos.	N/A						
3. Traffic Reports/Chain Of Custody Records	Absent						
4. Airbill	Present						
5. Airbill No. and Shipping Container ID No.	Alliance pickup 3						
6. Shipping Container Temperature Indicator Bottle	Present						
7. Shipping Container Temperature	2.0 Degree C						
8. Sample Condition	Intact						
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report						
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes						
11. Date Received at Lab	11/21/2025						
12. Time Received	18:10						
		1	WS-14	N/A		Q3688-16	Intact
		2	M-29	N/A		Q3688-17	Intact
		3	RBGW-20251121	N/A		Q3688-18	Intact
		4	M-28I	N/A		Q3688-19	Intact
		5	WS-1	N/A		Q3688-20	Intact
		6	TBGW-20251121	N/A		Q3688-21	Intact
		7	N/A	N/A	N/A	N/A	N/A
		8	N/A	N/A	N/A	N/A	N/A
		9	N/A	N/A	N/A	N/A	N/A
		10	N/A	N/A	N/A	N/A	N/A
		11	N/A	N/A	N/A	N/A	N/A
		12	N/A	N/A	N/A	N/A	N/A
		13	N/A	N/A	N/A	N/A	N/A
		14	N/A	N/A	N/A	N/A	N/A
		15	N/A	N/A	N/A	N/A	N/A
		16	N/A	N/A	N/A	N/A	N/A
		17	N/A	N/A	N/A	N/A	N/A
		18	N/A	N/A	N/A	N/A	N/A
		19	N/A	N/A	N/A	N/A	N/A
		20	N/A	N/A	N/A	N/A	N/A
		21	N/A	N/A	N/A	N/A	N/A
		22	N/A	N/A	N/A	N/A	N/A
		23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/21/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>4</u> of <u>4</u>
Received By (Print Name) <u>Casimiro Peria</u>		Log-In Date 11/24/2025
Received By (Signature) <u>[Signature]</u>		
Case Number	Sharkey Landfill Site	SDG No. Q3688
		MA No. N/A

Remarks:	
1. Custody Seal (s)	Absent
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Absent
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	Alliance pickup 4
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.3 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/24/2025
12. Time Received	13:00

	EPA Sample #	Aqueous Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	RBGW-20251124	N/A		Q3688-22	Intact
2	M-28S	N/A		Q3688-23	Intact
3	TBGW-20251124	N/A		Q3688-24	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/24/25</u>	Logbook Page No. N/A

FORM DC-2
FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	CHEMTECH CONSULTING GROUP		
LAB CODE	ACE		
CONTRACT NO.	EPW14030		
CASE NO.	Sharkey Landfill Site	SDG NO.	Q3688
MA NO.			
SOW NO.	SFAM01.1		

All documents delivered in the Complete SDG File must be original documents where possible.
(Reference - Exhibit B Section 2.4)

	PAGE NOS:		CHECK	
	FROM	TO	LAB	REGION
1 . SDG Cover Page	1	2	✓	
2 . Sample TR/COCs	3	6	✓	
3 . Sample Login Sheet (DC-1)	7	10	✓	
4 . CSF Inventory Sheet (DC-2)	11	14	✓	
5 . SDG Narrative	15	17	✓	
Inorganic Analysis				
ICP-AES				
6 . Inorganic Analysis Data Sheet (Form 1-IN)	18	33	✓	
7 . Initial and Continuing Calibration Verification (Form 2-IN)	34	35	✓	
8 . Blanks (Form 3-IN)	36	36	✓	
9 . ICP Interference Check Sample (Form 4-IN)	37	37	✓	
10 . Matrix Spike Sample Recovery (Form 5A-IN)	38	38	✓	
11 . Post-Digestion Spike Sample Recovery (Form 5B-IN)	39	39	✓	
12 . Duplicates (Form 6-IN)	40	40	✓	
13 . Laboratory Control Sample (Form 7-IN)	41	41	✓	
14 . ICP-AES Serial Dilutions (Form 8-IN)	42	42	✓	
15 . Method Detection Limits (Form 9-IN)	43	43	✓	

FORM DC-2
FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOS:		CHECK	
	FROM	TO	LAB	REGION
16 . ICP-AES Interelement Correction Factors (Form 10A-IN)	44	44	✓	
17 . ICP-AES Interelement Correction Factors (Form 10B-IN)	45	46	✓	
18 . Analysis Log (Form 12-IN)	47	47	✓	
19 . Initial Calibration (Form 15-IN)	48	50	✓	
20 . Initial Calibration Summary (Form 16-IN)	51	51	✓	
21 . ICP-AES Raw Data	52	161	✓	
22 . ICP-AES Preparation Log Books, Preparation records, Analysis records, and PE Instructions	162	303	✓	
ICP-MS				
23 . Inorganic Analysis Data Sheet (Form 1-IN)	NA	NA	✓	
24 . Initial and Continuing Calibration Verification (Form 2-IN)	NA	NA	✓	
25 . Blanks (Form 3-IN)	NA	NA	✓	
26 . ICP Interference Check Sample (Form 4-IN)	NA	NA	✓	
27 . Matrix Spike Sample Recovery (Form 5A-IN)	NA	NA	✓	
28 . Post-Digestion Spike Sample Recovery (Form 5B-IN)	NA	NA	✓	
29 . Duplicates (Form 6-IN)	NA	NA	✓	
30 . Laboratory Control Sample (Form 7-IN)	NA	NA	✓	
31 . ICP-MS Serial Dilutions (Form 8-IN)	NA	NA	✓	
32 . Method Detection Limits (Form 9-IN)	NA	NA	✓	
33 . ICP-MS Internal Standard Association (Form 11-IN)	NA	NA	✓	
34 . Analysis Log (Form 12-IN)	NA	NA	✓	
35 . ICP-MS Tune (Form 13-IN)	NA	NA	✓	
36 . ICP-MS Internal Standard Relative Intensity Summary (Form 14-IN)	NA	NA	✓	
37 . Initial Calibration (Form 15-IN)	NA	NA	✓	

FORM DC-2
FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOS:		CHECK	
	FROM	TO	LAB	REGION
38 . Initial Calibration Summary (Form 16-IN)	NA	NA	✓	
39 . ICP-MS Raw Data	NA	NA	✓	
40 . ICP-MS Preparation Log Books, Preparation records, Analysis records, and PE Instructions	NA	NA	✓	
Mercury				
41 . Inorganic Analysis Data Sheet (Form 1-IN)	304	319	✓	
42 . Initial and Continuing Calibration Verification (Form 2-IN)	320	320	✓	
43 . Blanks (Form 3-IN)	321	321	✓	
44 . Matrix Spike Sample Recovery (Form 5A-IN)	322	322	✓	
45 . Duplicates (Form 6-IN)	323	323	✓	
46 . Method Detection Limits (Form 9-IN)	324	324	✓	
47 . Analysis Log (Form 12-IN)	325	325	✓	
48 . Initial Calibration (Form 15-IN)	326	327	✓	
49 . Initial Calibration Summary (Form 16-IN)	328	328	✓	
50 . Mercury Raw Data	329	330	✓	
51 . Mercury Preparation Log Books, Preparation records, Analysis records, and PE Instructions	331	360	✓	
Cyanide				
52 . Inorganic Analysis Data Sheet (Form 1-IN)	NA	NA	✓	
53 . Initial and Continuing Calibration Verification (Form 2-IN)	NA	NA	✓	
54 . Blanks (Form 3-IN)	NA	NA	✓	
55 . Matrix Spike Sample Recovery (Form 5A-IN)	NA	NA	✓	
56 . Post-Distillation Spike Sample Recovery (Form 5B-IN)	NA	NA	✓	
57 . Duplicates (Form 6-IN)	NA	NA	✓	
58 . Method Detection Limits (Form 9-IN)	NA	NA	✓	

FORM DC-2
FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOS:		CHECK	
	FROM	TO	LAB	REGION
59 . Analysis Log (Form 12-IN)	NA	NA	✓	
60 . Initial Calibration (Form 15-IN)	NA	NA	✓	
61 . Initial Calibration Summary (Form 16-IN)	NA	NA	✓	
62 . Cyanide Raw Data	NA	NA	✓	
63 . Cyanide Preparation Log Books, Preparation records, Analysis records, and PE Instructions	NA	NA	✓	
Additional				
64. Percent Solids Determination Log	NA	NA	✓	
65. EPA Shipping/Receiving Documents	NA	NA	✓	
Airbill (No. of Shipments <u>0</u>)	NA	NA	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	361	364	✓	
66. Misc. Shipping/Receiving Records(list all individual records)				
Communication Logs	NA	NA	✓	
67. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)	365	366	✓	
68. Other Records (describe or list) Communication Logs	NA	NA	✓	
69. Comments:				

Completed by: (CLP Lab)	_____	Nimisha Pandya, Document Control Officer	_____
	(Signature)	(Print Name & Title)	(Date)
Audited by: (EPA)	_____	_____	_____
	(Signature)	(Print Name & Title)	(Date)



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # Q3688

CASE # Sharkey Landfill Site FYR Reuse Morris County NJ

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # Q3688

A. Number of Samples and Date of Receipt

16 Water samples were delivered to the laboratory intact on 11/19/2025, 11/20/2025, 11/21/2025, 11/24/2025.

B. Parameters

Test requested for Metals CLP12 = Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver, & Mercury.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence

Cooler: 2.7°C, 2.1°C, 2.0°C, & 2.3°C

D. Analytical Techniques:

All analyses were based on CLP Methodology by method SFAM01.1.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

E. Calculation:

Calculation for ICP-AES Water Sample:

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \frac{V_f}{V_i} \times \text{DF} \times 1000$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)



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Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

Example Calculation For Sample M-31S For Chromium:

$$\begin{aligned}\text{If } C &= 0.0006719 \text{ ppm} \\ V_f &= 50 \text{ ml} \\ V_i &= 50 \text{ ml} \\ DF &= 1 \\ \text{Concentration or Result } (\mu\text{g/L}) &= 0.0006719 \times \frac{50}{50} \times 1 \times 1000 \\ &= 0.6719 \mu\text{g/L} \\ &= 0.67 \mu\text{g/L} \text{ (Reported Result with Signification)}\end{aligned}$$

Calculation for Hg Water Sample:

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times DF$$

Where,

C = Instrument response in $\mu\text{g/L}$ from the calibration curve.
DF = Dilution Factor

Example Calculation :

$$\begin{aligned}\text{If } C &= 0.0278 \text{ ppb} \\ DF &= 1 \\ \text{Concentration or Result } (\mu\text{g/L}) &= 0.0278 \times 1 \\ &= 0.0278 \mu\text{g/L} \\ &= 0.028 \mu\text{g/L} \text{ (Reported Result with Signification)}\end{aligned}$$

F. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements. Duplicate sample did meet requirements. Serial Dilution did meet requirements.



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I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature_____

Name: Nimisha Pandya

Date _____

Title: Document Control Officer