

# 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** 





RBGW-20251124

TBGW-20251124

M-28S



# **Cover Page**

Order ID: Q3688

Project ID: Sharkey Landfill Site FYR Reuse Morris County NJ

Client: WSP USA Inc.

#### **Lab Sample Number Client Sample Number** Q3688-01 M-31S Q3688-02 Q3688-01MS Q3688-03 Q3688-01MSD Q3688-04 RBGW-20251119 Q3688-05 TBGW-20251119 Q3688-06 M-32I Q3688-07 VHBLK001 Q3688-09 M-31I Q3688-10 M-32S Q3688-11 RBGW-20251120 Q3688-12 M-30S Q3688-13 M-30I Q3688-14 TBGW-20251120 Q3688-15 FDGW-20251120 Q3688-16 WS-14 Q3688-17 M-29 Q3688-18 RBGW-20251121 Q3688-19 M-28I WS-1 Q3688-20 Q3688-21 TBGW-20251121

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 :		
Signature .	Date:	12/9/2025

NYDOH CERTIFICATION NO - 11376

Q3688-22

Q3688-23

Q3688-24

NJDEP CERTIFICATION NO - 20012



ALLIANCE PROJECT NO. QUOTE NO.

coc Number 2044519

FAX:   FAX:   PHONE: \$5.6246.853   FAX:   PHONE: \$5.6246	Copyright @ 2024	3. PASAMPLES	RELINQUISHED BY SAMPLEH: 2.	Magne	RELINQUISHED BY SAMPLER:		10.	ò	œ	7.	6	òı	4.	3. 7	22	7	10	ALLIANCE		STANDARD HARDCOPY TURNARO	EDD:	HARDCOPY (DATA PACKAGE):	FAX (RUSH)	DAT/	PHONE: 856	ATTENTION:		CITY MORRISTOWN	بدا
LYSIS LYSIS	WHITE - ALLIAN	DATE/TIME:   + 4 BECEIVED	DAI EVIME:	11/19/25/1633	DATE/TIME:	SAMPLE CUSTODY MUST BE DOG							M-32T	250	2025	m-31S	SAMPLE DEN HICAHON	PROJECT		BY CHEMIECH OPY TURNAROUND TIME IS 10 BUSINESS			DAYS*	DATA TURNAROUND INFORMATION	2468331 FAX:	RICIA LANDES		STATE:NJ ZIP: 07/60	KEMBLE AVE
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ALLIANCE PROJECT NO. 3 (
QUOTE NO. 2044520

	CLIENT INFORMATION	CLIENT PROJECT INCORMATION	CLIENT BILLING INEOBMATION
COMPANY:	REPORT TO BE SENT TO:	PROJECT NAME: SHARKEY LF	BILL TO: NOSP USA INC. PO#
ADDRESS: 3	550 MT KEMBLE AVE		S: 350 MT /CEMBLE
CITY MOR	MORRISTOWN STATE: NJ. ZIP: 07960	PROJECT MANAGER: TRICIA LANDES	RRISTOWN STATE: N
ATTENTION:	TRICIA LANDES	· Landes	NTION: TRICIA LANDES
PHONE 85	6246 8331 FAX:	PHONE: 856246833 FAX:	ANALYSIS
	S N	DATA DELIVERABLE	
FAX (RUSH)	DAYS*	☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)	1 Star
HARDCOPY (D.	HARDCOPY (DATA PACKAGE): DAYS*	Level 2 (Results + QC) S NJ Reduced US EPA CLP	12/2012/2
EDD:	DAYS*	☐ Level 3 (Results + QC ☐ NYS ASP A ☐ NYS ASP B	7.
'TO BE APPRO STANDARD HA	*TO BE APPROVED BY CHEMTECH STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS	+ Raw Data) Other 1: 2 3.	4 5 6 7 8 9
		SAMPLE SAMPLE	PRESERVATIVES COMMENTS
SAMPLE	PROJECT	COLLECTION	← Specify Preservatives  A-HCI D-NaOH
ō	SAMPLE IDENTIFICATION	COMP GRAB DATE TIME # 0F B	5 6 7 8 9 C-H
1.	M-31I	GW 611/20/25 1210 5 XXX	× 1 HO VOR # 5 1 HG
5	m-325		×
ω	RB6W-20251120	1340 5 X X	×
4.	m-305	1215 S X X X	X
'n	m-301	X X X 5 Sh51	×
6.	TBGW-20-25 1170		
7.	FDGW_20251120	X X S 0000 + + +	X FIELD 7
8.			
9.			
10.			
	SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME	SAMPLES CHANGE	POSSESSION INCLUDING COURIER DELIVERY
RELINQUISHED BY SAMPLER:	YSAMPLER: DATE/TIME: RECEIVED BY	Conditions of bottles or coolers at receipt:   Comments:	O NON COMPLIANT OF COLER TEMP 2.1.C
RELINQUISHED BY SAMPLER	Y SAMPLER: DATE/TIME: RECEIVED BY:		
5			
RELINOUISMED BY	SAMPLER: DATE/TIME:17 2		elivered 🗆 Other Shipment Complete
(	· 1002.00. 10 10 10 10 10 10 10 10 10 10 10 10 10	Page of	



ALLIANCE PROJECT NO. QUOTE NO.

coc Number 2044521

	CLIENT PROJECT INFORMATION  COMPANY: WS P US A INC.  COMPANY: WS P US A INC.  COMPANY: WS P US A INC.  STATE: NJ ZIP: 07-160  ADDRESS: 350 MT KEMBLE AVE  CITY MORRISTOWN  STATE: NJ ZIP: 07-160  ATTENTION: TRICIA LANDES  ATTENTION: TRICIA LANDES  PROJECT MANGER: TRICIA LANDES  AMPLE TRICIA LANDES  PROJECT MANGER: TRICIA LANDES  AMPLE COLLECTION  SAMPLE COLLECTION  MATRIX 8 B OCCUMENTO  MATR
	SHARKEY LF  LOCATION: PARINGANY, M ADDRESS: 350 MT KEWBLE. AV  TRICIA LANDES  CITY MORRASTON  CITY MORRASTON:  LIVERABLE INFORMATION  CITY MORRASTON:  LIVERABLE INFORMATION  CITY MORRASTON:  ANALYSIS  LIVERABLE INFORMATION  CITY MORRASTON:  ANALYSIS  CON  SAMPLE  Other  TIME
CCT N COMP TAN DA	ECTINFORMATION  ELECTINFORMATION  ELECTINFORMATI
CCT N COMP TAN DA	BILL TO: INSP USA INC. PO#:  ADDRESS: 350 MT KEWBLE AV  CITY MORRASTOWN STATE: NJ  CONN ATTENTION: TRICA LAWDESPHONE: 856  PRESERVATIVES  PRESERVATIVES  PRESERVATIVES  CON X X X X X X X X X X X X X X X X X X X
CT NAME: SHAR  CT NO:  CT MANAGER: TRI  Patricia Lan  Patr	BILL TO: WSP USA NC. PO#:  PARMYLM ADDRESS: 3SO MT KEWBLE AV  CITY MORRISTRUL ALADESPHONE: 856:  ATTENTION: TRICA LADESPHONE: 856:  PRESERVATIVES  PRESERVATIVES  PRESERVATIVES  CON  ANALYSIS  ANALYSIS  CON  ANALYSIS  CON  ANALYSIS  ANALYSIS  ANALYSIS  CON  ANALYSIS  ANALYSIS  ANALYSIS  ANALYSIS  ANALYSIS  CON  ANALYSIS  ANAL
CLIENT PROJECT INFORMATION  ECT NAME: SHARKEY LF  CT NO:: LOCATION: PAR  CT MANAGER: TRICIA LAN3  PRATICIA LANGES & WSR  PRATICIA LANGES WSR  PRATICIA LANGES WSR  I (Results Only) D LEVEL A (OC + Full Raw D)  II (Results + QC) W NJ Reduced D US EPA  BIS (Results + QC D NYS ASPA D)  I (Results + QC D NYS ASPA	STATE: NJ STATE: NJ SHONE: 856: AHCI BHN03 9 C-M2504 PH 1-16
CLIENT PROJECT INFORMATION  ECT NAME: SHARLEY LF  CT NO: LOCATION: PARY  CT MANAGER: TRICIA LANDE  PATRICIA LANDE  PATRICIA LANDES QUESA CO  PATRICIA LANDE  PATRICIA LANDES QUESA CO  PATRICIA LANDE  PATRICIA LANDES QUESA CO  PATRICIA LANDES CO  PATRICIA LANDES QUESA CO  PATRICIA LANDES QUESA CO  PATRICIA LANDES QUESA CO  PATRICIA LANDES CO  PATRICIA LA	STATE: NJ STATE: NJ STATE: NJ SHONE: 856: AHCI BHN03 9 CH2SO4 DIT 1:6
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CLIENT PROJECT INFORMATION  CT MANAGER: TRICIA LANDES  PRATICIA LANDES  PRATICIA LANDES  PRATICIA LANDES  PRATICIA LANDES  PRATICIA LANDES  DATA DELIVERABLE INFORMATION  I (Results Only) Level 4 (QC + Full Raw Data)  II (Results + QC) Y NJ Reduced D US EPA CLP  SI (Results + QC) W NJ Reduced D US EPA CLP  TYPE  COLLECTION  SAMPLE  TYPE  COLLECTION  R  DATE  TIME  TOSS  TONE  TOSS	STATE: NJ STATE: NJ STATE: NJ SHANCI BANCI
CLIENT PROJECT INFORMATION  CT NAME: SHAPLE LOCATION: PARILE NAME: SHAPLE LOCATION: PARILE NAME: 350  CT MANAGER: TRICIA LANGES COM ADDRESS: 350  CT MANAGER: TRICIA LANGES COM ATTENTION: TRICIA  PARTICIA LANGES COMSA COM ATTENTION: TRICIA  I (Results Only) C Level 4 (QC + Full Raw Data)  I (Results + QC) ST NJ Reduced C US EPA CLP  II (Results + QC) ST NJ Reduced C US EPA CLP  II (Results + QC) ST NJ Reduced C US EPA CLP  II (Results + QC) ST NJ Reduced C US EPA CLP  II (Results + QC) ST NJ REDUCED C US EPA CLP  II (Result	STATE: NJ STATE: NJ SHONE: 856: A-KSIS  PO#: CON A-HCI B-HN03 9 C-H2SO4 PIT 1:6
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COC Number 2044522

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Lab Name : Alliance Technical Group, LLC	Page 1 of 4
Received By (Print Name) ( SSanova Conc	Log-in Date 11/19/2025
Received By (Signature)	· · · · · · · · · · · · · · · · · · ·
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
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.7 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
Date Received at     Lab	11/19/2025
2.Time Received	17:46

			Corresp	onding	]
	EPA Sample #	Aqueous Water Sample pH		Assigne Lab #	Remarks: Condition of Sample d Shipment, etc.
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 12
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 I	N/A	N/A	N/A

Reviewed By		Logbook No.	N/A	
Date	11/19/25	Logbook Page No.	N/A	

Lab Name : Alliance Technical Group, LLC	Page_2_of_Lj
Received By (Print Name) assarous Kone	Log-in Date 11/20/2025
Received By (Signature)	3
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
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
0. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree?	Yes
I. Date Received at Lab	11/20/2025
2.Time Received	17:20

			Cor	responding	
	EPA Sample #	Aqueou Water Sample pH		Assigne Lab #	Remarks: Condition of Sample Shipment, etc.
1	M-31I	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
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
0	N/A	N/A	V/A	N/A	N/A
1	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	V/A	N/A	N/A
3	N/A	N/A N	I/A	N/A	N/A

Reviewed By		Logbook No.	N/A	
Date	11/20/20	Logbook Page No.	N/A	

Lab Name : Alliance Technical Group, LLC	Page 3 of C
Received By (Print Name) Cassana Kene	Log-in Date 11/21/2025
Received By (Signature)	
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
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
1. Date Received at	11/21/2025
Lab	==,==,=================================
2.Time Received	18:10

			Corn	esponding	
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigne Lab #	Remarks: Condition of Sample Shipment etc.
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
2	N/A	N/A I	V/A	N/A	N/A
23	N/A	N/A	V/A	N/A	N/A

Reviewed By	192	Logbook No.	N/A	
Date	11/21/21	Logbook Page No.	N/A	

Lab Name : Alliance Technical Group, LLC	Page_4 of
Received By (Print Name) asserted lens	Log-in Date 11/24/2025
Received By (Signature)	
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.	Alllance pickup
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
1. Date Received at	11/24/2025
Lab	11/24/2025

			Correspo	onding	
	EPA Sample #	Sample Sample		Assigned	Remarks: Condition of Sample Shipment, etc.
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
3	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
L3	N/A	N/A	N/A	N/A	N/A
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	V/A	N/A	N/A
9	N/A	N/A I	N/A	N/A	N/A
0	N/A	N/A	N/A	N/A	N/A
1	N/A	N/A	I/A	N/A I	N/A
2	N/A	N/A	I/A	N/A I	V/A
3	N/A	N/A N	I/A	N/A I	N/A

Reviewed By		Logbook No.	N/A	
Date	1124/25	Logbook Page No.	N/A	

LAB NAME	CHEMTECH CONSULTING GROUP
LAB CODE	ACE
CONTRACT NO.	ЕРW14030
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	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	_	<u> </u>	
4. CSF Inventory Sheet (DC-2)	11	14	✓		
5. SDG Narrative	15	17	✓		
Inorganic Analysis					
<pre>ICP-AES 6. Inorganic Analysis Data Sheet (Form 1-IN)</pre>	18	33	✓		
7. Initial and Continuing Calibration Verification (Form 2-IN)	34	35			
8. Blanks (Form 3-IN)	36	36	<b>✓</b>		
9. ICP Interference Check Sample (Form 4-IN)	37	37	<b>✓</b>		
10. Matrix Spike Sample Recovery (Form 5A-IN)	38	38	<b>✓</b>		
11. Post-Digestion Spike Sample Recovery (Form 5B-IN)	39	39	<b>✓</b>		
12. Duplicates (Form 6-IN)	40	40	<b>✓</b>		
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	✓		

	PAGE	NOS:	CF	IECK
	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_	_	·

	PAGE FROM	NOS:	CH LAB	HECK 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_	<b>✓</b>	
Mercury				
41. Inorganic Analysis Data Sheet (Form 1-IN)	304	319	_	
42. Initial and Continuing Calibration Verification (Form 2-IN)	320	320	<b>✓</b>	
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	<b>✓</b>	
47. Analysis Log (Form 12-IN)	325	325	<b>✓</b>	
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_	<b>✓</b>	- <del></del>
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	_	·

		PAGE NOS: CHECK		HECK	
		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	_	_
	Cyanide Preparation Log Books, Preparation records, Analysis records, and PE Instructions	NA .	NA	<b>✓</b>	_
	tional				
64.	Percent Solids Determination Log	NA .	NA		
65.	EPA Shipping/Receiving Documents	NA_	NA		
	Airbill (No. of Shipments)	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:				
	pleted by: P Lab) Nimisha Pandya, Docu	ment Control	Officer		
Aud (EP	(Signature) (Print Name & Title ited by: A)	2)		(Da	ite)
	(Signature) (Print Name & Title	:)		(Da	ite)



### 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:**

Concentration or Result (
$$\mu$$
g/L) =  $C \times \frac{Vf}{Vi} \times DF \times 1000$ 

Where,

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

Vf = Final digestion volume (mL)



# 284 Sheffield Street Mountainside, NJ 07092

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

#### **Example Calculation For Sample M-31S For Chromium:**

If C = 
$$0.0006719$$
 ppm  
Vf =  $50$  ml  
Vi =  $50$  ml  
DF = 1  
Concentration or Result ( $\mu$ g/L) =  $0.0006719$  x  $\frac{50}{50}$  x 1 x 1000  
=  $0.6719$   $\mu$ g/L  
=  $0.67$   $\mu$ g/L (Reported Result with Signification)

#### **Calculation for Hg Water Sample:**

Concentration or Result ( $\mu g/L$ ) =  $C \times DF$ Where,  $C = Instrument response in <math>\mu g/L$  from the calibration curve. DF = Dilution Factor

#### **Example Calculation:**

If C = 0.0278 ppb 
$$DF = 1$$

Concentration or Result ( $\mu$ g/L) = 0.0278 x 1 = 0.0278  $\mu$ g/L = 0.028  $\mu$ g/L (Reported Result with Signification)

#### 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.



# 284 Sheffield Street Mountainside, NJ 07092

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