

DATA PACKAGE

GENERAL CHEMISTRY METALS GC SEMI-VOLATILES

PROJECT NAME: FRESH KILLS LANDFILL LEACHATE TREATMENT PLANT

INFRAMARK

310 West Service Road

Staten Island, NY - 10312

Phone No: 718-227-6333

ORDER ID: N3259

ATTENTION: Kevin Russell





N3259 1 of 27



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Cover Page

Order ID: N3259

Project ID: Fresh Kills Landfill Leachate Treatment Plant

Client: Inframark

Lab Sample Number Client Sample Number

N3259-01 **BI-WEEKLY-INFLUENT** N3259-02 **BI-WEEKLY-INFLUENT**

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:

N. N. Pandya

By Nimisha Pandya QA/QC Supervisor at 11:40 am, Jun 22, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Inframark

Project Name: Fresh Kills Landfill Leachate Treatment Plant

Project # N/A

Chemtech Project # N3259

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/08/2022.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, COD, Metals Group3, Oil and Grease, PESTICIDE Group1 and Phosphorus-Total. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of PESTICIDE Group1s was based on method 608.3 and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

BI-WEEKLY-INFLUENT [Decachlorobiphenyl(1) - 37%, Decachlorobiphenyl(2) - 25%],

BI-WEEKLY-INFLUENTRE [Decachlorobiphenyl(1) - 53% and Decachlorobiphenyl(2) - 44%1

the failure sample in surrogates was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.

The RPD for {PB145434BSD} with File ID: PL075687.D met criteria except for delta-BHC[33%], due to difference in results of BS-BSD.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements .

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E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

C: an aturna	N. N. Pandya	
Signature	. ()	

APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:41 am, Jun 22, 2022

N3259 **5 of 27**



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

CASE NARRATIVE

Inframark

Project Name: Fresh Kills Landfill Leachate Treatment Plant

Project # N/A

Chemtech Project # N3259 **Test Name: Metals Group3**

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/08/2022.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group1, COD, Metals Group3, Oil and Grease, PESTICIDE Group1 and Phosphorus-Total. This data package contains results for Metals Group3.

C. Analytical Techniques:

The analysis and digestion of Metals Group3 was based on method 200.7.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample BI-WEEKLY-INFLUENT was diluted due to high concentrations for Iron.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

N. N. Pandya Signature____

APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:41 am, Jun 22, 2022

N3259 6 of 27



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

CASE NARRATIVE

Inframark

Project Name: Fresh Kills Landfill Leachate Treatment Plant

Project # N/A

Chemtech Project # N3259

Test Name: Oil and Grease, Phosphorus-Total, COD, Anions Group 1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/08/2022.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group1, COD, Metals Group3, Oil and Grease, PESTICIDE Group1 and Phosphorus-Total. This data package contains results for Oil and Grease, Phosphorus-Total, COD, Anions Group 1.

C. Analytical Techniques:

The analysis of Oil and Grease was based on method 1664A, The analysis of Anions Group1 was based on method 300.0, The analysis of Phosphorus-Total was based on method 365.3 and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample BI-WEEKLY-INFLUENT was diluted due to high concentrations for

Phosphorus, Total, and Chloride.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate (POOL-WATERMSD) analysis met criteria for all samples except for Chloride due to matrix interferences.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

N3259-01 was analyzed with 10X dilution for COD and Chloride due to brown matrix and client history.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____N. N. Pankya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:41 am, Jun 22, 2022

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following "Results Qualifiers" are used:

- J Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U Indicates the analyte was analyzed for, but not detected.
- ND Indicates the analyte was analyzed for, but not detected
- E Indicates the reported value is estimated because of the presence of interference
- M Indicates Duplicate injection precision not met.
- N Indicates the spiked sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- * Indicates that the duplicate analysis is not within control limits.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- D Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- M Method qualifiers
 - **"P"** for ICP instrument
 - "PM" for ICP when Microwave Digestion is used
 - "CV" for Manual Cold Vapor AA
 - "AV" for automated Cold Vapor AA
 - "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi –Automated Spectrophotometric
 - "C" for Manual Spectrophotometric
 - **"T"** for Titrimetric
 - "NR" for analyte not required to be analyzed
- OR Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
- Q Indicates the LCS did not meet the control limits requirements
- H Sample Analysis Out Of Hold Time



Value

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

U Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.

If the result is a value greater than or equal to the detection limit, report the value

ND Indicates the analyte was analyzed for, but not detected

- **J** Indicates an estimated value. This flag is used:
 - (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)
 - (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
- B Indicates the analyte was found in the blank as well as the sample report as "12 B".
- E Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
- **D** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- P This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
- N This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
- **A** This flag indicates that a Tentatively Identified Compound is a suspected aldolcondensation product.
- Q Indicates the LCS did not meet the control limits requirements



APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N3259

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	<u> </u>
Is the chain of custody signed and complete	'
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	<u> </u>
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	<u>√</u> <u>√</u> <u>√</u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	<u>✓</u>
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	<u>✓</u>
Was client requirement followed?	<u>✓</u>
Does the case narrative summarize all QC failure?	√ √ √
All runlogs and manual integration are reviewed for requirements	<u> </u>
All manual calculations and /or hand notations verified	<u> </u>

1st Level QA Review Signature:

SOHIL JODHANI

Date: 06/22/2022

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 11:42 am, Jun 22, 2022

2nd Level QA Review Signature:

N3259



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

Hit Summary Sheet SW-846

SDG No.: N3259 Order ID: N3259

Client: Inframark **Project ID:** Fresh Kills Landfill Leachate Treatme RDL Sample ID **Client ID Parameter** Concentration \mathbf{C} MDL Units Client ID: **BI-WEEKLY-INFLUENT** N3259-01 BI-WEEKLY-INFLUI WATER 4,4-DDD 0.0071 0.00050 $0.0050 \ ug/L$ 0.01 **Total Concentration:** Client ID: **BI-WEEKLY-INFLUENTRE** 0.0075 N3259-01RE BI-WEEKLY-INFLUI WATER 4,4-DDD $0.0050 \, ug/L$ 0.00050

Total Concentration:

0.01

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SAMPLE DATA

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% Moisture:

100

Decanted:

Analytical Method:

Report of Analysis

Client: Inframark Date Collected: 06/08/22

Project: Fresh Kills Landfill Leachate Treatment Plant Date Received: 06/08/22

Client Sample ID: BI-WEEKLY-INFLUENT SDG No.: N3259

Lab Sample ID: N3259-01 Matrix: WATER

Sample Wt/Vol: 1000 Units: mL Final Vol: 1000 uL

Soil Aliquot Vol: uL Test: PESTICIDE Group1

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

608.3

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 PL075671.D
 1
 06/09/22 08:50
 06/09/22 16:27
 PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0050	U	0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0050	U	0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0050	U	0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0050	U	0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0050	U	0.00050	0.0050	ug/L
72-20-8	Endrin	0.0050	U	0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0071		0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0050	U	0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.1		60 - 140	61%	SPK: 20
2051-24-3	Decachlorobiphenyl	5.07	*	60 - 140	25%	SPK: 20

Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

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Report of Analysis

Client: Inframark Date Collected: 06/08/22 Project: Fresh Kills Landfill Leachate Treatment Plant Date Received: 06/08/22 SDG No.: Client Sample ID: **BI-WEEKLY-INFLUENTRE** N3259 Lab Sample ID: N3259-01RE WATER Matrix:

Analytical Method: 608.3 % Moisture: 100 Decanted: Sample Wt/Vol: 1000 Units: mL Final Vol: 1000 uL

Soil Aliquot Vol: uL Test: PESTICIDE Group1

Extraction Type: Injection Volume :

GPC Factor: 1.0 PH:

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 PL075684.D
 1
 06/09/22 08:50
 06/10/22 15:15
 PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0050	U	0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0050	U	0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0050	U	0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0050	U	0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0050	U	0.00050	0.0050	ug/L
72-20-8	Endrin	0.0050	U	0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0075		0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0050	U	0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.1		60 - 140	60%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.78	*	60 - 140	44%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

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284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: N3259 **OrderDate:** 6/8/2022 12:24:00 PM

Client: Inframark Project: Fresh Kills Landfill Leachate Treatment Plant

Contact: Kevin Russell Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N3259-01	BI-WEEKLY-INFLUENT	WATER	PESTICIDE Group1	608.3	06/08/22	06/09/22	06/09/22	06/08/22
N3259-01RE	BI-WEEKLY-INFLUENT RE	WATER			06/08/22			06/08/22
			PESTICIDE Group1	608.3		06/09/22	06/10/22	

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

Hit Summary Sheet SW-846

SDG No.: N3259 **Order ID:** N3259

Client: Inframark Project ID: Fresh Kills Landfill Leachate Treatment Pla

Chent:	IIIIIaiilai K			r roject il	,	Fresh Kins Landini Leachate Treatment Fiz			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
Client ID:	BI-WEEKLY-INFLUENT								
N3259-01	BI-WEEKLY-INFLUENT	Water	Aluminum	111.000		15.0	50.0	ug/L	
N3259-01	BI-WEEKLY-INFLUENT	Water	Arsenic	16.400		3.08	10.0	ug/L	
N3259-01	BI-WEEKLY-INFLUENT	Water	Iron	13,500.000	D	132	500	ug/L	
N3259-01	BI-WEEKLY-INFLUENT	Water	Zinc	7.240	J	2.33	20.0	ug/L	

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SAMPLE DATA

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Report of Analysis

Client: Inframark Date Collected: 06/08/22 Project: Fresh Kills Landfill Leachate Treatment Plant Date Received: 06/08/22 SDG No.: Client Sample ID: **BI-WEEKLY-INFLUENT** N3259 Lab Sample ID: N3259-01 Matrix: Water % Solid: Level (low/med): low 0

Cas	Parameter	Conc.	Qu	a. D	F MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	111		1	15.0	50.0	ug/L	06/09/22 09:10	06/10/22 19:09	EPA 200.7
7440-38-2	Arsenic	16.4		1	3.08	10.0	ug/L	06/09/22 09:10	06/10/22 19:09	EPA 200.7
7440-50-8	Copper	10.0	U	1	4.99	10.0	ug/L	06/09/22 09:10	06/10/22 19:09	EPA 200.7
7439-89-6	Iron	13500	D	10	132	500	ug/L	06/09/22 09:10	06/14/22 16:41	EPA 200.7
7440-66-6	Zinc	7.24	J	1	2.33	20.0	ug/L	06/09/22 09:10	06/10/22 19:09	EPA 200.7

Color Before: Yellow Clarity Before: Cloudy Texture:

Color After: Yellow Clarity After: Cloudy Artifacts:

Comments: Metals Group3

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence

of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

N3259



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: N3259 **OrderDate:** 6/8/2022 12:24:00 PM

Client: Inframark Project: Fresh Kills Landfill Leachate Treatment Plant

Contact: Kevin Russell Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N3259-01	BI-WEEKLY-INFLUENT	Water			06/08/22			06/08/22
			Metals Group3 Metals Group3	200.7 200.7		06/09/22 06/09/22	06/10/22 06/14/22	

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В

SAMPLE DATA

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Report of Analysis

Client: Date Collected: 06/08/22 07:00

Project: Fresh Kills Landfill Leachate Treatment Plant Date Received: 06/08/22

Client Sample ID: BI-WEEKLY-INFLUENT SDG No.: N3259

Lab Sample ID: N3259-01 Matrix: WATER

% Solid:

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	1480	OR	10	0.97	6.00	mg/L		06/09/22 13:23	300.0
COD	437	D	10	24.0	100	mg/L		06/10/22 14:17	SM5220 D
Phosphorus, Total	1.27	OR	1	0.010	0.050	mg/L	06/09/22 09:45	06/09/22 14:22	365.3

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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WATER



Lab Sample ID:

N3259-01DL

Report of Analysis

Client: Inframark Date Collected: 06/08/22 07:00

Project: Fresh Kills Landfill Leachate Treatment Plant Date Received: 06/08/22

Client Sample ID: BI-WEEKLY-INFLUENTDL SDG No.: N3259

% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	1140	D	300	29.1	180	mg/L		06/09/22 13:53	300.0
Phosphorus, Total	4.17	D	5	0.048	0.25	mg/L	06/09/22 09:45	06/09/22 14:26	365.3

Matrix:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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Lab Sample ID:

N3259-02

Report of Analysis

Client: Date Collected: 06/08/22 08:53

Project: Fresh Kills Landfill Leachate Treatment Plant Date Received: 06/08/22

Client Sample ID: BI-WEEKLY-INFLUENT SDG No.: N3259

% Solid:

WATER

Matrix:

Parameter	Conc. Qua	. DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	1.40 J	1 0.62	5.00	mg/L		06/08/22 16:15	1664A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

23 of 27



Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: N3259 **OrderDate:** 6/8/2022 12:24:00 PM

Client: Inframark Project: Fresh Kills Landfill Leachate Treatment Plant

Contact: Kevin Russell Location: N

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N3259-01	BI-WEEKLY-INFLUENT	WATER			06/08/22 07:00			06/08/22
			Anions Group1	300.0	07.00		06/09/22 13:23	
			COD	SM5220 D			06/10/22 14:17	
			Phosphorus-Total	365.3		06/09/22	06/09/22 14:22	
N3259-01DL	BI-WEEKLY-INFLUENT DL	WATER			06/08/22 07:00			06/08/22
			Anions Group1	300.0			06/09/22 13:53	
			Phosphorus-Total	365.3		06/09/22	06/09/22 14:26	
N3259-02	BI-WEEKLY-INFLUENT	WATER			06/08/22 08:53			06/08/22
			Oil and Grease	1664A	23.00		06/08/22 16:15	

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SHIPPING DOCUMENTS

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8.1

259	CHAIN GE CITSTONY RECORD	284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922	Fax: (9	1113145, 1 08) 78-8 net	922		Chem	tech P	roject	Chemtech Project Number:	er:		7	13259 L	
							၁၀၁	COC Number:	jr:						
	CLIENT INFORMATION	PRC	JECT II	PROJECT INFORMATION	ATION						BILLIF	BILLING INFORMATION	ORM	TION	
COMPANY: Inframark	논	PROJECT NAME: Fresh Kills Landfill Leachate Treatment Plant	sh Kills La	andfill Leach	hate Treatn	ent Plant	BILL TO	BILL TO: Inframark	ᆂ				4	PO# 140115	
ADDRESS: 310 West Service Road	st Service Road	PROJECT #:		LOCATION:	TION:		ADDRE	SS: P.O.	ADDRESS: P.O. Box 90176	92					
CITY: Staten Island	STATE: NY ZIP: 10312	PROJECT MANAGER: K. Russell	R. K. Russ	ell			CITY: SI	CITY: Staten Island	pu				S	STATE: NY ZIP: 10309	
ATTENTION: Kevin Russell		E-MAIL: kevin.russell@inframark.com	@inframar	k.com			ATTEN	ATTENTION: K. Russell	Russell				-	PHONE: (718) 227-6333	
PHONE: (718) 227-6333	5333 FAX: (718) 227-6111	PHONE: (718) 227-6333	333	FAX: (FAX: (718) 227-6111	111			1	ANALYSIS	SIS				
DATA	DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	IVERA	BLE INF	ORMAT	NO		-							
FAX: HARD COPY:	DAYS* DAYS* 10 DAYS*	□ RESULTS ONLY ■ RESULTS * QC □ New Jersey REDUCED	CED	_	USEPA CLP New York State ASP "B" New York State ASP "A"	"B" d	COD, Tota	Al, As, Cu, Fe	Oil & Greas	Low Level	Chloride				
* TO BE APPROV STANDARD TURN	* TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	□ New Jersey CLP		Other		1	-	2	3 4	5	9	7	8	6	G.
		■ EDD Format			PDF				PRE	PRESERVATIVES	TIVES			COMMENTS	NIS
			SAMPLE TYPE		SAMPLE COLLECTION	se	U	ш	C	∀	Ш		H	Specify Preservatives	eservative
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE	COMP	GRAB DATE	TETIME	m # of Bottle	-	7	د 4	- 2	9	7	6 0	04	D-NaOH F-Other
26	Bi-Weekly Influent	ww	×	6/8/22	22 7:00 AM	7 MA	-	-	_		٢			# 4 by EPA 608	
6	Bi-Wookly Influent	MM		X 6/8/22	22 8:53 AM	M			_	2				# 5 by EPA 1631E	
27									H				$\dagger \dagger$		
				-					+	\perp			+		
				1					+	+					
					-			+	+	1	_				
1	SAMPLE CLISTODY MIST BE DOCLIMENTED BELOW	COLIMENTED BEI		- HIM	ESAMD	- ES CH	ANGE	1000	- LESSIC	- N			Tigit.	EACH TIME SAMPLES CHANGE BROSSESSION INCLIBING COURSES DELIVERY	
RELINCOLSHED BY SAMPLER	SAMPLER DATETIME RECEIVED BY	1 (1.85)		ns of bottl	Conditions of bottles or coolers at receipt:	ers at rece	ipt:	Compliant	oliant (□ Non Compliant	ompliar	1	Cooler Temp	emp 2.0	
1. RELINQUISHED BY	UATE/TIME	6	MeOH extra Comments:	traction re nts:	MeOH extraction requires an additional 4oz. Jar for percent solid Comments:	idditional 4	oz. Jar foi	r percen					L Ce in	□ Ice in Cooler?:	
RELINQUISHED BY	DATE/TIME RECEIVED FOR LAB BY 13.	R LAB BY	Page		of	SHIPPE	SHIPPED VIA: CLIENT: Bicked Up Overnight CHEMTECH: Picked Up	IENT: 0	☐ Hand Delin ■ Picked Up	vered D	☐ Overnight ☐ Overnight			Shipment Complete	omplete O NO
												The second second second			



Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-22-15

QA Control Code: A2070148

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