

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1070-01
Client ID:	1 EFFLUENT COMPOSITEMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	76.7		27.4		50	1	99		01/16/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1070-01
Client ID:	1 EFFLUENT COMPOSITEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	74.2		27.4		50	1	94		01/16/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1070-02
Client ID:	2 EFFLUENT GRABMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	21.0		1.30	J	20.0	1	98		01/16/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1070-02
Client ID:	2 EFFLUENT GRABMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	20.8		1.30	J	20.0	1	98		01/16/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1101-01
Client ID:	EFFLUENTMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.49		0.076		0.5	1	83	*	01/16/2025
Orthophosphate as P	mg/L	90-110	0.57		0.048	J	0.5	1	104		01/15/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1101-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.49		0.076		0.5	1	83	*	01/16/2025
Orthophosphate as P	mg/L	90-110	0.56		0.048	J	0.5	1	103		01/15/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1101-01
Client ID:	EFFLUENTMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	33.4		13.4		20.0	1	100		01/16/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1101
Project:	Pre Treatment Plant	Sample ID:	Q1101-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	33.0		13.4		20.0	1	98		01/16/2025