

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
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
Orthophosphate as P	mg/L	90-110	0.54		0.084		0.5	1	91		02/28/2025
Phosphorus, Total	mg/L	90-110	0.60		0.17		0.5	1	86	*	02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
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
Orthophosphate as P	mg/L	90-110	0.54		0.084		0.5	1	91		02/28/2025
Phosphorus, Total	mg/L	90-110	0.60		0.17		0.5	1	87	*	02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
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	66.7		46.6		20.0	1	101		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
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	66.5		46.6		20.0	1	100		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-05
Client ID:	CITY WATERMS	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
Bromide	mg/L	80-120	10.2		0.034	U	10	1	102		02/28/2025
Residual Chlorine	mg/L	71-148	1.42		1.05		0.4	1	92		02/28/2025
Chloride	mg/L	80-120	23.5	OR	21.1	OR	3	1	80		02/28/2025
Fluoride	mg/L	80-120	2.10		0.18	J	2	1	96		02/28/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		02/28/2025
Nitrate	mg/L	80-120	3.80		1.30		2.5	1	100		02/28/2025
Sulfate	mg/L	80-120	17.6		3.20		15	1	96		02/28/2025
Orthophosphate as P	mg/L	80-120	4.80		0.079	U	5	1	96		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-05
Client ID:	CITY WATERMSD	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
Bromide	mg/L	80-120	10.3		0.034	U	10	1	103		02/28/2025
Residual Chlorine	mg/L	71-148	1.43		1.05		0.4	1	95		02/28/2025
Chloride	mg/L	80-120	23.5	OR	21.1	OR	3	1	80		02/28/2025
Fluoride	mg/L	80-120	2.10		0.18	J	2	1	96		02/28/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		02/28/2025
Nitrate	mg/L	80-120	3.80		1.30		2.5	1	100		02/28/2025
Sulfate	mg/L	80-120	17.8		3.20		15	1	97		02/28/2025
Orthophosphate as P	mg/L	80-120	5.20		0.079	U	5	1	104		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1494-01
Client ID:	PURGE-WATERMS	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	1.30		0.24		1	1	106		03/06/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1494-01
Client ID:	PURGE-WATERMSD	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	1.20		0.24		1	1	96		03/06/2025