

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1539-01
Client ID:	TAPIAL3-MW03D-031025-00-T1MS	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	10.4	OR	0.034	U	10	1	104		03/11/2025
Chloride	mg/L	80-120	57.9		56.9	OR	3	1	33	*	03/11/2025
Fluoride	mg/L	80-120	2.10		0.12	J	2	1	99		03/11/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		03/11/2025
Nitrate	mg/L	80-120	2.60		0.0034	U	2.5	1	104		03/11/2025
Sulfate	mg/L	80-120	31.4		16.8		15	1	97		03/11/2025
Orthophosphate as P	mg/L	80-120	2.90		0.079	U	5	1	58	*	03/11/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1539-01
Client ID:	TAPIAL3-MW03D-031025-00-T1MSD	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	9.90	OR	0.034	U	10	1	99		03/11/2025
Chloride	mg/L	80-120	57.9		56.9	OR	3	1	33	*	03/11/2025
Fluoride	mg/L	80-120	2.00		0.12	J	2	1	94		03/11/2025
Nitrite	mg/L	80-120	2.90		0.011	U	3	1	97		03/11/2025
Nitrate	mg/L	80-120	2.50		0.0034	U	2.5	1	100		03/11/2025
Sulfate	mg/L	80-120	30.7		16.8		15	1	93		03/11/2025
Orthophosphate as P	mg/L	80-120	2.70		0.079	U	5	1	54	*	03/11/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1539-02
Client ID:	TAPFTA-MW01I-031025-00-T2MS	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		0.23		1	1	97		03/12/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1539-02
Client ID:	TAPFTA-MW01I-031025-00-T2MSD	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		0.23		1	1	97		03/12/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1567-01
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	0.65		0.19		0.5	1	91		03/14/2025
Orthophosphate as P	mg/L	90-110	0.55		0.12		0.5	1	87	*	03/14/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1567-01
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	0.65		0.19		0.5	1	91		03/14/2025
Orthophosphate as P	mg/L	90-110	0.56		0.12		0.5	1	88	*	03/14/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1567-01
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	32.9		12.7		20.0	1	101		03/14/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1567-01
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	32.9		12.7		20.0	1	101		03/14/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1583-01
Client ID:	EFF-WASTE 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
Cyanide	mg/L	75-125	0.036		0.0012	U	0.04	1	90		03/18/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1583-01
Client ID:	EFF-WASTE 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
Cyanide	mg/L	75-125	0.036		0.0012	U	0.04	1	90		03/18/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1588-01
Client ID:	TAPFTA-MW01D-031425-00-T1MS	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
TOC	mg/L	75-125	22.5	OR	10.4		10	1	121		03/19/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1588-01
Client ID:	TAPFTA-MW01D-031425-00-T1MSD	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
TOC	mg/L	75-125	21.6	OR	10.4		10	1	112		03/19/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1604-02
Client ID:	FRAC-TANK-N45878MS	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
Hexavalent Chromium	mg/L	90-111	0.96		0.0030	U	1.0	2	96		03/19/2025
COD	mg/L	75-125	126		84.0		50.0	1	84		03/21/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1604-02
Client ID:	FRAC-TANK-N45878MSD	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
Hexavalent Chromium	mg/L	90-111	0.95		0.0030	U	1.0	2	95		03/19/2025
COD	mg/L	75-125	125		84.0		50.0	1	82		03/21/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1618-01
Client ID:	TP20250320-01MS	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
Hexavalent Chromium	mg/L	90-111	0.97		0.0030	U	1.0	2	97		03/20/2025

Matrix Spike Summary

Client:	Alliance Technical Group, LLC - Newark	SDG No.:	Q1505
Project:	NJ Waste Water PT	Sample ID:	Q1618-01
Client ID:	TP20250320-01MSD	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
Hexavalent Chromium	mg/L	90-111	0.98		0.0030	U	1.0	2	98		03/20/2025