

Cover Page

Order ID : Q3368

Project ID : Monthly 2025

Client : Aramark Uniforms

Lab Sample Number

Q3368-06
Q3368-07
Q3368-13
Q3368-14

Client Sample Number

OUTSIDE-DUMPSTER
PRESS-SLUDGE
OUTSIDE-DUMPSTER
PRESS-SLUDGE

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 : _____

Date: 11/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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CASE NARRATIVE

Aramark Uniforms

Project Name: Monthly 2025

Project # N/A

Order ID # Q3368

Test Name: TCLP VOA,TCLP BNA Group1,PCB,TCLP Herbicide,TCLP Pesticide,TCLP Mercury,TCLPMetals Group2, ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 10/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCLP VOA,TCLP BNA Group1,PCB,TCLP Herbicide,TCLP Pesticide,TCLP Mercury,TCLPMetals Group2, ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS, Corrosivity, Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS This data package contains results for TCLP VOA(8260D),TCLP BNA Group1(8270E),PCB(8082A),TCLP Herbicide(8151A),TCLP Pesticide(8081B),TCLP Mercury(7470A),TCLPMetals Group2(6010D), ASTM Ammonia(SM4500-NH3),ASTM COD(SM5220 D),ASTM Oil and Grease(1664A),ASTM TS(SM2540 B),Corrosivity(9045D),Ignitability(1030),Oil and Grease(9071B),Paint Filter(9095B),pH(9045D),Reactive Cyanide(9012B),Reactive Sulfide(9034),TS(SM2540 B),TVS(160.4).

C. Analytical Techniques:

TCLP VOA : The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

TCLP BNA Group1 : The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of TCLP BNA Group1 was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

TCLP Pesticide : The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.



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TCLP Herbicide : The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 μ m df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

PCB : The analyses were performed on instrument GCECD_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 μ m df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m; Catalogue # 7HM-G017-11. The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 μ m df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

TCLP Mercury, TCLP Metals Group2 : The analysis of TCLP Metals Group2 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

Wetchem : The analysis of Ignitability was based on method 1030, The analysis of TVS was based on method 160.4, The analysis of ASTM Oil and Grease was based on method 1664A, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of pH was based on method 9040C, The analysis of Corrosivity, pH was based on method 9045D, The analysis of Oil and Grease was based on method 9071B, The analysis of Paint Filter was based on method 9095B, The analysis of ASTM TS, TS was based on method SM2540 B, The analysis of ASTM Ammonia was based on method SM4500-NH₃ and The analysis of ASTM COD was based on method SM5220 D

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : OUTSIDE-DUMPSTER of Corrosivity, pH as sample was receive out of holding time. for PRESS-SLUDGE of Corrosivity, pH as sample was receive out of holding time. OUTSIDE-DUMPSTER of TS, TVS as sample was analyzed out of holding time due to activated sample. for PRESS-SLUDGE of TS, TVS as sample was analyzed out of holding time for activated sample due to samples activate later. TCLP Herbicide: TCLP extraction to normal extraction out of hold because sample's activate later. TCLP Pesticide: TCLP extraction to normal extraction out of hold because sample's activate later.

The Surrogate recoveries were met for all analysis except following
TCLP Pesticide : OUTSIDE-DUMPSTER [Decachlorobiphenyl(1)38%,
Decachlorobiphenyl(2)20%, Tetrachloro-m-xylene(1)46%, Tetrachloro-m-xylene(2)55%], OUTSIDE-DUMPSTERRE [Decachlorobiphenyl(1)44%,



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Decachlorobiphenyl(2)41%, Tetrachloro-m-xylene(1)48%, Tetrachloro-m-xylene(2)59%], PRESS-SLUDGE [Decachlorobiphenyl(1)27%, Decachlorobiphenyl(2)21%, Tetrachloro-m-xylene(1)15% and Tetrachloro-m-xylene(2)37%], PRESS-SLUDGERE [Decachlorobiphenyl(1)32%, Decachlorobiphenyl(2)28%, Tetrachloro-m-xylene(1)15% and Tetrachloro-m-xylene(2)39%], OUTSIDE-DUMPSTERMS [Decachlorobiphenyl(1)47%, Decachlorobiphenyl(2)31%], OUTSIDE-DUMPSTERMSD [Decachlorobiphenyl(1)48%, Decachlorobiphenyl(2)35%], due to matrix interference. These samples did not re-extracted as there was no extra volume. Hence samples re-analyzed and original & Reanalysis both are reported.

PCB : PRESS-SLUDGE [Decachlorobiphenyl(1)182%]AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except following

TCLP Pesticide : The MS {Q3368-06MS} with File ID: PD090945.D recoveries met the requirements for all compounds except for [Endrin(1)68% - Endrin(2)58%], [Heptachlor epoxide(1)72% - Heptachlor epoxide(2)66%] and [Methoxychlor(2)52%] due matrix interference.

TCLP Herbicide : The MS {Q3368-06MS} with File ID: PS032272.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)51%] and [2,4-D(1)48% - 2,4-D(2)58%] due to matrix interference.

TCLP Mercury,TCLPMetals Group2 : The Matrix Spike (TP-6MS) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

Wetchem : The Matrix Spike (OUTSIDE-DUMPSTERMS) analysis met criteria for all compounds except for Oil and Grease due to sample matrix interference.

The MSD recoveries met the requirements for all compounds except following

TCLP Pesticide : The MSD {Q3368-06MSD} with File ID: PD090946.D recoveries met the requirements for all compounds except for Endrin(1)72% - Endrin(2)62%], [Heptachlor epoxide(1)76% - Heptachlor epoxide(2)70%] and [Methoxychlor(2)58%] due to matrix interference.

TCLP Herbicide : The MSD {Q3368-06MSD} with File ID: PS032273.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)51%] and [2,4-D(1)48% - 2,4-D(2)58%]due to matrix interference.



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TCLP Mercury, TCLP Metals Group 2 : The Matrix Spike Duplicate (TP-6MSD) analysis met criteria for all compounds except for Barium due to Chemical Interference during Digestion Process.

Wetchem : The Matrix Spike Duplicate (OUTSIDE-DUMPSTER MSD) analysis met criteria for all compounds except for Oil and Grease due to sample matrix interference.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except following

TCLP BNA Group 1 : The Continuous Calibration File ID BP026001.D met the requirements except for Terphenyl-d14. Which is not our target compound, therefore no corrective action taken.

TCLP Pesticide : The Continuous Calibration File ID PD090949.D met the requirements except for Heptachlor is failing in 1st column, failing high but associated samples have no positive hit for this compound therefore no corrective action was taken. AND Decachlorobiphenyl is failing in 2nd column, failing marginally therefore no corrective action was taken.

The Continuous Calibration File ID PD090957.D met the requirements except for Heptachlor is failing in 1st column, failing high but associated samples have no positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID PD090961.D met the requirements except for Heptachlor is failing in 1st column, failing high but associated samples have no positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID PD090969.D met the requirements except for Heptachlor is failing in 1st column, failing high but associated samples have no positive hit for this compound therefore no corrective action was taken.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met the acceptable requirements.

TCLP VOA: Samples PRESS-SLUDGE was diluted due to sample has difficult matrix and did not purge well, lab has analyzed sample at 50x straight dilution.



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E. Additional Comments:

The soil samples results are based on a dry weight basis.

ASTM Ammonia,ASTM COD,ASTM Oil and Grease,ASTM TS,Corrosivity,Ignitability,Oil and Grease,Paint Filter,pH,Reactive Cyanide,Reactive Sulfide,TS,TVS : Sample Q3368-13 and Q3368-14 were analyzed straight dilution for ASTM COD because the original samples were reading over range, only 5X has been reported.

PCB: As per special requirement for this project form-1 and Hit Summary are reported in mg/kg.

TCLP VOA : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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.

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
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.
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 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 aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3368

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)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

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

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/11/2025