



February 01, 2022

Mike Baker
Timberline Construction Group, LLC
87 Pardue Rd
Pelham, AL 35124
TEL: (304) 694-4396
FAX
RE: Frederick, CO

Order No.: 2201270

Dear Mike Baker:

DHL Analytical, Inc. received 2 sample(s) on 1/29/2022 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAP except where noted in the Case Narrative. All non-NELAP methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in red ink, appearing to read 'John DuPont'.

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-21-27



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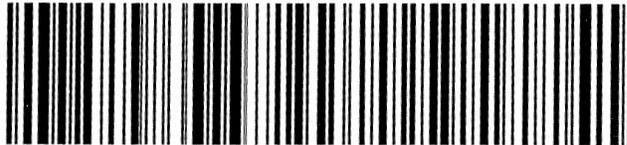
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Sample Receipt Checklist

Client Name Timberline Construction Group, LLC

Date Received: 1/29/2022

Work Order Number 2201270

Received by: RA

Checklist completed by:  1/31/2022
Signature Date

Reviewed by:  1/31/2022
Initials Date

Carrier name: Hand Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No 16.0 °C
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH<2 acceptable upon receipt? Yes No NA LOT #
Adjusted? _____ Checked by _____
- Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt? Yes No NA LOT #
Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Samples received out of hold time & temp for BTEX & TPH analysis.

Corrective Action: Per client, proceed and flag data.

Laboratory Name: DHL Analytical, Inc.							
Laboratory Review Checklist: Reportable Data							
Project Name: Frederick, CO				LRC Date: 2/1/2022			
Reviewer Name: Angie O'Donnell				Laboratory Work Order: 2201270			
Prep Batch Number(s): See Prep Dates Report				Run Batch: See Analytical Dates Report			
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
		Chain-of-Custody (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	Sample and Quality Control (QC) Identification					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test Reports					
		1) Were all samples prepared and analyzed within holding times?		X			R3-01
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample detection limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Were % moisture (or solids) reported for all soil and sediment samples?	X				
		8) Were bulk soils/solids samples for volatile analysis extracted with methanol per EPA Method 5035?		X			R3-08
		9) If required for the project, TICs reported?			X		
R4	O	Surrogate Recovery Data					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			R4-02
R5	OI	Test Reports/Summary Forms for Blank Samples					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MDL?	X				
		5) For analyte(s) detected in a blank sample, was the concentration, unadjusted for sample specific factors, in all associated field samples, greater than 10 times the concentration in the blank sample?			X		
R6	OI	Laboratory Control Samples (LCS):					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		6) Was the LCSD RPD within QC limits (if applicable)?	X				
R7	OI	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical Duplicate Data					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method Quantitation Limits (MQLs):					
		1) Are the MQLs for each method analyte included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other Problems/Anomalies					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Name: DHL Analytical, Inc.							
Laboratory Review Checklist (continued): Supporting Data							
Project Name: Frederick, CO			LRC Date: 2/1/2022				
Reviewer Name: Angie O'Donnell			Laboratory Work Order: 2201270				
Prep Batch Number(s): See Prep Dates Report			Run Batch: See Analytical Dates Report				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial Calibration (ICAL)					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB):					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass Spectral Tuning:					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal Standards (IS):					
		1) Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw Data (NELAC Section 5.5.10)					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual Column Confirmation					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively Identified Compounds (TICs):					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) Results:					
		1) Were percent recoveries within method QC limits?			X		
S9	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method Detection Limit (MDL) Studies					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency Test Reports:					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards Documentation					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/Analyte Identification Procedures					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of Analyst Competency (DOC)					
		1) Was DOC conducted consistent with NELAC Chapter 5 – Appendix C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/Validation Documentation for Methods (NELAC Chapter 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory Standard Operating Procedures (SOPs):					
		1) Are laboratory SOPs current and on file for each method performed?	X				

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
- 3 NA = Not applicable.
- 4 NR = Not Reviewed.
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page – RG-366/TRRP-13

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) The amount of analyte measured in the duplicate,
 - b) The calculated RPD, and
 - c) The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory is not accredited under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information or data affecting the quality of the data has been knowingly withheld.

This laboratory was last inspected by TCEQ on February 23-26, 2021. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name: John DuPont
Official Title: General Manager


Signature

02/01/22
Date

Name: Dr. Derhsing Luu
Official Title: Technical Director

CLIENT: Timberline Construction Group, LLC
Project: Frederick, CO
Lab Order: 2201270

CASE NARRATIVE

The samples were analyzed using the methods outlined in the following references:

- Method SW8260D - Volatiles Analysis
- Method TX1005 Total Petroleum Hydrocarbons Analysis
- Method D2216 - Percent Moisture Analysis

Exception Report R1-01

The samples were received and log-in performed on 1/29/2022. A total of 2 samples were received and analyzed. The samples were received outside of the method specified temperature and holdtime for Volatiles and TX1005 Analysis. These are detailed in the Sample Receipt Checklist.

Exception Report R3-01

For Volatiles Analysis, the samples were received outside of the method specified holdtime. The client was notified and the laboratory proceeded with the requested analysis. These results are "C" flagged in the Analytical Data Report. No further corrective action was taken.

For TX1005 Analysis, the samples were received outside of the method specified holdtime. The client was notified and the laboratory proceeded with the requested analysis. These results are "C" flagged in the Analytical Data Report. No further corrective action was taken.

Exception Report R3-08

As per the TCEQ-NELAP accreditation requirement the following must be noted: As of January 1, 2016, the TCEQ remediation division guidance on the collection of soil for VOC analysis requires the use of Method 5035 and will reject VOC data reported for soil samples collected and prepared using another method; this applies to remediation testing only. For analyses reported to TCEQ for waste characterization, TCLP testing or matrices other than soil, bulk sampling is allowed. For analyses reported to the Texas Railroad Commission, bulk sampling is allowed. NELAP requires a note that if 5035 sampling method for VOCs is not utilized, the results of samples collected in bulk containers for low level volatile components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

As per the TCEQ-NELAP accreditation requirement the following must be noted: For TX1005 analyses of soils, the samples were collected in bulk containers. This is allowed in Method TX1005 and by regulatory agencies for specific situations. For analyses reported to the Texas Railroad Commission, bulk sampling is allowed. For analyses reported for the TCEQ PST program, for waste classification, or for remediation project where process knowledge can document that C6-C12 hydrocarbons are not

CLIENT: Timberline Construction Group, LLC
Project: Frederick, CO
Lab Order: 2201270

CASE NARRATIVE

present, then Method 1005 allows for bulk sampling. NELAP requires a note that if 5035 sampling method for TX1005 is not utilized and none of the exceptions are applicable, the results of samples collected in bulk containers for C6-C12 hydrocarbon components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

Exception Report R4-02

For Volatiles Analysis, the recovery of surrogate 4-Bromofluorobenzene for both samples, the Matrix Spike and Matrix Spike Duplicate (2201270-01 MS/MSD) was above the method control limits. These are flagged accordingly in the Analytical Data Report and the QC Summary Report. The remaining surrogates for these samples were within method control limits. No further corrective action was taken.

For TX1005 Analysis, the recovery of surrogate Octacosane for both samples was above the method control limits. These are flagged accordingly in the Analytical Data Report. The remaining surrogate for these samples was within method control limits. No further corrective action was taken.

Exception Report R7-03

For Volatiles Analysis, the recoveries of two compounds for the Matrix Spike and Matrix Spike Duplicate (2201270-01 MS/MSD) were below the method control limits. These are flagged accordingly in the QC Summary Report. These compounds were within method control limits in the associated LCS. No further corrective action was taken.

CLIENT: Timberline Construction Group, LLC
Project: Frederick, CO
Lab Order: 2201270

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2201270-01	1		01/05/22 10:00 AM	1/29/2022
2201270-02	2		01/05/22 01:00 PM	1/29/2022

Lab Order: 2201270
Client: Timberline Construction Group, LLC
Project: Frederick, CO

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2201270-01A	1	01/05/22 10:00 AM	Soil	D2216	Moisture Preparation	01/31/22 05:28 PM	103767
	1	01/05/22 10:00 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	01/31/22 12:21 PM	103758
	1	01/05/22 10:00 AM	Soil	TX1005	TX1005 Soil Prep	01/31/22 11:53 AM	103756
2201270-02A	2	01/05/22 01:00 PM	Soil	D2216	Moisture Preparation	01/31/22 05:28 PM	103767
	2	01/05/22 01:00 PM	Soil	SW5030C	Purge and Trap Soils GC/MS	01/31/22 12:21 PM	103758
	2	01/05/22 01:00 PM	Soil	TX1005	TX1005 Soil Prep	01/31/22 11:53 AM	103756
	2	01/05/22 01:00 PM	Soil	TX1005	TX1005 Soil Prep	01/31/22 11:53 AM	103756

Lab Order: 2201270
Client: Timberline Construction Group, LLC
Project: Frederick, CO

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2201270-01A	1	Soil	SW8260D	8260 Volatiles by GC/MS	103758	1	01/31/22 01:32 PM	GCMS1_220131A
	1	Soil	D2216	Percent Moisture	103767	1	02/01/22 09:19 AM	PMOIST_220131A
	1	Soil	TX1005	Tx1005 TPH Soil	103756	1	01/31/22 01:55 PM	GC15_220131A
2201270-02A	2	Soil	SW8260D	8260 Volatiles by GC/MS	103758	1	01/31/22 02:01 PM	GCMS1_220131A
	2	Soil	D2216	Percent Moisture	103767	1	02/01/22 09:19 AM	PMOIST_220131A
	2	Soil	TX1005	Tx1005 TPH Soil	103756	5	01/31/22 03:21 PM	GC15_220131A
	2	Soil	TX1005	Tx1005 TPH Soil	103756	1	01/31/22 02:04 PM	GC15_220131A

DHL Analytical, Inc.

Date: 01-Feb-22

CLIENT: Timberline Construction Group, LLC
Project: Frederick, CO
Project No:
Lab Order: 2201270

Client Sample ID: 1
Lab ID: 2201270-01
Collection Date: 01/05/22 10:00 AM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL		TX1005		Analyst: BTJ			
T/R Hydrocarbons: C6-C12	351	8.05	23.0	C	mg/Kg-dry	1	01/31/22 01:55 PM
T/R Hydrocarbons: >C12-C28	1240	8.05	23.0	C	mg/Kg-dry	1	01/31/22 01:55 PM
T/R Hydrocarbons: >C28-C35	162	8.05	23.0	C	mg/Kg-dry	1	01/31/22 01:55 PM
T/R Hydrocarbons: C6-C35	1750	8.05	23.0	C	mg/Kg-dry	1	01/31/22 01:55 PM
Surr: Isopropylbenzene	87.7	0	70-130		%REC	1	01/31/22 01:55 PM
Surr: Octacosane	192	0	70-130	S	%REC	1	01/31/22 01:55 PM
8260 VOLATILES BY GC/MS		SW8260D		Analyst: JVR			
Benzene	<0.00115	0.00115	0.00576	C	mg/Kg-dry	1	01/31/22 01:32 PM
Ethylbenzene	<0.00115	0.00115	0.00576	C	mg/Kg-dry	1	01/31/22 01:32 PM
Toluene	<0.00115	0.00115	0.00576	C	mg/Kg-dry	1	01/31/22 01:32 PM
Total Xylenes	<0.00115	0.00115	0.00576	C	mg/Kg-dry	1	01/31/22 01:32 PM
Surr: 1,2-Dichloroethane-d4	111	0	52-149		%REC	1	01/31/22 01:32 PM
Surr: 4-Bromofluorobenzene	224	0	84-118	S	%REC	1	01/31/22 01:32 PM
Surr: Dibromofluoromethane	108	0	65-135		%REC	1	01/31/22 01:32 PM
Surr: Toluene-d8	100	0	84-116		%REC	1	01/31/22 01:32 PM
PERCENT MOISTURE		D2216		Analyst: MTK			
Percent Moisture	14.6	0	0		WT%	1	02/01/22 09:19 AM

Qualifiers: ND - Not Detected at the SDL
 J - Analyte detected between SDL and RL
 B - Analyte detected in the associated Method Blank
 DF- Dilution Factor
 N - Parameter not NELAP certified
 See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
 C - Sample Result or QC discussed in Case Narrative
 RL - Reporting Limit (MQL adjusted for moisture and sample size)
 SDL - Sample Detection Limit
 E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 01-Feb-22

CLIENT: Timberline Construction Group, LLC
Project: Frederick, CO
Project No:
Lab Order: 2201270

Client Sample ID: 2
Lab ID: 2201270-02
Collection Date: 01/05/22 01:00 PM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL		TX1005		Analyst: BTJ			
T/R Hydrocarbons: C6-C12	573	39.1	112	C	mg/Kg-dry	5	01/31/22 03:21 PM
T/R Hydrocarbons: >C12-C28	2300	39.1	112	C	mg/Kg-dry	5	01/31/22 03:21 PM
T/R Hydrocarbons: >C28-C35	285	39.1	112	C	mg/Kg-dry	5	01/31/22 03:21 PM
T/R Hydrocarbons: C6-C35	3160	39.1	112	C	mg/Kg-dry	5	01/31/22 03:21 PM
Surr: Isopropylbenzene	104	0	70-130		%REC	5	01/31/22 03:21 PM
Surr: Octacosane	232	0	70-130	S	%REC	5	01/31/22 03:21 PM
8260 VOLATILES BY GC/MS		SW8260D		Analyst: JVR			
Benzene	<0.00117	0.00117	0.00587	C	mg/Kg-dry	1	01/31/22 02:01 PM
Ethylbenzene	<0.00117	0.00117	0.00587	C	mg/Kg-dry	1	01/31/22 02:01 PM
Toluene	<0.00117	0.00117	0.00587	C	mg/Kg-dry	1	01/31/22 02:01 PM
Total Xylenes	<0.00117	0.00117	0.00587	C	mg/Kg-dry	1	01/31/22 02:01 PM
Surr: 1,2-Dichloroethane-d4	105	0	52-149		%REC	1	01/31/22 02:01 PM
Surr: 4-Bromofluorobenzene	240	0	84-118	S	%REC	1	01/31/22 02:01 PM
Surr: Dibromofluoromethane	106	0	65-135		%REC	1	01/31/22 02:01 PM
Surr: Toluene-d8	109	0	84-116		%REC	1	01/31/22 02:01 PM
PERCENT MOISTURE		D2216		Analyst: MTK			
Percent Moisture	15.7	0	0		WT%	1	02/01/22 09:19 AM

Qualifiers: ND - Not Detected at the SDL
 J - Analyte detected between SDL and RL
 B - Analyte detected in the associated Method Blank
 DF- Dilution Factor
 N - Parameter not NELAP certified
 See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
 C - Sample Result or QC discussed in Case Narrative
 RL - Reporting Limit (MQL adjusted for moisture and sample size)
 SDL - Sample Detection Limit
 E - TPH pattern not Gas or Diesel Range Pattern

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_211119A

Sample ID: DCS-102910	Batch ID: 102910	TestNo: TX1005	Units: mg/Kg							
SampType: DCS	Run ID: GC15_211119A	Analysis Date: 11/19/2021 1:57:39 PM	Prep Date: 11/19/2021							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	9.26	20.0	10.00	0	92.6	50	200	0	0	

Qualifiers:
 B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAP certified

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_220131A

The QC data in batch 103756 applies to the following samples: 2201270-01A, 2201270-02A

Sample ID: MB-103756	Batch ID: 103756	TestNo: TX1005	Units: mg/Kg							
SampType: MBLK	Run ID: GC15_220131A	Analysis Date: 1/31/2022 12:42:52 PM	Prep Date: 1/31/2022							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C12	<7.00	20.0								
T/R Hydrocarbons: >C12-C28	<7.00	20.0								
T/R Hydrocarbons: >C28-C35	<7.00	20.0								
T/R Hydrocarbons: C6-C35	<7.00	20.0								
Surr: Isopropylbenzene	19.5		25.00		78.2	70	130			
Surr: Octacosane	21.9		25.00		87.8	70	130			

Sample ID: LCS-103756	Batch ID: 103756	TestNo: TX1005	Units: mg/Kg							
SampType: LCS	Run ID: GC15_220131A	Analysis Date: 1/31/2022 12:51:54 PM	Prep Date: 1/31/2022							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	230	20.0	250.0	0	91.8	75	125			
Surr: Isopropylbenzene	21.6		25.00		86.2	70	130			
Surr: Octacosane	22.7		25.00		90.9	70	130			

Sample ID: LCSD-103756	Batch ID: 103756	TestNo: TX1005	Units: mg/Kg							
SampType: LCSD	Run ID: GC15_220131A	Analysis Date: 1/31/2022 1:00:56 PM	Prep Date: 1/31/2022							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	226	20.0	250.0	0	90.5	75	125	1.40	20	
Surr: Isopropylbenzene	21.2		25.00		84.6	70	130	0	0	
Surr: Octacosane	22.0		25.00		88.2	70	130	0	0	

Sample ID: 2201237-01BMS	Batch ID: 103756	TestNo: TX1005	Units: mg/Kg-dry							
SampType: MS	Run ID: GC15_220131A	Analysis Date: 1/31/2022 3:00:54 PM	Prep Date: 1/31/2022							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	231	21.0	262.8	0	87.8	75	125			
Surr: Isopropylbenzene	24.4		26.28		93.0	70	130			
Surr: Octacosane	25.6		26.28		97.5	70	130			

Sample ID: 2201237-01BMSD	Batch ID: 103756	TestNo: TX1005	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC15_220131A	Analysis Date: 1/31/2022 3:09:56 PM	Prep Date: 1/31/2022							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	234	21.6	269.5	0	86.7	75	125	1.25	20	
Surr: Isopropylbenzene	24.9		26.95		92.4	70	130	0	0	
Surr: Octacosane	26.1		26.95		96.7	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_220131A

Sample ID: ICV-220131	Batch ID: R119106	TestNo: TX1005	Units: mg/Kg
SampType: ICV	Run ID: GC15_220131A	Analysis Date: 1/31/2022 12:33:50 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	977	20.0	1000	0	97.7	75	125			
Surr: Isopropylbenzene	46.7		50.00		93.4	70	130			
Surr: Octacosane	45.5		50.00		91.0	70	130			

Sample ID: CCV1-220131	Batch ID: R119106	TestNo: TX1005	Units: mg/Kg
SampType: CCV	Run ID: GC15_220131A	Analysis Date: 1/31/2022 3:57:23 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	486	20.0	500.0	0	97.1	75	125			
Surr: Isopropylbenzene	24.2		25.00		96.9	70	130			
Surr: Octacosane	24.0		25.00		95.9	70	130			

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor	
	J Analyte detected between MDL and RL	MDL Method Detection Limit	
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits	
	RL Reporting Limit	S Spike Recovery outside control limits	
	J Analyte detected between SDL and RL	N Parameter not NELAP certified	

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_220113A

Sample ID: DCS-103553	Batch ID: 103553	TestNo: SW8260D	Units: mg/Kg
SampType: DCS	Run ID: GCMS1_220113A	Analysis Date: 1/13/2022 11:44:00 AM	Prep Date: 1/13/2022

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.00220	0.00500	0.00232	0	94.7	10	400	0	0	
Ethylbenzene	0.00216	0.00500	0.00232	0	92.9	10	400	0	0	
Toluene	0.00222	0.00500	0.00232	0	95.7	10	400	0	0	
Total Xylenes	0.00617	0.00500	0.00696	0	88.7	10	400	0	0	

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor	
	J Analyte detected between MDL and RL	MDL Method Detection Limit	
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits	
	RL Reporting Limit	S Spike Recovery outside control limits	
	J Analyte detected between SDL and RL	N Parameter not NELAP certified	

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_220131A

The QC data in batch 103758 applies to the following samples: 2201270-01A, 2201270-02A

Sample ID: LCS-103758	Batch ID: 103758	TestNo: SW8260D	Units: mg/Kg
SampType: LCS	Run ID: GCMS1_220131A	Analysis Date: 1/31/2022 12:27:00 PM	Prep Date: 1/31/2022

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0251	0.00500	0.0232	0	108	75	125			
Ethylbenzene	0.0242	0.00500	0.0232	0	104	75	125			
Toluene	0.0253	0.00500	0.0232	0	109	75	125			
Total Xylenes	0.0731	0.00500	0.0696	0	105	75	125			
Surr: 1,2-Dichloroethane-d4	55.5		50.00		111	52	149			
Surr: 4-Bromofluorobenzene	50.0		50.00		100	84	118			
Surr: Dibromofluoromethane	54.2		50.00		108	65	135			
Surr: Toluene-d8	48.7		50.00		97.4	84	116			

Sample ID: MB-103758	Batch ID: 103758	TestNo: SW8260D	Units: mg/Kg
SampType: MBLK	Run ID: GCMS1_220131A	Analysis Date: 1/31/2022 1:03:00 PM	Prep Date: 1/31/2022

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.00100	0.00500								
Ethylbenzene	<0.00100	0.00500								
Toluene	<0.00100	0.00500								
Total Xylenes	<0.00100	0.00500								
Surr: 1,2-Dichloroethane-d4	57.0		50.00		114	52	149			
Surr: 4-Bromofluorobenzene	51.4		50.00		103	84	118			
Surr: Dibromofluoromethane	54.4		50.00		109	65	135			
Surr: Toluene-d8	50.7		50.00		101	84	116			

Sample ID: 2201270-01AMS	Batch ID: 103758	TestNo: SW8260D	Units: mg/Kg-dry
SampType: MS	Run ID: GCMS1_220131A	Analysis Date: 1/31/2022 8:14:00 PM	Prep Date: 1/31/2022

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0212	0.00543	0.0252	0	84.0	73	126			
Ethylbenzene	0.0150	0.00543	0.0252	0	59.5	74	127			S
Toluene	0.0236	0.00543	0.0252	0	93.6	71	127			
Total Xylenes	0.0402	0.00543	0.0756	0	53.1	75	125			S
Surr: 1,2-Dichloroethane-d4	62.3		54.29		115	52	149			
Surr: 4-Bromofluorobenzene	146		54.29		270	84	118			S
Surr: Dibromofluoromethane	59.2		54.29		109	65	135			
Surr: Toluene-d8	57.4		54.29		106	84	116			

Sample ID: 2201270-01AMSD	Batch ID: 103758	TestNo: SW8260D	Units: mg/Kg-dry
SampType: MSD	Run ID: GCMS1_220131A	Analysis Date: 2/1/2022 9:50:00 AM	Prep Date: 1/31/2022

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0203	0.00556	0.0258	0	78.7	73	126	4.06	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_220131A

Sample ID: 2201270-01AMSD	Batch ID: 103758	TestNo: SW8260D	Units: mg/Kg-dry
SampType: MSD	Run ID: GCMS1_220131A	Analysis Date: 2/1/2022 9:50:00 AM	Prep Date: 1/31/2022

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	0.0134	0.00556	0.0258	0	52.0	74	127	11.0	30	S
Toluene	0.0188	0.00556	0.0258	0	73.0	71	127	22.3	30	
Total Xylenes	0.0345	0.00556	0.0774	0	44.5	75	125	15.2	30	S
Surr: 1,2-Dichloroethane-d4	56.8		55.63		102	52	149	0	0	
Surr: 4-Bromofluorobenzene	178		55.63		319	84	118	0	0	S
Surr: Dibromofluoromethane	59.3		55.63		106	65	135	0	0	
Surr: Toluene-d8	55.5		55.63		99.8	84	116	0	0	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAP certified
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CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS1_220131A

Sample ID: ICV-220131	Batch ID: R119113	TestNo: SW8260D	Units: mg/Kg
SampType: ICV	Run ID: GCMS1_220131A	Analysis Date: 1/31/2022 11:56:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0531	0.00500	0.0464	0	114	70	130			
Ethylbenzene	0.0509	0.00500	0.0464	0	110	70	130			
Toluene	0.0541	0.00500	0.0464	0	117	70	130			
Total Xylenes	0.156	0.00500	0.139	0	112	70	130			
Surr: 1,2-Dichloroethane-d4	55.4		50.00		111	52	149			
Surr: 4-Bromofluorobenzene	48.5		50.00		96.9	84	118			
Surr: Dibromofluoromethane	54.1		50.00		108	65	135			
Surr: Toluene-d8	47.6		50.00		95.3	84	116			

Qualifiers:

B Analyte detected in the associated Method Blank	DF Dilution Factor
J Analyte detected between MDL and RL	MDL Method Detection Limit
ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
RL Reporting Limit	S Spike Recovery outside control limits
J Analyte detected between SDL and RL	N Parameter not NELAP certified

CLIENT: Timberline Construction Group, LLC
Work Order: 2201270
Project: Frederick, CO

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_220131A

The QC data in batch 103767 applies to the following samples: 2201270-01A, 2201270-02A

Sample ID: 2201270-02A-DUP	Batch ID: 103767	TestNo: D2216	Units: WT%							
SampType: DUP	Run ID: PMOIST_220131A	Analysis Date: 2/1/2022 9:19:00 AM	Prep Date: 1/31/2022							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	14.9	0	0	15.65				5.19	30	

Qualifiers:

B Analyte detected in the associated Method Blank	DF Dilution Factor
J Analyte detected between MDL and RL	MDL Method Detection Limit
ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
RL Reporting Limit	S Spike Recovery outside control limits
J Analyte detected between SDL and RL	N Parameter not NELAP certified