GFS GEOLOGICAL FIELD SERVICES, INC.

December 22, 2023

Ms. Kristine Trierweiler
Medfield Town Administrator
Town Hall
459 Main Street
Medfield MA, 02052

RE: 527 Main Street
Phase III & Temporary Solution Completion Statement
RTN 2-3015514

Dear Ms. Trierweiler;

The purpose of this letter is to notify your office, pursuant to the Massachusetts Contingency Plan (MCP) 40.1403, that Geological Field Services, Inc. has submitted a Phase III – Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives completion report and a Temporary Solution Statement, dated December 22, 2023, to the Massachusetts Department of Environmental Protection (MADEP) for the disposal site located at 527 Main Street in Medfield, Massachusetts. The conclusions of the Temporary Solution are that no Substantial Hazards exist at the site and the Temporary Solution performance criteria as defined in the Massachusetts Contingency Plan (MCP) have been achieved.

The Temporary Solution Statement documents and available information regarding the release of chlorinated solvents and PFAS to the soil and groundwater at 527 Main Street Medfield, Massachusetts. A copy of the Temporary Solution Statement is available at online at MADEP's website under RTN 2-3015514 and a copy has been provided to the Town of Medfield's Medfield Library for the Public Involvement Plan repository.

Should you have any questions please contact me.

Sincerely,
GEOLOGICAL FIELD SERVICES, INC.



Luke A. Fabbri
President, LSP #9988

cc: Town of Medfield Board of Health
Town of Medfield Public Library
MADEP

SOVEREIGN CONSULTING INC.

January 5, 2024

Ms. Kristine Trierwieler
Town Administrator
Medfield Town Hall
459 Main Street
Medfield, MA 02052

Re: **Groundwater Sampling Events: March, June, September, & December 2024**
In the Vicinity of:
Former Texaco-branded Service Station 100084
26 Spring Street
Medfield, MA 02052
RTN 2-3003830

Dear Ms. Trierwieler;

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Equilon), Sovereign Consulting Inc. (Sovereign) is submitting this notice of the planned upcoming environmental sampling activities on Town of Medfield property. During the months of March, June, September, and December 2024, Sovereign will be collecting groundwater samples from previously installed monitoring wells within the shoulder of Spring Street. This letter provides written notification of the planned activities as per 310 CMR 40.1403(10)(a)(2).

In accordance with 310 CMR 40.1403(10)(b)(1), the results of the sampling will be forwarded to you within 30 days of Sovereign's receipt and data validation of the laboratory analytical report.

As always, we thank you for your continued consideration and cooperation in our remediation efforts related to RTN 2-3003830. If you have any questions regarding this submittal, please feel free to contact the undersigned at 508-339-3200.

Sincerely,
SOVEREIGN CONSULTING INC.

Barbara K. Laughlin
Project Manager

cc: Edward Henke, Equilon
MassDOR-21J
Sovereign File - 2L883

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to Release Tracking Number

2 | 3003830

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 26 Spring Street

City/Town: Medfield Zip Code: 02052

B. This notice is being provided to the following party:

1. Name: Kristine Trierwieler, Town Administrator

2. Street Address: 459 Main Street

City/Town: Medfield Zip Code: 02052

C. This notice is being given to inform its recipient (the party listed in Section B):

☑ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: Bartlett Street, Spring Street & Pine Grove Road

City/Town: Medfield Zip Code: 02052

2. MCP phase of work during which the sampling will be/has been conducted:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☐ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☑ Phase V/Remedy Operation Status
☐ Post-Class C Operation, Maintenance and Monitoring
☐ Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☐ commerical ☐ industrial ☐ school/playground ☑ Other Municipal ROWs (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Groundwater from monitoring wells.

E. Contact information related to the party providing this notice:

Contact Name: Barbara Laughlin

Street Address: 9 Payson Road, Suite 150

City/Town: Foxborough Zip Code: 02035

Telephone: (508) 339-3200 Email: blaughlin@sovcon.com

NOTICE OF ENVIRONMENTAL SAMPLING
As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE
This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE
This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE
When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION
Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at http://www.mass.gov/dep/cleanup/oview.htm. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See http://mass.gov/dep/about/region/schedule.htm if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

SOVEREIGN CONSULTING INC.

January 6, 2024

Ms. Kristine Trierwieler
Town Administrator
Medfield Town Hall
459 Main Street
Medfield, MA 02052

Re: **Results of Groundwater Sampling Conducted December 4, 2023**
In the Vicinity of Former Texaco-Branded Service Station No. 100084
26 Spring Street, Medfield, Massachusetts
RTN 2-3003830

Dear Ms. Trierwieler:

Pursuant to your authorization, Sovereign Consulting Inc. (Sovereign) personnel collected a groundwater sample from a groundwater monitoring well located on the shoulder of Spring Street on December 4, 2023. This letter presents the analytical laboratory report summarizing the results of the sample collection and analyses consistent with 310 CMR 40.0017(3) of the Massachusetts Contingency Plan, as required by 310 CMR 40.1403(10)(b). Sovereign has conducted a data validation review of the laboratory results, and the laboratory report has been attached for your information, in addition to Massachusetts Department of Environmental Protection (MassDEP) Form BWSC-123.

Please contact the MassDEP or the undersigned if you have any questions or require additional information. Please note that public involvement opportunities are available to you pursuant to 310 CMR 40.1404 for Tier classified sites. Equilon Enterprises LLC dba Shell Oil Products US and Sovereign thank you for your cooperation in this matter.

Sincerely,
SOVEREIGN CONSULTING INC.

Barbara K. Laughlin
Project Manager

Attachments: MassDEP Form BWSC-123
Laboratory Data Report

cc: Edward Henke, Equilon Enterprises LLC dba Shell Oil Products US
Sovereign File - 2L883

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to Release Tracking Number

2 | 3003830

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 26 Spring Street

City/Town: Medfield Zip Code: 02052

B. This notice is being provided to the following party:

1. Name: Kristine Trierwieler, Town Administrator

2. Street Address: 459 Main Street

City/Town: Medfield Zip Code: 02052

C. This notice is being given to inform its recipient (the party listed in Section B):

☑ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☑ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☑ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: Shoulder of Spring Street

City/Town: Medfield Zip Code: 02052

2. MCP phase of work during which the sampling will be/has been conducted:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☐ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☑ Phase V/Remedy Operation Status
☐ Post-Class C Operation, Maintenance and Monitoring
☐ Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☐ commerical ☐ industrial ☐ school/playground ☑ Other Municipal ROW (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Groundwater from a monitoring well.

E. Contact information related to the party providing this notice:

Contact Name: Barbara Laughlin

Street Address: 9 Payson Road, Suite 150

City/Town: Foxborough Zip Code: 02035

Telephone: (508) 339-3200 Email: blaughlin@sovcon.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at http://www.mass.gov/dep/cleanup/oview.htm. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See http://mass.gov/dep/about/region/schedule.htm if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

SGS

Dayton, NJ

12/19/23

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil Products US

SCMAW:26 Spring Street, Medfield, MA

2L883; Task#2L883.10R

SGS Job Number: JD78133

Sampling Date: 12/04/23

Report to:

Sovereign Consulting, Inc.
9 Payson Road, Suite 150
Foxborough, MA 02035
blaughlin@sovcon.com

ATTN: Barbara Laughlin

Total number of pages in report: 19

NELAP ACCREDITED LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Angela Lattanzio 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

Shell Oil Products US

Job No: JD78133

SCMAW:26 Spring Street, Medfield, MA
Project No: 2L883; Task#2L883.10R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD78133-1	12/04/23	13:45		12/05/23	AQ	Ground Water	MW-105

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the RL

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client:	Shell Oil Products US	**Job No:**	JD78133
Site:	SCMAW:26 Spring Street, Medfield, MA	**Report Date**	12/19/2023 6:58:38 P

On 12/05/2023, 1 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD78133 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

GC Volatiles By Method MADEP VPH REV 2.1

Matrix: AQ **Batch ID:** GBH1582

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of Naphthalene are outside control limits.
- JD78133-1 for Naphthalene: Associated CCV outside of control limits high. This compound in blank spike is outside QC limits bias high.
- GBH1582-BS for Naphthalene: Outside the QC limits.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD78133
Account: Shell Oil Products US
Project: SCMAW:26 Spring Street, Medfield, MA
Collected: 12/04/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD78133-1	MW-105					
Naphthalene [a]		4.9	2.0		ug/l	MADEP VPH REV 2.1
C5- C8 Aliphatics (Unadj.)		179	100		ug/l	MADEP VPH REV 2.1
C9- C12 Aliphatics (Unadj.)		1040	100		ug/l	MADEP VPH REV 2.1
C5- C8 Aliphatics		179	100		ug/l	MADEP VPH REV 2.1
C9- C12 Aliphatics		308	100		ug/l	MADEP VPH REV 2.1
C9- C10 Aromatics		730	100		ug/l	MADEP VPH REV 2.1

(a) Associated CCV outside of control limits high. This compound in blank spike is outside QC limits bias high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-105		
Lab Sample ID:	JD78133-1	Date Sampled:	12/04/23
Matrix:	AQ - Ground Water	Date Received:	12/05/23
Method:	MADEP VPH REV 2.1	Percent Solids:	n/a
Project:	SCMAW:26 Spring Street, Medfield, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH43341.D	1	12/07/23 22:26	JN	n/a	n/a	GBH1582
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene [a]	4.9	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
	m,p-Xylene	ND	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	ug/l	
	C5- C8 Aliphatics (Unadj.)	179	100	ug/l	
	C9- C12 Aliphatics (Unadj.)	1040	100	ug/l	
	C5- C8 Aliphatics	179	100	ug/l	
	C9- C12 Aliphatics	308	100	ug/l	
	C9- C10 Aromatics	730	100	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	102%		70-130%
	2,3,4-Trifluorotoluene	96%		70-130%

(a) Associated CCV outside of control limits high. This compound in blank spike is outside QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- **Chain of Custody**
- **MCP Form**
- **VPH Form**
- **Sample Tracking Chronicle**
- **QC Evaluation: MA MCP Limits**

WG

TF-11623-21

SOVEREIGN CONSULTING INC
science. service. solutions.

Shell Oil Products Chain Of Custody Record

JD78133

PROJECT / CLIENT INFO				LABORATORY				OTHER INFO	
Facility Name	Shell - Medfield (26 Spring St)			Lab Name	SGS - Dayton NJ			Deliverables	EQUISSOVCONI, MA MCP CAM REPORT
Project Number	21.883			Lab Contact	Shalini Williams				
Task Number	21.883.10R			Email	Shalini.Williams@sgs.com			Turnaround Time	14 Days
Address	26 Spring St			Address	2235 US Highway 130			Temp on Receipt (C°)	
Client Facility ID	10066000								
City	Medfield	State	MA	City	Dayton	State	NJ	Custody Seal #'s	
Postal Code	2052	Country	USA	Postal Code	08810	Country	USA		
Phone Number	508-339-3200			Phone Number	732-329-0200			Sampler(s)	
Bill To / Project Manager	Barbara Laughlin			Quote Number					
Email	blaughlin@sovcon.com			PO Number					

| SAMPLE DETAILS | | | | | | | | | | | ANALYSIS REQUESTED | | | | | | | | | | |

SGS Sample Receipt Summary

Job Number: JD78133 **Client:** SOVEREIGN CONSULTING, INC. **Project:** SCMAW:26 SPRING STREET, MEDFIELD,

Date / Time Received: 12/5/2023 10:33:00 PM **Delivery Method:** SGS **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.7);

Cooler Temps (Corrected) °C: Cooler 1: (1.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name:	SGS North America Inc. - Dayton	Project #:	JD78133
Project Location:	SCMAW:26 Spring Street, Medfield, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
JD78133-1

Matrices: Groundwater/Surface Water (X) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below):

8260 VOC ( ) CAM IIA	7470/7471 Hg ( ) CAM III B	MassDEP VPH (X) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals ( ) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No	
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No	
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☑ Yes ☐ Yes	☐ No ☐ No	
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No	

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☑ Yes	☐ No [1]	
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.			
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☑ Yes	☐ No [1]	
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No [1]	

[1] ***All Negative responses must be addressed in an attached Environmental Laboratory case narrative.***

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** General Manager

Printed Name: David Chastain **Date:** 19-Dec-23

5 2 5

MADEP VPH FORM

Matrix	Aqueous ☑	Soil ☐	Sediment ☐	Other ☐			
Containers	Satisfactory ☑	Broken ☐	Leaking ☐				
Aqueous Preservatives	N/A ☐	pH <= 2 ☑	pH > 2 ☐				
Temperature	Received on Ice ☐	Received at 4 Deg. C ☐	Other ☑	Rec'd at 1.7 Deg. C			
Methanol	N/A						

Method for Ranges: MADEP VPH REV 2.1
Method for Target Analytes: MADEP VPH REV 2.1
VPH Surrogate Standards
PID:
FID:

Client ID: MW-105 **Lab ID:** JD78133-1
Date Collected: 12/4/2023 **Date Received:** 12/5/2023

Date Extracted:	First Date Run:	Last Date Run:
N/A	12/7/2023	N/A
% Solids:	**Low Dilution:**	**High Dilution:**
N/A	1	N/A

Unadjusted Ranges	CAS #	Elution Range	Units	Result		RDL	Q
C5- C8 Aliphatics (Unadj.)		N/A	ug/l	179	A	100	
C9- C12 Aliphatics (Unadj.)		N/A	ug/l	1040	A	100	
Target Analytes							
Benzene	71-43-2	C5-C8	ug/l	ND		1	
Naphthalene	91-20-3	N/A	ug/l	4.9	D	2	
Ethylbenzene	100-41-4	C9-C12	ug/l	ND		2	
Methyl Tert Butyl Ether	1634-04-4	C5-C8	ug/l	ND		1	
Toluene	108-88-3	C5-C8	ug/l	ND		2	
m,p-Xylene		C9-C12	ug/l	ND		2	
o-Xylene	95-47-6	C9-C12	ug/l	ND		2	
Adjusted Ranges							
C5- C8 Aliphatics		N/A	ug/l	179	B	100	
C9- C12 Aliphatics		N/A	ug/l	308	C	100	
C9- C10 Aromatics			ug/l	730		100	

Surrogate Recoveries		Acceptance Range
FID:2,3,4-Trifluorotoluene	96 %	70-130 %
PID:2,3,4-Trifluorotoluene	102 %	70-130 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.

C Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C9-C12 aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.

D Associated CCV outside of control limits high. This compound in blank spike is outside QC limits bias high.

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☑Yes ☐ No- Details Attatched
Were all performance/acceptance standards for required QA/QC procedures achieved? ☑Yes ☐ No- Details Attatched
Were any significant modifications made to the VPH method, as specified in Sect. 11.3? ☑No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature _____ **Postition** General Managerr

Printed Name David Chastain **Date** 12/19/2023

MADEP VPH FORM

Matrix	Aqueous ☑	Soil ☐	Sediment ☐	Other ☐			
Containers	Satisfactory ☑	Broken ☐	Leaking ☐				
Aqueous Preservatives	N/A ☐	pH <= 2 ☑	pH > 2 ☐				
Temperature	Received on Ice ☐	Received at 4 Deg. C ☐	Other ☑	Rec'd at 1.7 Deg. C			
Methanol	N/A						

Method for Ranges:	MADEP VPH REV 2.1	Client ID: MW-105		Lab ID: JD78133-1	
Method for Target Analytes:	MADEP VPH REV 2.1	Date Collected: 12/4/2023		Date Received: 12/5/2023	
VPH Surrogate Standards		Date Extracted:	First Date Run:	Last Date Run:	
PID:		N/A	12/7/2023	N/A	
FID:		% Solids:	Low Dilution:	High Dilution:	
		N/A	1	N/A	

Z A 'J' qualifier indicates an estimated value

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Were all QA/QC procedures REQUIRED by the VPH Method followed? ☑Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑Yes ☐ No- Details Attatched

Were any significant modifications made to the VPH method, as specified in Sect. 11.3? ☑No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature _____ Postition General Managerr

Printed Name David Chastain Date 12/19/2023

Internal Sample Tracking Chronicle

Shell Oil Products US

Job No: JD78133

SCMAW:26 Spring Street, Medfield, MA
Project No: 2L883; Task#2L883.10R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD78133-1	Collected: 04-DEC-23 13:45 By:		Received: 05-DEC-23		By: KG	
MW-105						
JD78133-1	MADEP VPH REV 2.1	07-DEC-23 22:26	JN			VMAVPH

QC Evaluation: MA MCP Limits

Job Number: JD78133
Account: Shell Oil Products US
Project: SCMAW:26 Spring Street, Medfield, MA
Collected: 12/04/23

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No MA MCP Limits found for methods in this job.

* Sample used for QC is not from job JD78133

GC Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JD78133
Account: SHELLWIC Shell Oil Products US
Project: SCMAW:26 Spring Street, Medfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH1582-MB	BH43330.D	1	12/07/23	JN	n/a	n/a	GBH1582

The QC reported here applies to the following samples: Method: MADEP VPH REV 2.1

JD78133-1

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
	m,p-Xylene	ND	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	ug/l	
	C5- C8 Aliphatics (Unadj.)	ND	100	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	100	ug/l	
	C5- C8 Aliphatics	ND	100	ug/l	
	C9- C12 Aliphatics	ND	100	ug/l	
	C9- C10 Aromatics	ND	100	ug/l	

CAS No.	Surrogate Recoveries		Limits
	2,3,4-Trifluorotoluene	107%	70-130%
	2,3,4-Trifluorotoluene	101%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD78133
Account: SHELLWIC Shell Oil Products US
Project: SCMAW:26 Spring Street, Medfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH1582-BS	BH43331.D	1	12/07/23	JN	n/a	n/a	GBH1582
GBH1582-BSD	BH43332.D	1	12/07/23	JN	n/a	n/a	GBH1582

6.2.1

The QC reported here applies to the following samples: Method: MADEP VPH REV 2.1

JD78133-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	55.3	111	52.2	104	6	70-130/25
100-41-4	Ethylbenzene	50	52.9	106	50.0	100	6	70-130/25
1634-04-4	Methyl Tert Butyl Ether	50	58.7	117	57.7	115	2	70-130/25
91-20-3	Naphthalene	50	82.6	165* [a]	81.1	162* [a]	2	70-130/25
108-88-3	Toluene	50	52.0	104	49.8	100	4	70-130/25
	m,p-Xylene	100	108	108	101	101	7	70-130/25
95-47-6	o-Xylene	50	51.3	103	48.5	97	6	70-130/25
	C5- C8 Aliphatics (Unadj.)	150	159	106	149	99	6	70-130/25
	C9- C12 Aliphatics (Unadj.)	100	110	110	104	104	6	70-130/25
	C9- C10 Aromatics	50	51.7	103	49.3	99	5	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4-Trifluorotoluene	110%	104%	70-130%
	2,3,4-Trifluorotoluene	102%	98%	70-130%

(a) Outside the QC limits.

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JD78133
Account: SHELLWIC Shell Oil Products US
Project: SCMAW:26 Spring Street, Medfield, MA

Method: MADEP VPH REV 2.1 Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
JD78133-1	BH43341.D	102	96
GBH1582-BS	BH43331.D	110	102
GBH1582-BSD	BH43332.D	104	98
GBH1582-MB	BH43330.D	107	101

Surrogate Compounds	Recovery Limits
S1 = 2,3,4-Trifluorotoluene	70-130%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1