



CITY OF NEW BEDFORD

CITY COUNCIL

August 17, 2017

ORDER

ORDERED, that the following petroleum license hereby be REVOKED: 987 PLEASANT STREET, originally granted on July 19, 1979 for one (1) underground 3,000 gallon gasoline tank, two (2) underground 2,000 gallon gasoline tanks and one (1) underground 5,000 gallon gasoline tank, two tanks holding a total of 6,000 gallons of gasoline were removed on September 21, 2016.



Massachusetts Department of Environmental Protection
Underground Storage Tank Program

Form UST FP-290R

Notification for Removal or Closure of In Place Underground Storage Tanks Regulated Under 527 CMR 9.00

Forward completed form to:
MassDEP
Bureau of Waste Prevention UST Program
P.O. Box 120-0165
Boston, MA 02112-0165

Contact:
MassDEP Bureau of Waste
Prevention UST Program
617-556-1035 ext. 2

State Use Only

A. Facility Number _____
B. Date Entered _____
C. Clerks Initials _____
D. Comments _____

Forward one Copy of FP-290R to local fire department.

If a storage facility has UST's which are to remain in use, an entire amended FP-290 (long form) must be filed.

Note: "Facility street address" must include both a street number and a street name. Post office box numbers are not acceptable and will cause a registration to be returned. If geographic location of facility is not provided, please indicate distance and direction from closest intersection e.g., (facility at 199 North Street is located) **400 yards southeast of Commons Road** (intersection).

I. Ownership of Tank(s)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

TRANSIT SERVICES INC.

Street Address

987 Pleasant St

Mailing Address (if different from street address)

New Bedford

MA

02740

City

Boston

State

Zip Code

County

508-999-5213

Phone Number (Include Area Code)

Owner's Employer Federal ID#

II. Location of Tank(s)

Give the geographic location of tanks by degree, minutes, and seconds.
Example: Lat. 42, 36, 12 N Long. 85 24, 17 W

Latitude

Longitude

Distance and direction from closest intersection (see note above)

TRANSIT SERVICES INC.

Facility Name or Company Site Identifier, as applicable

987 Pleasant St

Street Address (P.O. Box not acceptable - see note above)

New Bedford

MA

02740

City

Boston

State

Zip Code

County

III. Tanks/Piping Removed or Filled in Place

Tank Number	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.
1. Tank/Piping Removed or filled in place (mark all that apply)					
A. Substance last stored	<u>GAS</u>	<u>GAS</u>	_____	_____	_____
B. Tank capacity gallons	<u>4000</u>	<u>2000</u>	_____	_____	_____
C. Estimated date of last use (MM/DD/YYYY)	<u>9/10/2016</u>	<u>9/10/2016</u>	_____	_____	_____
D. Estimated date of removal (MM/DD/YYYY)	<u>9/21/2016</u>	<u>9/21/2016</u>	_____	_____	_____
E. Tank was removed from ground	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____
F. Tank was not removed from ground	_____	_____	_____	_____	_____
Tank was filled with inert material	_____	_____	_____	_____	_____
Describe material used	_____	_____	_____	_____	_____
G. Piping was removed from ground	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____
H. Piping was not removed from ground	_____	_____	_____	_____	_____
I. Other, please specify	_____	_____	_____	_____	_____



Massachusetts Department of Environmental Protection
Underground Storage Tank Program

Form UST FP-290R

Notification for Removal or Closure of In Place Underground Storage Tanks Regulated Under 527 CMR 9.00

Tank Number (cont.)	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. _____	Tank No. _____	Tank No. _____
2. tank closed in accordance with 527 CMR 9.00	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
A. Evidence of a leak detected	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
B. Mass. DEP notified	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
1. Mass DEP tracking number	_____	_____	_____	_____	_____
2. Agency or company performing contamination assessment*	_____	_____	_____	_____	_____
<p>I declare under penalty of perjury that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, believe that the submitted information is true, accurate, and complete.</p>					
Name and official title of owner or owner's authorized representative <u>President</u>		Signature: <u>[Signature]</u>		Date: <u>10/16/10</u>	



Massachusetts Department of Environmental Protection
Underground Storage Tank Program
P.O. Box 120-0165 - Boston, MA 02112-0165
Phone (617) 556-1035



UST Submission Attestation

GENERAL SUBMISSION INFORMATION

Submission Number:

1107077

Form Type:

Tank Status Changes

Applicant Name:

Greg Murphy

Date:

10/6/2016

Facility:

TRANSIT SERVICES INC (UST ID: 3433)

REMITTANCE ADDRESS

Massachusetts Department of Environmental Protection
One Winter Street, 7th Floor
Boston, MA 02108
ATTN: UST Program

Upon receipt, MassDEP will retrieve the document indicated above and "accept" it as being submitted. If you have any questions or need further information, please contact the UST Assistance Line 617-556-1035 x2 or send your questions to dep.ust@state.ma.us

SIGNATURE

Source of Authority to Electronically Sign Documents
(check only one box)

If a Corporation or Non-Profit Corporation:

- ☒ President
☐ Secretary
☐ Treasurer
☐ Vice President (if authorized to contractually bind the corporation)
☐ Employee of the Corporation (if authorized to contractually bind the corporation)

If a Sole Proprietorship:

- ☐ Proprietor

If a Municipality or Public Agency:

- ☐ Principal Executive Officer or Ranking Elected Official (if authorized to contractually bind the municipality or public agency)

If a Limited Liability Company (LLC):

- ☐ Person authorized to contractually bind the company

If a Trust:

- ☐ Trustee or Other Person authorized to contractually bind the trust

If a Partnership:

- ☐ General Partner (if authorized to contractually bind the partnership)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment.

Name (please print)

Signature

Date

WALTER J. CALLAHAN

Walter J. Callahan

10/10/16



Make application to local fire department.

Fire department retains original application and issues duplicate as permit.

508-991-6120

Fire Fee

The Commonwealth of Massachusetts Paid #125

Check #12918

Department of Fire Services - Office of the State Fire Marshal

APPLICATION and PERMIT

Fee: 125.

for steel underground storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 1.00 Section 1.12.8.40, application is hereby made by:

9/20/16

Tank Owner

Tank Owner Name (please print)

TRANSIT SERVICES

Address

987 Pleasant St

New Bedford

MA

Street

City

State

Zip

Signature (if applying for permit)

Removal Contractor

Company Name

MECO Environmental Services, Inc.

Address

1119 Washington Street

Weymouth MA 02189

Signature (if applying for permit)

[Signature]

IFCI* Certified

Other

Contamination Assessment

Co. or Individual

Edmund Elrick

Address

1119 Washington St Weymouth

Signature (if applying for permit)

[Signature]

IFCI* Certified

LSP #

8978

Other

Tank Information

Tank Location

987 Pleasant St

Tank Capacity (gallons)

2000

Gal

Substance Last Stored

Gasoline

Tank Dimensions (diameter x length)

64" DIA x 12' Long

Remarks:

No sign of leaks, testing done by Edmund Elrick of MECO Environmental

Disposal Information

Firm Transporting Waste

Expro Services

State Lic. #

Hazardous Waste Manifest#

On Site

E.P.A. #

Approved Tank Disposal Yard

Alvord Reserve

Tank Yard #

0

Type of Inert Gas

CO2

Tank Yard Address

Wareham, MA

Approvals

City or Town

New Bedford

FDID#

Permit#

16-079

Date of Issue

9-21-2016

Date of Expiration

9-23-2016

Dig Safe approval number:

2016 360 7174

Trenching Permit #

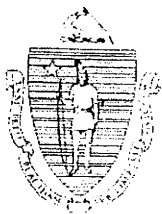
27-16

Signature / Title of Officer granting permit

Lt. Edward Mangus

After removal(s) ("consumptive use" fuel oil tanks exempted) send Form FP290 or Form FP-290R signed by the local fire department to MassDEP, Bureau of Waste Prevention US1 Program, PO Box 120-0165, Boston, MA 02112-0165.

*International Fire Code Institute



Make application to local fire department.

Fire department retains original application and issues duplicate as permit.

508-991-6120

Fire Per.

The Commonwealth of Massachusetts

Department of Fire Services - Office of the State Fire Marshal (check # 12910)

APPLICATION and PERMIT

Fee: 125.

for steel underground storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 1.00 Section 1.12.8.40, application is hereby made by:

Tank Owner

Tank Owner Name (please print)

TRANSIT SERVICES

Address

987 Pleasant St

New Bedford

MA

Street

City

State

Zip

Signature (if applying for permit)

Removal Contractor

Company Name

MECO Environmental Services, Inc.

Address

1119 Washington Street

Weymouth MA 02190

Signature (if applying for permit)

[Signature]

IFCI* Certified

Other

Contamination Assessment

Co. or Individual

EDMUND E. RICH

Address

1119 Washington St Weymouth

Signature (if applying for permit)

[Signature]

IFCI* Certified

LSP # 8928

Other

Tank Information

Tank Location

987 Pleasant St

Street Address

City

Tank Capacity (gallons)

4000 Gal

Substance Last Stored

Gasoline

Tank Dimensions (diameter x length)

64" DIA x 24' Long

Remarks:

No signs of leakage, testing done by Edmund

Rich at MECO Environmental

Disposal Information

Firm Transporting Waste

TRANSIT SERVICES

State Lic. #

Hazardous Waste Manifest #

On Site

E.P.A. #

Approved Tank Disposal Yard

Albion, Maine

Tank Yard #

0

Type of Inert Gas

CO2

Tank Yard Address

WALPOLE, MA

Approvals

City or Town

New Bedford

FDID#

05201

Permit#

16-074

Date of Issue

9-21-2016

Date of Expiration

9-23-2016

Dig Safe approval number:

2016 360 7974

Trenching Permit #

27-16

Signature / Title of Officer granting permit

Lt. Alan Marques

After removal(s) ("consumptive use" fuel oil tanks exempted) send Form FP290 or Form FP-290R signed by the local fire department to MassDEP, Bureau of Waste Prevention UST Program, PO Box 120-0165, Boston, MA 02112-0165.

*International Fire Code Institute



ANALYTICAL REPORT

Lab Number: L1630165

Client: Mecor Environmental
1119 Washington Street
Weymouth, MA 02189

ATTN: Ken Goddard

Phone: (781) 331-6446

Project Name: TRANSIT SERVICES

Project Number: Not Specified

Report Date: 09/30/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: TRANSIT SERVICES
Project Number: Not Specified

Lab Number: L1630165
Report Date: 09/30/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1630165-01	COMP SIDE WALL	SOIL	NEW BEDFORD	09/21/16 12:00	09/23/16
L1630165-02	GROUNDWATER	WATER	NEW BEDFORD	09/21/16 12:00	09/23/16

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is 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 |
| B | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? | YES |
| 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 |
| 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 |
| E 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). | YES |
| E b. | APH and TO-15 Methods only: Was the complete analyte list reported for each method? | N/A |
| 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 |

A response to questions G, H and I is required for "Presumptive Certainty" status

- | | | |
|---|---|-----|
| G | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | YES |
| H | Were all QC performance standards specified in the CAM protocol(s) achieved? | YES |
| I | Were results reported for the complete analyte list specified in the selected CAM protocol(s)? | YES |

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: TRANSIT SERVICES
Project Number: Not Specified

Lab Number: L1630165
Report Date: 09/30/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a *dry weight basis unless otherwise noted*. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

Case Narrative (continued)

MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Melissa Cripps

Title: Technical Director/Representative

Date: 09/30/16

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

SAMPLE RESULTS

Lab ID: L1630165-01
 Client ID: COMP SIDE WALL
 Sample Location: NEW BEDFORD
 Matrix: Soil
 Analytical Method: 100,VPH-04-1.1
 Analytical Date: 09/29/16 20:23
 Analyst: JM
 Percent Solids: 89%

Date Collected: 09/21/16 12:00
 Date Received: 09/23/16
 Field Prep: Not Specified

Quality Control Information

Condition of sample received:
 Sample Temperature upon receipt:
 Were samples received in methanol?
 Methanol ratio:

Satisfactory
 Received on Ice
 Covering the Soil
 1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.08	--	1
C9-C12 Aliphatics	ND		mg/kg	3.08	--	1
C9-C10 Aromatics	ND		mg/kg	3.08	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.08	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.08	--	1
Benzene	ND		mg/kg	0.123	--	1
Toluene	ND		mg/kg	0.123	--	1
Ethylbenzene	ND		mg/kg	0.123	--	1
p/m-Xylene	ND		mg/kg	0.123	--	1
o-Xylene	ND		mg/kg	0.123	--	1
Methyl tert butyl ether	ND		mg/kg	0.062	--	1
Naphthalene	ND		mg/kg	0.247	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	95		70-130
2,5-Dibromotoluene-FID	99		70-130

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

SAMPLE RESULTS

Lab ID: L1630165-02
 Client ID: GROUNDWATER
 Sample Location: NEW BEDFORD
 Matrix: Water
 Analytical Method: 100.VPH-04-1.1
 Analytical Date: 09/30/16 11:53
 Analyst: JM

Date Collected: 09/21/16 12:00
 Date Received: 09/23/16
 Field Prep: Not Specified

Quality Control Information

Condition of sample received:
 Aqueous Preservative:
 Sample Temperature upon receipt:

Satisfactory
 Laboratory Provided Preserved
 Container
 Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	71.7		ug/l	50.0	--	1
C9-C12 Aliphatics	733		ug/l	50.0	--	1
C9-C10 Aromatics	191		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	61.8		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	415		ug/l	50.0	--	1
Benzene	6.53		ug/l	2.00	--	1
Toluene	3.36		ug/l	2.00	--	1
Ethylbenzene	ND		ug/l	2.00	--	1
p/m-Xylene	47.8		ug/l	2.00	--	1
o-Xylene	78.5		ug/l	2.00	--	1
Methyl tert butyl ether	ND		ug/l	3.00	--	1
Naphthalene	ND		ug/l	4.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	103		70-130
2,5-Dibromotoluene-FID	103		70-130

Project Name: TRANSIT SERVICES
Project Number: Not Specified

Lab Number: L1630165
Report Date: 09/30/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 100, VPH-04-1.1
Analytical Date: 09/29/16 08:48
Analyst: JM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG937176-3					
C5-C8 Aliphatics	ND		mg/kg	2.67	--
C9-C12 Aliphatics	ND		mg/kg	2.67	--
C9-C10 Aromatics	ND		mg/kg	2.67	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--
Benzene	ND		mg/kg	0.107	--
Toluene	ND		mg/kg	0.107	--
Ethylbenzene	ND		mg/kg	0.107	--
p/m-Xylene	ND		mg/kg	0.107	--
o-Xylene	ND		mg/kg	0.107	--
Methyl tert butyl ether	ND		mg/kg	0.053	--
Naphthalene	ND		mg/kg	0.213	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	92		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name: TRANSIT SERVICES
Project Number: Not Specified

Lab Number: L1630165
Report Date: 09/30/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 09/30/16 09:23
Analyst: JM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 02 Batch: WG937634-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	94		70-130
2,5-Dibromotoluene-FID	95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: TRANSIT SERVICES

Project Number: Not Specified

Lab Number: L1630165

Report Date: 09/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG937176-1 WG937176-2								
C5-C8 Aliphatics	89		91		70-130	3		25
C9-C12 Aliphatics	98		100		70-130	2		25
C9-C10 Aromatics	91		94		70-130	3		25
Benzene	88		92		70-130	4		25
Toluene	90		94		70-130	4		25
Ethylbenzene	91		94		70-130	4		25
p/m-Xylene	92		95		70-130	3		25
o-Xylene	94		97		70-130	3		25
Methyl tert butyl ether	85		92		70-130	7		25
Naphthalene	90		98		70-130	9		25
1,2,4-Trimethylbenzene	91		94		70-130	3		25
Pentane	81		83		70-130	3		25
2-Methylpentane	89		91		70-130	3		25
2,2,4-Trimethylpentane	94		96		70-130	3		25
n-Nonane	97		99		30-130	2		25
n-Decane	98		100		70-130	2		25
n-Butylcyclohexane	99		101		70-130	2		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG937176-1 WG937176-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	91		94		70-130
2,5-Dibromotoluene-FID	92		95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: TRANSIT SERVICES

Project Number: Not Specified

Lab Number: L1630165

Report Date: 09/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02 Batch: WG937634-1 WG937634-2								
C5-C8 Aliphatics	87		87		70-130	0		25
C9-C12 Aliphatics	85		86		70-130	1		25
C9-C10 Aromatics	98		98		70-130	1		25
Benzene	89		90		70-130	1		25
Toluene	94		94		70-130	0		25
Ethylbenzene	96		97		70-130	1		25
p/m-Xylene	98		99		70-130	0		25
o-Xylene	97		97		70-130	1		25
Methyl tert butyl ether	91		94		70-130	2		25
Naphthalene	111		112		70-130	1		25
1,2,4-Trimethylbenzene	98		98		70-130	1		25
Pentane	82		82		70-130	0		25
2-Methylpentane	88		88		70-130	0		25
2,2,4-Trimethylpentane	90		90		70-130	0		25
n-Nonane	90		90		30-130	0		25
n-Decane	86		87		70-130	2		25
n-Butylcyclohexane	90		90		70-130	0		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSIT SERVICES

Project Number: Not Specified

Lab Number: L1630165

Report Date: 09/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02 Batch: WG937634-1 WG937634-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	104		103		70-130
2,5-Dibromotoluene-FID	104		103		70-130

INORGANICS & MISCELLANEOUS

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Project Name: TRANSIT SERVICES**Project Number:** Not Specified**Lab Number:** L1630165**Report Date:** 09/30/16**SAMPLE RESULTS**

Lab ID: L1630165-01
Client ID: COMP SIDE WALL
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 09/21/16 12:00
Date Received: 09/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/26/16 15:20	121,2540G	RI

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1630165-01A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	VPH-DELUX-10(28)
L1630165-01B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)
L1630165-02A	Vial HCl preserved	A	N/A	3.9	Y	Absent	VPH-DELUX-10(14)
L1630165-02B	Vial HCl preserved	A	N/A	3.9	Y	Absent	VPH-DELUX-10(14)
L1630165-02C	Vial HCl preserved	A	N/A	3.9	Y	Absent	VPH-DELUX-10(14)

*Values in parentheses indicate holding time in days

Project Name: TRANSIT SERVICES

Lab Number: L1630165

Project Number: Not Specified

Report Date: 09/30/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1.8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: Data Usability Report

Project Name: TRANSIT SERVICES
Project Number: Not Specified

Lab Number: L1630165
Report Date: 09/30/16

Data Qualifiers

- reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - *Estimated value.* This represents an estimated concentration for Tentatively Identified Compounds (TICs)
- ND** - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: TRANSIT SERVICES
Project Number: Not Specified

Lab Number: L1630165
Report Date: 09/30/16

REFERENCES

- 100 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, July 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: **EPA 3050B**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

Mansfield Facility:

Drinking Water

EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

