Site Assessment Report

Former 2,000-gallon No. 2 Fuel Oil Underground Storage Tank

1 India Street
Portland, Maine
Facility Registration Number: 21964

Prepared For:
UST Program Administrator
Maine Department of Environmental Protection
Bureau of Remediation and Waste Management

On Behalf of:
LRAR, LLC
1270 Soldiers Field Road
Boston, MA 02135-1003

March 5, 2015

41 Hutchins Drive
Portland, ME 04102
800-426-4262

WOODARD &CURRAN

Site Assessment Report

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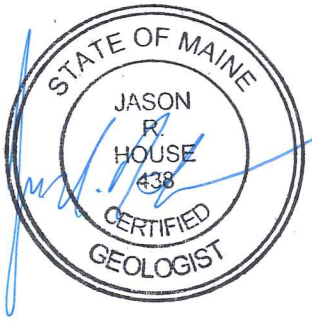

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woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

TABLE OF CONTENTS

FIGURES

APPENDICES

1. INTRODUCTION

1.1 PURPOSE

This report has been prepared by Woodard & Curran to meet the requirements of 06-096 Maine Department of Environmental Protection (MEDEP) Chapter 691 "Rules for Underground Oil Storage Facilities", last amended January 7, 2014. The purpose of this Site Assessment Report is to present the findings associated with closure by removal of one approximately 2,000-gallon No. 2 fuel oil underground storage tank (UST) located at 1 India Street in Portland, Maine (Site).

The site assessment included the following activities:

- UST Registration – Prior to closure, the UST was registered with the MEDEP. Woodard & Curran prepared the registration documents and submitted them to the MEDEP on January 30, 2015. In addition, Woodard & Curran provided notification of the intended UST closure activities to the MEDEP and the City of Portland.
- UST Removal – Prior to UST removal, Woodard & Curran prepared a Site specific Health and Safety Plan (HASP) for the field-related tasks and coordinated with DigSafe for utility clearance. Woodard & Curran provided documentation of the UST removal activities conducted by ENPRO Services, Incorporated (ENPRO). Removal activities are summarized in Section 2.
- UST Inspection – During UST removal activities, Woodard & Curran inspected the condition of the tank exterior and assessed the excavation for indications of a release. Tank inspection results are provided in Section 2.
- Confirmatory Sample Collection and Analysis – Consistent with the requirements of MEDEP Chapter 691 and Woodard & Curran's professional judgment, discrete soil samples were collected from the sidewalls, ends, and bottom of the UST excavation and along associated buried piping. Samples were submitted to Katahdin Analytical Services (Katahdin) of Scarborough, Maine for analysis of extractible petroleum hydrocarbons (EPH) by Massachusetts DEP method 04-1.1. Soil sampling results are provided in Section 2.

1.2 SITE LOCATION AND HISTORY

The Site consists of a 0.18-acre lot situated at the corner of Thames Street and India Street in a mixed commercial and residential area of Portland (see Figure 1 – Site Plan). Portland Harbor is located approximately 500 feet southeast of the Site. The Site is currently occupied by a vacant three-story brick building that was most recently used as commercial offices. In addition, the Site contains a parking area consisting of hard-packed dirt. The area in which the Site is located was historically used as a railroad switching yard from the late 1800s until 1989. Sometime between 1896 and 1909, the Canadian National Railways/Grand Trunk Railways System Depot was constructed on a portion of a larger property that included the Site. In 1960, passenger service ceased and in 1966, the passenger depot was removed.

Site details include the following:

- Tax Map ID: Lot B-1 of Tax Map 19, as identified by the City of Portland Assessor's Office
- Site (facility) address: 1 India Street, Portland, Maine
- Mailing address for the Site property owner: LRAR, LLC, 1270 Soldiers Field Road, Boston, MA 02135-1003
- UST Facility Registration Number for the Site: 21964

1.3 SITE GEOLOGY AND HYDROGEOLOGY

Based on soil sampling conducted by Woodard & Curran in 2005 to pre-characterize the Site soils to evaluate handling and disposal options for Site soils, subsurface materials generally consist of 3 to 19 feet of fill consisting of fine to course silty sand with varying amounts of gravel, cobbles, brick, ash, wood, and debris. Fill materials are reportedly underlain by marine clay or bedrock. (Woodard & Curran, 2005a)

Groundwater was not encountered during closure activities. Based on the general topography and the location of the Site, groundwater is expected to flow southwest towards Portland Harbor. The Site and surrounding properties are served by a public water supply provided by the Portland Water District. The Site is not located on a sand and gravel aquifer according to maps by the Maine Geological Survey.

2. METHODOLOGY AND FINDINGS

2.1 TANK REGISTRATION

Based on the findings of previously completed environmental site assessments (Woodard & Curran, 2005b; Woodard & Curran, 2006), an inactive 2,000-gallon No. 2 fuel oil UST was thought to be present at the Site. No UST that is consistent with this description was listed on the MEDEP's online database of Registered Oil Tanks, as reviewed on January 15, 2015. However, a geophysical survey (Ransom, 2015) performed on January 7, 2015 by Digsmart of Maine, Inc., with oversight provided by Ransom Consulting, Inc., identified the location and general orientation of the suspected UST. Therefore, Woodard & Curran prepared a Registration Form for Underground Oil Storage Facilities and submitted it to the MEDEP on January 30, 2015. In addition, Woodard & Curran provided notification of the intended UST closure activities to the MEDEP and the City of Portland Fire Department on this day.

2.2 TANK REMOVAL

Jedd Steinglass and Clare Tochilin of Woodard & Curran conducted an assessment at the Site during closure by removal activities conducted on February 12, 2015. The findings of the assessment are provided below, and photos taken during the assessment are included in the Appendix A.

ENPRO Services performed the tank removal at the Site on February 12, 2015. Woodard & Curran provided documentation of the removal.

Upon arriving at the Site, Woodard & Curran reviewed known conditions with ENPRO and discussed recommended Health and Safety procedures. In addition, ENPRO inspected the area for markings indicating the location of underground utilities and confirmed that a valid Dig Safe ticket was in place. ENPRO then initiated excavation activities and exposed the top of the UST.

During excavation, an additional pipe unassociated with the UST was discovered across the top of the tank. To provide better access to the tank, this pipe was cut and the section above the UST was removed.

Once exposed, approximately 20 inches of fuel was observed within the UST, which ENPRO removed and contained within a vacuum truck for subsequent off-site recycling or disposal. Following the removal of product and screening the atmosphere within the tank, ENPRO entered the UST and removed accumulated sludge and residuals. No water or other indication of a breach of the UST was noted by ENPRO during these activities.

Following removal, the tank was observed to be approximately 12 feet in length by 5.5 feet in diameter, with three pipes leading from the southeast end of the tank to an adjacent concrete pad, which was the reported former location of a boiler. These pipes were excavated and removed to the edge of the concrete pad. No fuel was observed in any of the pipes, and no evidence of contamination in the vicinity of the concrete pad was noted.

The final excavation dimensions were approximately 14 feet by 9 feet, with a depth of 8 feet below grade surface (bgs). Following the completion of UST removal activities, including sampling discussed in Section 2.4, the excavation was backfilled to grade with a combination of excavated soil and imported sand and gravel fill.

A total of 623 gallons of waste No. 2 fuel oil were pumped out of the tank by ENPRO and transported to ENPRO's facility at 106 Main Street in South Portland, Maine. In addition, the cleaned UST was made inoperable and transported by ENPRO for recycling at the Prolerized New England Company, LLC facility located at 568 Riverside Street in Portland, Maine. The Non-Hazardous Waste Manifest associated with the recovered product and the tank disposal receipt are included in Appendix B.

2.3 TANK INSPECTION

On February 12, 2015, Woodard & Curran inspected the condition of the tank exterior and assessed the excavation for indications of a release. Some pitting was observed at the bottom of the tank; however, no holes, loose fittings/joints, cracks, fractures, or evidence of oil stains were observed on the tank. No petroleum odors, stained or saturated soil, or other evidence of a discharge of fuel or were observed in the excavation underneath or surrounding the tank.

2.4 FIELD SCREENING AND CONFIRMATORY SOIL SAMPLING

Consistent with the requirements of MEDEP Chapter 691 and Woodard & Curran's professional judgment, discrete soil samples were collected from the sidewalls, ends, and base of the UST excavation and along associated buried piping as follows:

Sample ID	Depth (feet bgs)	Sample Location	PID Reading (parts per million by volume)
NSW (4')	4 feet	Sidewall (north)	Non-Detect
SSW (4')	4 feet	Sidewall (south)	0.3
SSW (4') DUP	4 feet	Sidewall (south)	0.3
ESW (4')	4 feet	Sidewall (east)	Non-Detect
WSW (4')	4 feet	Sidewall (west)	Non-Detect
NB (8')	8 feet	Base (north)	Non-Detect
SB (8')	8 feet	Base (south)	Non-Detect
PIPE	2 feet	Below fill pipe elbow	0.3

At each sample location, Woodard & Curran performed field screening for volatile organic compounds (VOCs) with a calibrated handheld photoionization detector (PID). Soil samples were collected in double layered metalized polyester and polyethylene bags, and headspace VOC concentrations were analyzed according to Chapter 691 Appendix Q methodology. PID readings ranged from below the detection limits of the instrument to 0.3 parts per million by volume (ppm_v).

Since there were no release indicators observed during the field screening (e.g., elevated PID readings, staining, or odors), the collected field screening samples were transferred to laboratory supplied glassware and preserved with ice pending subsequent laboratory analysis. In total, eight samples were submitted to Katahdin Analytical Services for analysis of EPH by the Massachusetts DEP method 04-1.1. The eight samples consisted of: four sidewall soil samples (one at each end and one along each side of the UST) collected at 4 feet bgs; two base soil samples collected from beneath the UST (at the bottom of the tank grave excavation) at 8 feet bgs; one soil sample collected from beneath fill pipe elbow; and one duplicate sample for quality assurance/quality control (QA/QC). Soil sample locations are shown on Figure 2.

2.5 CONFIRMATORY SOIL ANALYTICAL RESULTS

Soil sample results provided by Katahdin Analytical Services are included in Appendix C. Though no indication of a release was identified, the Site is currently involved in the MEDEP Voluntary Response Action Program. As such, the confirmatory analytical results were compared to the May 8, 2013, MEDEP Remedial Action Guidelines (RAGs). A

summary of detected concentrations of EPH relative to the MEDEP RAGs and a copy of the original analytical results provided by Katahdin are also included in Appendix C.

Based on the confirmatory analytical results, the EPH target analytes benzo(a)pyrene and dibenzo(a,h)anthracene were detected above the MEDEP RAGs for the Residential and/or Park User exposure scenarios in one sidewall sample collected from 4 feet bgs [ESW (4')]. No EPH carbon fraction range or target analyte concentrations from this sample exceeded the MEDEP RAGs for either the Commercial or Construction Worker exposure scenarios and no additional MEDEP RAG exceedances were identified in the confirmatory soil samples.

3. CONCLUSIONS AND RECOMMENDATIONS

3.1 CONCLUSIONS

At the time of the February 12, 2015, tank removal, Woodard & Curran did not observe holes, loose fittings/joints, cracks, fractures, or evidence of oil stains on the tank. In addition, no evidence of petroleum odors, no discharge of fuel, and no fuel-stained or saturated soil were observed in the excavation underneath or surrounding the tank.

Analytical results from the soil sampling conducted within the excavation indicated that benzo(a)pyrene and dibenzo(a,h)anthracene were detected above the MEDEP RAGs for the Residential and/or Park User exposure scenarios in one sample collected from 4 feet bgs. No EPH carbon fraction range or target analyte concentrations from this sample exceeded the MEDEP RAGs for either the Commercial or Construction Worker exposure scenarios and no additional MEDEP RAG exceedances were identified in the confirmatory soil samples.

Based on known conditions in the vicinity of the Site, Site history, and the background Upper Prediction Limits presented in the MEDEP RAGs, it is likely that the detected concentrations of EPH in the confirmatory soil samples are representative of background conditions and/or urban fill and not necessarily indicative of a point source release of petroleum from the former UST. The detected EPH concentrations are also consistent with the results of previous investigations conducted at the Site and vicinity, as summarized in the 2006 Phase I Environmental Site Assessment Report Update (Woodard & Curran, 2006).

The proposed future development of the Site includes the renovation and continued use of the building, and paving of exterior portions of the Site for parking, thus limiting current and future potential exposure to the detected EPH concentrations. Regardless of the source of identified concentrations, current Site conditions are not expected to pose an unacceptable risk to future Site occupants and users provided that:

1. The surface of the Site is maintained; and
2. The requirements of the soil management plan that has been prepared for the Site as part of participation in the MEDEP Voluntary Response Action Program (VRAP) are followed.

3.2 RECOMMENDATIONS

Woodard & Curran recommends no further assessment or action related to the removal of the UST at the Site.

4. REFERENCES

Ransom Consulting, Inc., 2015. Letter Report from Aaron R. Martin and Stephen J. Dyer (Ransom) to Kevin Bunker (Developers Collaborative) Re: Geophysical Survey; January 8.

Woodard & Curran, 2005a. Environmental Soil and Groundwater Sampling Results Report; October 28.

Woodard & Curran, 2005b. Phase I Environmental Site Assessment Report, Eastern Waterfront Project; October 28 (revised December 15, 2005).

Woodard & Curran, 2006. Phase I Environmental Site Assessment Report Update, Eastern Waterfront Project; July 13.

FIGURES

Figure 1: Site Plan

Figure 2: UST Excavation Area

1 India Street
Portland, Maine

Site Plan

FIGURE #1

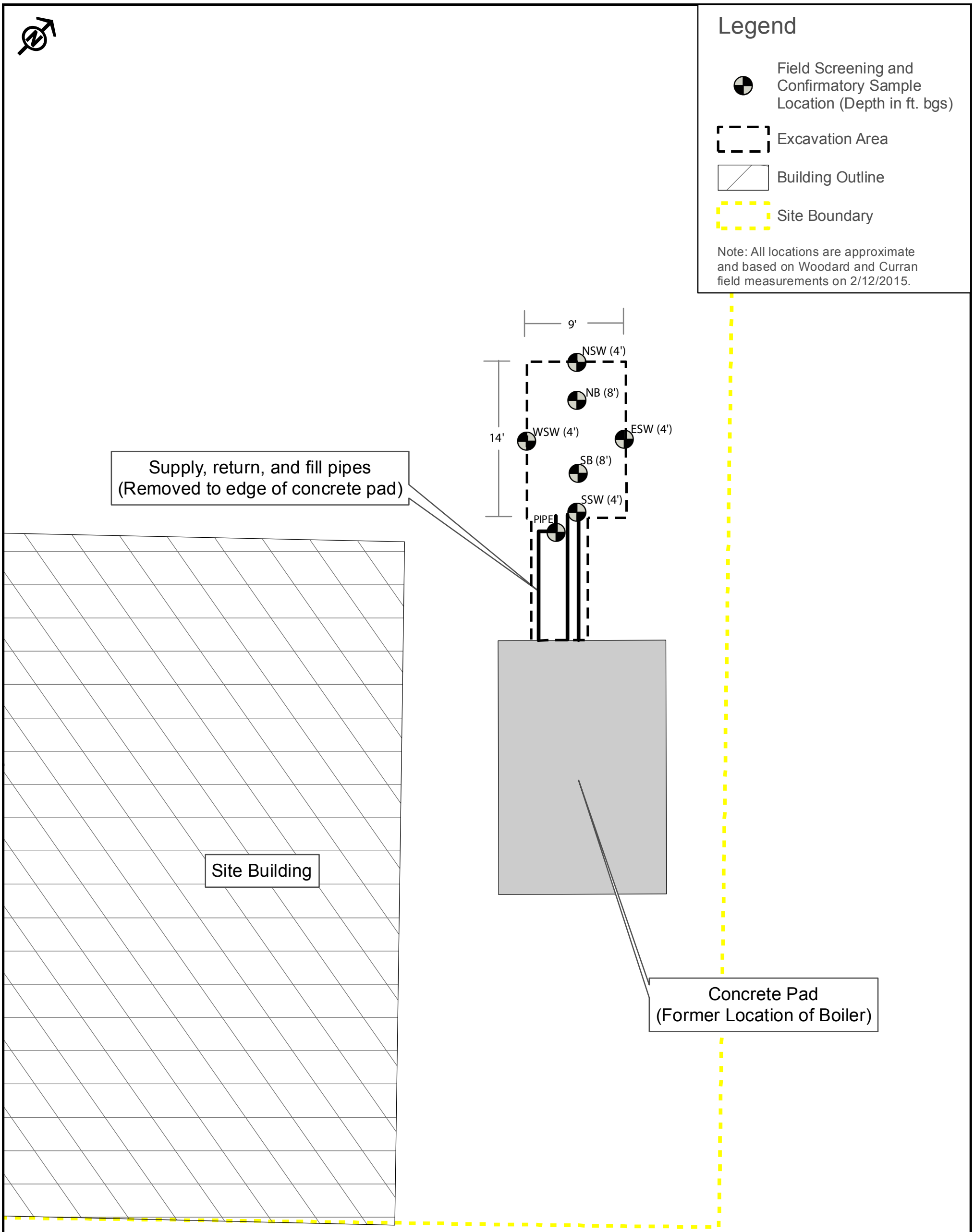
SCALE: 1 " = 30 '	DOC: Site_plan.mxd
DATE: FEBRUARY 2015	PROJECT #: 228810
DRAWN BY: PQ	SOURCE: ESRI

Figure Exported: 2/6/2015 By: pquackenbush Using: C:\Users\pquackenbush\Desktop\GIS_projects\one two Portlandsquare Project\mxds\Site_plan.mxd

Legend

- Field Screening and Confirmatory Sample Location (Depth in ft. bgs)
- Excavation Area
- Building Outline
- Site Boundary

Note: All locations are approximate and based on Woodard and Curran field measurements on 2/12/2015.



0 4 8 16 Feet

1 India Street
Portland, Maine

UST Excavation Area

FIGURE #2

WOODARD &CURRAN

SCALE: 1 " = 8 '	DOC: Excavation Area2.mxd
DATE: FEBRUARY 2015	PROJECT #: 228810
DRAWN BY: PQ	SOURCE: ESRI

APPENDIX A: PHOTO LOG

Photo Number: 1	View Direction: Looking Northwest	Date: February 12, 2015
Description: Removal of pipes on the top of 2,000-gallon No. 2 fuel oil UST (1 India Street)		

Photo Number: 2	View Direction: Looking Northeast	Date: February 12, 2015
Description: Top of 2,000-gallon No. 2 fuel oil UST during excavation		

Photo Number: 3	View Direction: Looking Southeast	Date: February 12, 2015
Description: Pipes cut off at southeast end of UST; approximate PIPE field screening and sample location		

Photo Number: 4	View Direction: Not Applicable	Date: February 12, 2015
Description: Remaining fuel oil inside 2,000-gallon No. 2 fuel oil UST		

Photo Number: 5	View Direction: Looking North	Date: February 12, 2015
Description: Excavated 2,000-gallon No. 2 fuel oil UST before removal		

Photo Number: 6	View Direction: Looking South	Date: February 12, 2015
Description: Bottom of 2,000-gallon No. 2 fuel oil UST after removal		

Photo Number: 7	View Direction: Looking North	Date: February 12, 2015
Description: Top of 2,000-gallon No. 2 fuel oil UST after removal		

Photo Number: 8	View Direction: Looking Southeast	Date: February 12, 2015
Description: Bottom and sidewalls of excavation (note pipe at top of photo was subsequently removed)		

APPENDIX B: DISPOSAL DOCUMENTATION

ENPRO

NON HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: MEX020000000002 46891

2. Page 1 of 1

3. Generator's Name and Mailing Address
LRAR, INC
1270 Soldiers Field Road
BOSTON ME 02133
Attn: Chris Tully

4. Generator's Phone (617) 782-2600

A. Non Hazardous Manifest Document Number: NHZ001 24690

B. G.L. (Gen. Site Address)

5. Transporter 1 Company Name: ENPRO SERVICES, INC.

6. US EPA ID Number: MAD98 0670004

C. S.T.I. (Lic. Plate #)

D. Transporter's Phone

7. Transporter 2 Company Name: [illegible] SERVICES INC

8. US EPA ID Number: [illegible]

E. S.T.I. (Lic. Plate #)

F. Transporter's Phone

9. Designated Facility Name and Site Address
ENPRO SERVICES OF MAINE, INC.
106 MAIN STREET
SOUTH PORTLAND ME 04106

10. US EPA ID Number: MED019051069

G. State Facility's ID: SAME

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. STATE REGULATED OIL WASTE	001	TT	00623	G	State NONE / State NONE
b.					State / State
c.					State / State
d.					State / State

J. Additional Descriptions for Materials Listed Above
(L) OIL & WATER FOR RECYCLE ME-0215

K. Handling Codes for Wastes Listed Above
a. H06 H01

15. Special Handling Instructions and Additional Information
ER CONTACT: ENPRO SERVICES, INC. - 24 HOURS - (800) 966-1102
1) ENPRO PO# 32343
Point of Departure:
ENPRO JOB# 2008-15

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable state laws and regulations.

Printed/Typed Name: Claire Tochilin As Agent for
Signature: [signature]
Month Day Year: 02 12 15

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: CHARLES REEVES
Signature: [signature]
Date Month Day Year: 02 12 15

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [signature]
Date Month Day Year: 02 13 15

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: William S. Dalb
Signature: [signature]
Date Month Day Year: 02 13 15

TRANSPORTER #1

PROLERIZED NEW ENGLAND COMPANY, LLC. 568 Riverside Street Portland, ME 04104 (207) 772-8329

ENPRO
Vendor # ENPR04

Date: 02/13/15
Check No: 42211892

TICKET#	SHP DATE	COMMODITY	GROSS	TARE	NET	ADJ	PAID WT	VEHICLE ID	PRICE	UM	FRT EXT	TOTAL AMT
TKUMJN	02/13/15	#1 HMS Unprepared	18240	15960	2280	0	2280	ENPRO	95.0000	GT	0.00	96.70
VENDOR ENPR04 TOTALS (Pounds):					2280	0	2280		TOTAL DUE: $			96.70

Woolard & Curran
3008-15

Ticket TKUMJN
1.0179 Ton
2280 lbs
PO 32414 for credit

THIS CHECK HAS A GREEN AND BLUE BACKGROUND AND IS PRINTED ON WATERMARKED PAPER. THE BORDER IS MICROPRINTED AS A SAFETY PRECAUTION.

Schnitzer

PROLERIZED NEW ENGLAND COMPANY, LLC.
568 Riverside Street
Portland, ME 04104
(207) 772-8329

BANK OF AMERICA
24-7038/3230

No. 42211892

DATE
02/13/15

PAY EXACTLY Ninety Six and 70/100 Dollars

*********96.70

PAY TO THE ORDER OF
ENPRO
31 WALDROM WAY
PORTLAND, ME 04103

Authorized Signature

Void After 180 Days

⑈42211892⑈ ⑆323070380⑆ 004850800511⑈

APPENDIX C: SOIL ANALYTICAL RESULTS

Summary of Confirmatory Soil Analytical Results
1 India Street, Portland, Maine

Sample ID / Collection Date	Confirmatory Sample Results (mg/kg)								Maine DEP RAGs (mg/kg)					
	NSW (4') 2/12/2015	ESW (4') 2/12/2015	SSW (4') 2/12/2015	SSW (4') DUP 2/12/2015	WSW (4') 2/12/2015	NB (8') 2/12/2015	SB (8') 2/12/2015	PIPE 2/12/2015	Leaching to Groundwater	Soil Residential	Soil Park User	Soil Commercial Worker	Soil Construction Worker	Urban Developed Background UPL
C9-C18 ALIPHATIC HYDROCARBONS	ND	ND	**130**	**150**	**92**	ND	ND	**120**	10000	2700	4400	10000	10000	-
C19-C36 ALIPHATIC HYDROCARBONS	ND	**63**	**71**	**87**	**75**	**33**	ND	**98**	10000	10000	10000	10000	10000	-
C11-C22 AROMATIC HYDROCARBONS	ND	**120**	**58**	**57**	**27**	**46**	ND	**45**	460	750	1200	5500	10000	-
2-METHYLNAPHTHALENE	ND	**0.52**	ND	ND	ND	ND	ND	**0.22**	3.6	500	830	3600	600	0.089
ACENAPHTHYLENE	ND	**0.53**	ND	ND	ND	ND	ND	ND	68	7500	10000	10000	10000	0.39
ANTHRACENE	ND	**0.32**	ND	ND	ND	ND	ND	ND	2400	10000	10000	10000	3800	0.4
BENZO(A)ANTHRACENE	ND	**1.3**	ND	ND	ND	ND	ND	ND	10000	2.6	4.4	35	430	1.6
BENZO(A)PYRENE	ND	**1.2**	ND	ND	ND	ND	**0.25**	ND	10000	0.26	0.44	3.5	43	1.7
BENZO(B)FLUORANTHENE	ND	**1.3**	ND	ND	ND	ND	ND	ND	10000	2.6	4.4	35	430	2
BENZO(K)FLUORANTHENE	ND	**1.2**	ND	ND	ND	ND	ND	ND	10000	26	44	350	4300	0.76
BENZO[G,H,I]PERYLENE	ND	**0.8**	ND	ND	ND	ND	ND	ND	10000	3700	6200	10000	10000	0.79
CHRYSENE	ND	**1.4**	ND	ND	ND	ND	ND	ND	10000	260	440	3500	10000	2.3
DIBENZO(A,H)ANTHRACENE	ND	**0.32**	ND	ND	ND	ND	ND	ND	10000	0.26	0.44	3.5	43	0.23
FLUORANTHENE	ND	**1.8**	ND	ND	ND	ND	ND	ND	10000	5000	8300	10000	10000	3.23
FLUORENE	ND	**0.24**	ND	ND	ND	ND	ND	ND	120	5000	8300	10000	10000	0.29
INDENO(1,2,3-CD)PYRENE	ND	**0.86**	ND	ND	ND	ND	ND	ND	10000	2.6	4.4	35	430	0.74
NAPHTHALENE	ND	**0.82**	ND	ND	ND	ND	ND	ND	1.7	2500	4200	10000	10000	0.22
PHENANTHRENE	ND	**1.1**	ND	ND	ND	ND	ND	ND	97	3700	6200	10000	8900	1.6
PYRENE	ND	**2.0**	ND	ND	ND	ND	ND	ND	10000	3700	6200	10000	10000	2.8

Notes:
Sample collection depth is presented after sample identification in feet below grade.
Bolded results indicate a detection above the laboratory reporting limit.
Results highlighted in grey indicate an exceedence of applicable RAGs.
RAGs: Maine Department of Environmental Protection May 8, 2013, Remedial Action Guidelines

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

February 23, 2015

Ms. Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

RE: Katahdin Lab Number: SI0947
Project ID: 1 India Street/ 228810
Project Manager: Ms. Jennifer Obrin
Sample Receipt Date(s): February 13, 2015

Dear Ms. Tochilin:

Please find enclosed the following information:

* Report of Analysis (Analytical and/or Field)
* Quality Control Data Summary
* Chain of Custody (COC)
* Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to http://www.katahdinlab.com/cert.html for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.

Sincerely,
KATAHDIN ANALYTICAL SERVICES

Deborah J. Nadeau
Authorized Signature

02/23/2015
Date

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

C Indicates that the flagged compound did not meet DoD criteria in the corresponding daily calibration verification (CV).

L Indicates that the flagged compound did not meet DoD criteria in the corresponding Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) prepared and/or analyzed concurrently with the sample.

M Indicates that the flagged compound did not meet DoD criteria in the Matrix Spike and/or Matrix Spike Duplicate prepared and/or analyzed concurrently with the native sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H1 - pH H2 - DO H3 - sulfide H4 - residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

M1 The matrix spike and/or matrix spike duplicate recovery performed on this sample was outside of the laboratory acceptance criteria. Sample matrix is suspected. The laboratory criteria was met for the Laboratory Control Sample (LCS) analyzed concurrently with this sample.

M2 The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory acceptance criteria. The native sample concentration is greater than four times the spike added concentration so the spike added could not be distinguished from the native sample concentration.

R1 The relative percent difference (RPD) between the duplicate analyses performed on this sample was outside of the laboratory acceptance criteria (when both values are greater than ten times the PQL).

MCL	Maximum Contaminant Level	NL	No limit
NFL	No Free Liquid Present	FLP	Free Liquid Present
NOD	No Odor Detected	TON	Threshold Odor Number

D-1 As required by Method 5210B, APHA Standard Methods for the Examination of Water and Wastewater (21st edition), the BOD value reported for this sample is 'qualified' because the check standard run concurrently with the sample analysis did not meet the criteria specified in the method (198 +/- 30.5 mg/L). These results may not be reportable for compliance purposes.

D-2 The measured final dissolved oxygen concentrations of all dilutions were less than the method-specified limit of 1 mg/L. The reported BOD result was calculated assuming a final oxygen concentration equal to 1 mg/L.

D-3 The dilution water used to prepare this sample did not meet the method and/or regulatory criteria of less than 0.2 or 0.4 mg/L dissolved oxygen (DO) uptake over the five day period of incubation. These results may not be reportable for compliance purposes.

Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-1
Client ID: NSW (4')
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2124.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 94.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics	U	21	mg/Kgdrywt	1	20	21.
C9-C18 Aliphatics	U	21	mg/Kgdrywt	1	20	21.
C19-C36 Aliphatics	U	21	mg/Kgdrywt	1	20	21.
C11-C22 Aromatics	U	21	mg/Kgdrywt	1	20	21.
Naphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
2-Methylnaphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
Phenanthrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(b)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(g,h,i)perylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(k)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Chrysene	U	0.21	mg/Kgdrywt	1	.2	0.21
Dibenzo(a,h)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluorene	U	0.21	mg/Kgdrywt	1	.2	0.21
Indeno(1,2,3-cd)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
5-Alpha Androstane		61.6	%			
o-Terphenyl		66.2	%			
2-Fluorobiphenyl		67.4	%			
2-Bromonaphthalene		69.4	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-2
Client ID: SSW (4')
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2125.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 94.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics		58	mg/Kgdrywt	1	20	21.
C9-C18 Aliphatics		130	mg/Kgdrywt	1	20	21.
C19-C36 Aliphatics		71	mg/Kgdrywt	1	20	21.
C11-C22 Aromatics		58	mg/Kgdrywt	1	20	21.
Naphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
2-Methylnaphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
Phenanthrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(b)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(g,h,i)perylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(k)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Chrysene	U	0.21	mg/Kgdrywt	1	.2	0.21
Dibenzo(a,h)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluorene	U	0.21	mg/Kgdrywt	1	.2	0.21
Indeno(1,2,3-cd)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
5-Alpha Androstane		59.3	%			
o-Terphenyl		56.4	%			
2-Fluorobiphenyl		56.5	%			
2-Bromonaphthalene		59.4	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-3
Client ID: SSW (4') DUP
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2126.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 94.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics		57	mg/Kgdrywt	1	20	21.
C9-C18 Aliphatics		150	mg/Kgdrywt	1	20	21.
C19-C36 Aliphatics		87	mg/Kgdrywt	1	20	21.
C11-C22 Aromatics		57	mg/Kgdrywt	1	20	21.
Naphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
2-Methylnaphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
Phenanthrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(b)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(g,h,i)perylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(k)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Chrysene	U	0.21	mg/Kgdrywt	1	.2	0.21
Dibenzo(a,h)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluorene	U	0.21	mg/Kgdrywt	1	.2	0.21
Indeno(1,2,3-cd)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
5-Alpha Androstane		63.5	%			
o-Terphenyl		57.8	%			
2-Fluorobiphenyl		56.4	%			
2-Bromonaphthalene		58.3	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-4
Client ID: ESW (4')
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2133.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 87.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics		140	mg/Kgdrywt	1	20	22.
C9-C18 Aliphatics	U	22	mg/Kgdrywt	1	20	22.
C19-C36 Aliphatics		63	mg/Kgdrywt	1	20	22.
C11-C22 Aromatics		120	mg/Kgdrywt	1	20	22.
Naphthalene		0.82	mg/Kgdrywt	1	.2	0.22
2-Methylnaphthalene		0.52	mg/Kgdrywt	1	.2	0.22
Phenanthrene		1.1	mg/Kgdrywt	1	.2	0.22
Acenaphthylene		0.53	mg/Kgdrywt	1	.2	0.22
Acenaphthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Anthracene		0.32	mg/Kgdrywt	1	.2	0.22
Benzo(a)anthracene		1.3	mg/Kgdrywt	1	.2	0.22
Benzo(a)pyrene		1.2	mg/Kgdrywt	1	.2	0.22
Benzo(b)fluoranthene		1.3	mg/Kgdrywt	1	.2	0.22
Benzo(g,h,i)perylene		0.80	mg/Kgdrywt	1	.2	0.22
Benzo(k)fluoranthene		1.2	mg/Kgdrywt	1	.2	0.22
Chrysene		1.4	mg/Kgdrywt	1	.2	0.22
Dibenzo(a,h)anthracene		0.32	mg/Kgdrywt	1	.2	0.22
Fluoranthene		1.8	mg/Kgdrywt	1	.2	0.22
Fluorene		0.24	mg/Kgdrywt	1	.2	0.22
Indeno(1,2,3-cd)pyrene		0.86	mg/Kgdrywt	1	.2	0.22
Pyrene		2.0	mg/Kgdrywt	1	.2	0.22
5-Alpha Androstane		58.2	%			
o-Terphenyl		64.8	%			
2-Fluorobiphenyl		65.9	%			
2-Bromonaphthalene		69.9	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-5
Client ID: WSW (4')
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2127.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 91.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics		27	mg/Kgdrywt	1	20	22.
C9-C18 Aliphatics		92	mg/Kgdrywt	1	20	22.
C19-C36 Aliphatics		75	mg/Kgdrywt	1	20	22.
C11-C22 Aromatics		27	mg/Kgdrywt	1	20	22.
Naphthalene	U	0.22	mg/Kgdrywt	1	.2	0.22
2-Methylnaphthalene	U	0.22	mg/Kgdrywt	1	.2	0.22
Phenanthrene	U	0.22	mg/Kgdrywt	1	.2	0.22
Acenaphthylene	U	0.22	mg/Kgdrywt	1	.2	0.22
Acenaphthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Anthracene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(a)anthracene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(a)pyrene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(b)fluoranthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(g,h,i)perylene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(k)fluoranthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Chrysene	U	0.22	mg/Kgdrywt	1	.2	0.22
Dibenzo(a,h)anthracene	U	0.22	mg/Kgdrywt	1	.2	0.22
Fluoranthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Fluorene	U	0.22	mg/Kgdrywt	1	.2	0.22
Indeno(1,2,3-cd)pyrene	U	0.22	mg/Kgdrywt	1	.2	0.22
Pyrene	U	0.22	mg/Kgdrywt	1	.2	0.22
5-Alpha Androstane		53.1	%			
o-Terphenyl		50.9	%			
2-Fluorobiphenyl		56.0	%			
2-Bromonaphthalene		56.9	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-6
Client ID: NB (8')
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2132.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 89.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics		46	mg/Kgdrywt	1	20	22.
C9-C18 Aliphatics	U	22	mg/Kgdrywt	1	20	22.
C19-C36 Aliphatics		33	mg/Kgdrywt	1	20	22.
C11-C22 Aromatics		46	mg/Kgdrywt	1	20	22.
Naphthalene	U	0.22	mg/Kgdrywt	1	.2	0.22
2-Methylnaphthalene	U	0.22	mg/Kgdrywt	1	.2	0.22
Phenanthrene	U	0.22	mg/Kgdrywt	1	.2	0.22
Acenaphthylene	U	0.22	mg/Kgdrywt	1	.2	0.22
Acenaphthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Anthracene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(a)anthracene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(a)pyrene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(b)fluoranthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(g,h,i)perylene	U	0.22	mg/Kgdrywt	1	.2	0.22
Benzo(k)fluoranthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Chrysene	U	0.22	mg/Kgdrywt	1	.2	0.22
Dibenzo(a,h)anthracene	U	0.22	mg/Kgdrywt	1	.2	0.22
Fluoranthene	U	0.22	mg/Kgdrywt	1	.2	0.22
Fluorene	U	0.22	mg/Kgdrywt	1	.2	0.22
Indeno(1,2,3-cd)pyrene	U	0.22	mg/Kgdrywt	1	.2	0.22
Pyrene	U	0.22	mg/Kgdrywt	1	.2	0.22
5-Alpha Androstane		63.2	%			
o-Terphenyl		56.2	%			
2-Fluorobiphenyl		57.6	%			
2-Bromonaphthalene		59.3	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-7
Client ID: SB (8')
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2128.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 86.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics	U	23	mg/Kgdrywt	1	20	23.
C9-C18 Aliphatics	U	23	mg/Kgdrywt	1	20	23.
C19-C36 Aliphatics	U	23	mg/Kgdrywt	1	20	23.
C11-C22 Aromatics	U	23	mg/Kgdrywt	1	20	23.
Naphthalene	U	0.23	mg/Kgdrywt	1	.2	0.23
2-Methylnaphthalene	U	0.23	mg/Kgdrywt	1	.2	0.23
Phenanthrene	U	0.23	mg/Kgdrywt	1	.2	0.23
Acenaphthylene	U	0.23	mg/Kgdrywt	1	.2	0.23
Acenaphthene	U	0.23	mg/Kgdrywt	1	.2	0.23
Anthracene	U	0.23	mg/Kgdrywt	1	.2	0.23
Benzo(a)anthracene	U	0.23	mg/Kgdrywt	1	.2	0.23
Benzo(a)pyrene		0.25	mg/Kgdrywt	1	.2	0.23
Benzo(b)fluoranthene	U	0.23	mg/Kgdrywt	1	.2	0.23
Benzo(g,h,i)perylene	U	0.23	mg/Kgdrywt	1	.2	0.23
Benzo(k)fluoranthene	U	0.23	mg/Kgdrywt	1	.2	0.23
Chrysene	U	0.23	mg/Kgdrywt	1	.2	0.23
Dibenzo(a,h)anthracene	U	0.23	mg/Kgdrywt	1	.2	0.23
Fluoranthene	U	0.23	mg/Kgdrywt	1	.2	0.23
Fluorene	U	0.23	mg/Kgdrywt	1	.2	0.23
Indeno(1,2,3-cd)pyrene	U	0.23	mg/Kgdrywt	1	.2	0.23
Pyrene	U	0.23	mg/Kgdrywt	1	.2	0.23
5-Alpha Androstane		50.8	%			
o-Terphenyl		53.7	%			
2-Fluorobiphenyl		54.7	%			
2-Bromonaphthalene		56.3	%			

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Report of Analytical Results

Client: Woodard & Curran
Lab ID: SI0947-8
Client ID: PIPE
Project: 1 India Street/ 228810
SDG: SI0947
Lab File ID: CIB2129.D

Sample Date: 12-FEB-15
Received Date: 13-FEB-15
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 18-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: 88.
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Unadjusted C11-C22 Aromatics		45	mg/Kgdrywt	1	20	21.
C9-C18 Aliphatics		120	mg/Kgdrywt	1	20	21.
C19-C36 Aliphatics		98	mg/Kgdrywt	1	20	21.
C11-C22 Aromatics		45	mg/Kgdrywt	1	20	21.
Naphthalene	U	0.21	mg/Kgdrywt	1	.2	0.21
2-Methylnaphthalene		0.22	mg/Kgdrywt	1	.2	0.21
Phenanthrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Acenaphthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(a)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(b)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(g,h,i)perylene	U	0.21	mg/Kgdrywt	1	.2	0.21
Benzo(k)fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Chrysene	U	0.21	mg/Kgdrywt	1	.2	0.21
Dibenzo(a,h)anthracene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluoranthene	U	0.21	mg/Kgdrywt	1	.2	0.21
Fluorene	U	0.21	mg/Kgdrywt	1	.2	0.21
Indeno(1,2,3-cd)pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
Pyrene	U	0.21	mg/Kgdrywt	1	.2	0.21
5-Alpha Androstane		41.7	%			
o-Terphenyl		41.0	%			
2-Fluorobiphenyl		57.1	%			
2-Bromonaphthalene		59.8	%			

600 Technology Way
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Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : 1 India Street/ 228810
Lab File ID : CIB1107.D
Instrument ID : GC12

SDG : SI0947
Lab Sample ID : WG158465-1
Date Analyzed : 17-FEB-15
Time Analyzed : 14:28
Date Extracted : 16-FEB-15

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG158465-2	CIB1108.D	02/17/15	15:13
Laboratory Control S	WG158465-3	CIB1109.D	02/17/15	15:59
NSW (4')	SI0947-1	CIB1124.D	02/18/15	03:12
SSW (4')	SI0947-2	CIB1125.D	02/18/15	03:57
SSW (4') DUP	SI0947-3	CIB1126.D	02/18/15	04:42
WSW (4')	SI0947-5	CIB1127.D	02/18/15	05:27
SB (8')	SI0947-7	CIB1128.D	02/18/15	06:12
PIPE	SI0947-8	CIB1129.D	02/18/15	06:57
NB (8')	SI0947-6	CIB1132.D	02/18/15	09:26
ESW (4')	SI0947-4	CIB1133.D	02/18/15	10:11

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : 1 India Street/ 228810
Lab File ID : CIB1107A.D
Instrument ID : GC12

SDG : SI0947
Lab Sample ID : WG158465-1
Date Analyzed : 17-FEB-15
Time Analyzed : 14:28
Date Extracted : 16-FEB-15

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG158465-2	CIB1108A.	02/17/15	15:13
Laboratory Control S	WG158465-3	CIB1109A.	02/17/15	15:59
NSW (4')	SI0947-1	CIB1124A.	02/18/15	03:12
SSW (4')	SI0947-2	CIB1125A.	02/18/15	03:57
SSW (4') DUP	SI0947-3	CIB1126A.	02/18/15	04:42
WSW (4')	SI0947-5	CIB1127A.	02/18/15	05:27
SB (8')	SI0947-7	CIB1128A.	02/18/15	06:12
PIPE	SI0947-8	CIB1129A.	02/18/15	06:57
NB (8')	SI0947-6	CIB1132A.	02/18/15	09:26
ESW (4')	SI0947-4	CIB1133A.	02/18/15	10:11

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : 1 India Street/ 228810
Lab File ID : CIB2107.D
Instrument ID : GC12

SDG : SI0947
Lab Sample ID : WG158465-1
Date Analyzed : 17-FEB-15
Time Analyzed : 14:28
Date Extracted : 16-FEB-15

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG158465-2	CIB2108.D	02/17/15	15:13
Laboratory Control S	WG158465-3	CIB2109.D	02/17/15	15:59
NSW (4')	SI0947-1	CIB2124.D	02/18/15	03:12
SSW (4')	SI0947-2	CIB2125.D	02/18/15	03:57
SSW (4') DUP	SI0947-3	CIB2126.D	02/18/15	04:42
WSW (4')	SI0947-5	CIB2127.D	02/18/15	05:27
SB (8')	SI0947-7	CIB2128.D	02/18/15	06:12
PIPE	SI0947-8	CIB2129.D	02/18/15	06:57
NB (8')	SI0947-6	CIB2132.D	02/18/15	09:26
ESW (4')	SI0947-4	CIB2133.D	02/18/15	10:11

Report of Analytical Results

Client:
Lab ID: WG158465-1
Client ID: Method Blank Sample
Project:
SDG: SI0947
Lab File ID: CIB2107.D

Sample Date:
Received Date:
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465

Analysis Date: 17-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: NA
Report Date: 19-FEB-15

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
C9-C18 Aliphatics	U	20	mg/Kgdrywt	1	20	20.
C19-C36 Aliphatics	U	20	mg/Kgdrywt	1	20	20.
C11-C22 Aromatics	U	20	mg/Kgdrywt	1	20	20.
Naphthalene	U	0.20	mg/Kgdrywt	1	.2	0.20
2-Methylnaphthalene	U	0.20	mg/Kgdrywt	1	.2	0.20
Phenanthrene	U	0.20	mg/Kgdrywt	1	.2	0.20
Acenaphthylene	U	0.20	mg/Kgdrywt	1	.2	0.20
Acenaphthene	U	0.20	mg/Kgdrywt	1	.2	0.20
Anthracene	U	0.20	mg/Kgdrywt	1	.2	0.20
Benzo(a)anthracene	U	0.20	mg/Kgdrywt	1	.2	0.20
Benzo(a)pyrene	U	0.20	mg/Kgdrywt	1	.2	0.20
Benzo(b)fluoranthene	U	0.20	mg/Kgdrywt	1	.2	0.20
Benzo(g,h,i)perylene	U	0.20	mg/Kgdrywt	1	.2	0.20
Benzo(k)fluoranthene	U	0.20	mg/Kgdrywt	1	.2	0.20
Chrysene	U	0.20	mg/Kgdrywt	1	.2	0.20
Dibenzo(a,h)anthracene	U	0.20	mg/Kgdrywt	1	.2	0.20
Fluoranthene	U	0.20	mg/Kgdrywt	1	.2	0.20
Fluorene	U	0.20	mg/Kgdrywt	1	.2	0.20
Indeno(1,2,3-cd)pyrene	U	0.20	mg/Kgdrywt	1	.2	0.20
Pyrene	U	0.20	mg/Kgdrywt	1	.2	0.20
5-Alpha Androstane		56.4	%			
o-Terphenyl		66.4	%			
2-Fluorobiphenyl		65.1	%			
2-Bromonaphthalene		66.6	%			

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LCS/LCSD Recovery Report

LCS ID: WG158465-2
LCSD ID: WG158465-3
Project:
SDG: SI0947
Report Date: 19-FEB-15
LCS File ID: CIB2108.D

Received Date:
Extract Date: 16-FEB-15
Extracted By: HG
Extraction Method: SW846 3546
Lab Prep Batch: WG158465
LCSD File ID: CIB1109.d

Analysis Date: 17-FEB-15
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Unadjusted C11-C22 Aromatics	153.	78.0	51.0	99.9	65.3	mg/Kgdrywt	25*	25	40-140
C9-C18 Aliphatics	54.0	28.5	52.8	26.7	49.4	mg/Kgdrywt	6	25	40-140
C19-C36 Aliphatics	72.0	43.7	60.7	39.9	55.4	mg/Kgdrywt	9	25	40-140
Naphthalene	9.00	4.14	46.0	5.22	58.0	mg/Kgdrywt	23	25	40-140
2-Methylnaphthalene	9.00	4.21	46.8	5.31	59.0	mg/Kgdrywt	23	25	40-140
Phenanthrene	9.00	4.28	47.6	5.44	60.4	mg/Kgdrywt	24	25	40-140
Acenaphthylene	9.00	4.19	46.6	5.32	59.1	mg/Kgdrywt	24	25	40-140
Acenaphthene	9.00	4.11	45.7	5.25	58.3	mg/Kgdrywt	24	25	40-140
Anthracene	9.00	4.96	55.1	6.27	69.7	mg/Kgdrywt	23	25	40-140
Benzo(a)anthracene	9.00	4.88	54.2	6.25	69.4	mg/Kgdrywt	25*	25	40-140
Benzo(a)pyrene	9.00	4.87	54.1	6.25	69.4	mg/Kgdrywt	25*	25	40-140
Benzo(b)fluoranthene	9.00	4.70	52.2	6.34	70.4	mg/Kgdrywt	30*	25	40-140
Benzo(g,h,i)perylene	9.00	4.76	52.9	6.13	68.1	mg/Kgdrywt	25*	25	40-140
Benzo(k)fluoranthene	9.00	4.65	51.7	5.64	62.7	mg/Kgdrywt	19	25	40-140
Chrysene	9.00	4.74	52.7	6.06	67.3	mg/Kgdrywt	24	25	40-140
Dibenzo(a,h)anthracene	9.00	4.66	51.8	6.17	68.6	mg/Kgdrywt	28*	25	40-140
Fluoranthene	9.00	4.69	52.1	5.97	66.3	mg/Kgdrywt	24	25	40-140
Fluorene	9.00	4.14	46.0	5.30	58.9	mg/Kgdrywt	24	25	40-140
Indeno(1,2,3-cd)pyrene	9.00	4.64	51.6	5.84	64.9	mg/Kgdrywt	23	25	40-140
Pyrene	9.00	4.64	51.6	5.87	65.2	mg/Kgdrywt	23	25	40-140
5-Alpha Androstane			65.7		61.6				40-140
o-Terphenyl			58.8		76.1				40-140
2-Fluorobiphenyl			54.7		70.4				40-140
2-Bromonaphthalene			55.6		71.9				40-140

600 Technology Way
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http://www.katahdinlab.com

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-1
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
NSW (4')	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	94. %	1		SM2540G	WG158498	17-FEB-15 10:50:30	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-2
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
SSW (4')	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	94. %	1		SM2540G	WG158498	17-FEB-15 10:50:41	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-3
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
SSW (4') DUP	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	94. %	1		SM2540G	WG158498	17-FEB-15 10:50:51	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-4
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
ESW (4')	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	87. %	1		SM2540G	WG158498	17-FEB-15 10:51:01	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-5
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
WSW (4')	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	91. %	1		SM2540G	WG158498	17-FEB-15 10:51:12	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-6
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
NB (8')	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	89. %	1		SM2540G	WG158498	17-FEB-15 10:51:20	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-7
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
SB (8')	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	86. %	1		SM2540G	WG158498	17-FEB-15 10:51:30	SM2540G	16-FEB-15	AZ	

Report of Analytical Results

Client: Clare Tochilin
Woodard & Curran
41 Hutchins Drive
Portland,ME 04102

Lab Sample ID: SI0947-8
Report Date: 20-FEB-15
Client PO: 228810
Project: 1 India Street/ 228810
SDG: SI0947

Sample Description	Matrix	Date Sampled	Date Received
PIPE	SL	12-FEB-15 15:45:00	13-FEB-15

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	88. %	1		SM2540G	WG158498	17-FEB-15 10:51:50	SM2540G	16-FEB-15	AZ	

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG158498	SM2540	17-FEB-15	16-FEB-15	U 1 %	1 %

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG158498-2	LCS	WG158498	17-FEB-15	16-FEB-15	%	90	90.	100	90-110	

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: Woodard & Curran	KAS PM: ~~DJO~~	Sampled By: Client
Project:	KIMS Entry By: GN	Delivered By: KAS
KAS Work Order#: SI0947	KIMS Review By:	Received By: AP
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 2/13/15 1300

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		/			
2. Chain of Custody present in cooler?	/				
3. Chain of Custody signed by client?	/				
4. Chain of Custody matches samples?	/				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	/				Temp (°C): 3.3
Samples received at <6 °C w/o freezing?	/				Note: Not required for metals analysis.
Ice packs or ice present?		/			The lack of ice or ice packs (i.e. no attempt to begin cooling process) or insufficient ice may not meet certain regulatory requirements and may invalidate certain data.
If yes, was there sufficient ice to meet temperature requirements?				/	
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				/	Note: No cooling process required for metals analysis.
6. Volatiles: **Aqueous:** No bubble larger than a pea?				/	
Soil/Sediment: Received in airtight container?				/	
Received in methanol?				/	
Methanol covering soil?				/	
D.I. Water - Received within 48 hour HT?				/	
Air: Refer to KAS COC for canister/flow controller requirements.	√ if air included				
7. Trip Blank present in cooler?				/	
8. Proper sample containers and volume?	/				
9. Samples within hold time upon receipt?	/				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				/	
Sulfide - >9				/	
Cyanide – pH >12				/	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Woodard & Curran	Jedd Stenglass	(207) 774-2112	( )

Address	City	State	Zip Code
41 Hutchins Drive	Portland	ME	04102

Purchase Order # | Proj. Name / No. 1 India Street / 228810 | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) Clare Tochilin / Clare Tochilin | Copies To:

LAB USE ONLY | WORK ORDER #: SI0947

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

★	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ☐Y ☒N — H07
	NSW (4')	2/12/15 / 1545	SOIL	1	✓
	SSW (4')	2/12/15 / 1545	SOIL	1	✓
	SSW (4') DUP	2/12/15 / 1545	SOIL	1	✓
	ESW (4')	2/12/15 / 1545	SOIL	1	✓
	WSW (4')	2/12/15 / 1545	SOIL	1	✓
	NB (8')	2/12/15 / 1545	SOIL	1	✓
	SB (8')	2/12/15 / 1545	SOIL	1	✓
	Pipe	2/12/15 / 1545	SOIL	1	✓
		/			
		/			
		/			
		/			
		/			
		/			
		/			
		/			

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Clare Tochilin	2/12/15 1740				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Feb. 13, 2015
03:33 PM

Login Number: SI0947

Account: WOODAR001
Woodard & Curran

Project:

Web

Quote/Incoming:

Primary Report Address:
Clare Tochilin
Woodard & Curran
41 Hutchins Drive

Portland,ME 04102
ctochilin@woodardcurran.com

Primary Invoice Address:
Accounts Payable
Woodard & Curran
41 Hutchins Drive

Portland,ME 04102

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	ME EGAD. Merged results.
CHECK NO.	:	
CLIENT PO#	:	228810
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	3.3
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS064QC-XLS
LOGIN INITIALS	:	AP
PM	:	JO
PROJECT NAME	:	1 India Street/ 228810
QC LEVEL	:	II
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Email pdf and EDD, no hc.
SDG ID	:	
SDG STATUS	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-1	NSW (4')	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-2	SSW (4')	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-3	SSW (4') DUP	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-4	ESW (4')	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-5	WSW (4')	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-6	NB (8')	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-7	SB (8')	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

02-13-15

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Feb. 13, 2015

03:33 PM

Login Number: SI0947

Quote/Incoming:

Account: WOODAR001
Woodard & Curran

Web

Project:

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0947-8	PIPE	12-FEB-15 15:45	13-FEB-15			25-FEB-15	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	MA-EPH	26-FEB-15	100g Glass		
Solid	S	TS	14-MAR-15			

Total Samples: *8* ***Total Analyses:*** *16*

02.13.15

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COMMITMENT & INTEGRITY DRIVE RESULTS