

UNDERGROUND STORAGE TANK REMOVAL AND SITE ASSESSMENT REPORT

5400 Airport Way South
Seattle, Washington

Prepared for:

Kelly-Moore Paint Company, Inc.
San Carlos, California

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Project No. 0146970060

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UNDERGROUND STORAGE TANK REMOVAL AND SITE ASSESSMENT REPORT

5400 Airport Way South
Seattle, Washington

1.0 INTRODUCTION

This underground storage tank (UST) removal and site assessment report summarizes the discovery and decommissioning of a UST at the NCD – Georgetown LLC (New Core) property (the site), formerly owned by Kelly-Moore Paint Company, Inc. (Kelly-Moore), located at 5400 Airport Way South in Seattle, Washington (Figure 1). The UST was discovered on June 17, 2015, during excavation work associated with soil vapor extraction piping installation at the site. The UST was a riveted single-walled steel tank with a capacity of approximately 500 gallons. Figures 2 and 3 show the site features, including the location of the UST prior to removal and the approximate soil sampling locations.

The UST was removed by IO Environmental and Infrastructure, Inc. (IO), of Bellevue, Washington, on June 18, 2015. Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), oversaw the removal of the UST and performed the UST decommissioning site assessment.

1.1 PURPOSE OF THIS REPORT

Amec Foster Wheeler provided oversight of the removal activities and collected soil samples as part of a site assessment as required by the Washington State Department of Ecology (Ecology) per Washington Administrative Code (WAC) 173-360-390. The purpose of this report is to document the activities associated with UST removal, confirmation soil sampling, and site assessment according to Ecology regulations.

1.2 PHYSICAL SETTING

The site is located northeast of the intersection of South Lucile Street and Airport Way South, in the Georgetown neighborhood of Seattle, Washington (Figure 1). The site is bordered on the north and east by BNSF Railway Company tracks, on the west by Airport Way South and the Airport Way South overpass, and on the south by a brewery.



1.3 BACKGROUND

The site has served a variety of industrial uses since the early 1900s. The site was previously owned by Kelly-Moore and other industrial owners and, most recently, used as a paint manufacturing facility. Kelly-Moore discontinued paint production activities at the site in 2008, and sold the site to New Core in 2014. Pursuant to the terms of that sale, Kelly-Moore continues to address certain aspects of the ongoing remediation at the site. The site is currently enrolled in Ecology's Voluntary Cleanup Program (VCP) for remediation (VCP number NW2305) and remediation is ongoing. Available records indicate that at least 34 USTs have been removed from the site since the mid-1980s (AMEC Geomatrix, 2009 and 2011). Soil and groundwater contamination, consistent with past industrial usage of the property, have been documented across the site.

This report fulfills reporting requirements for the site assessment associated with the discovery and decommissioning of the UST.

2.0 UST DECOMMISSIONING AND CLOSURE METHODS

This section of the report describes the UST decommissioning and closure methods used at the site.

2.1 DISCOVERY AND NOTIFICATIONS

Prior to the discovery of the UST, trenching was being conducted to allow for installation of piping for a soil vapor extraction remediation system.

The UST was discovered on June 17, 2015. Ecology UST staff were immediately notified via telephone. On the same day, additional information was sent to Mr. Andrew Imke of Ecology regarding property and UST ownership, including details on the construction and capacity of the tank, the Site Assessor/Professional Engineer number of the Amec Foster Wheeler field supervisor, and the UST Decommissioning license number for IO field supervisor. Due to the unplanned nature of the UST discovery, Mr. Imke granted a waiver of the 30-day waiting period normally required prior to decommissioning a UST. A copy of the waiver of the 30-day notice requirements is included in Appendix A.

Prior to February 2015, a building was located above the UST (Figure 2). Because the UST was riveted and riveted tanks were banned in 1943, the tank is assumed to have been placed prior to 1943 and to predate the buildings constructed above it. There was a fill pipe connected to the UST that rose to approximately four feet below ground surface. Soil surrounding the tank was a sandy fill material with creosote timbers mixed in the fill. The timbers were removed from the fill prior to backfill.

Because the tank was inadvertently hit by the excavator, the tank was dislodged and was partially damaged. Upon inspection, the tank was approximately half full of fluid, which was visible through a hole in the top of the tank. The fluid in the tank appeared to be groundwater, and some of it was observed leaking through rusted pin holes in the lower portion of the tank walls. A sample of the fluid was collected (as detailed in Section 3.1) from the excavation by Ingenium, a waste management company based in Kent, Washington. To prevent further releases from the tank, the tank fluid was pumped out by Marine Vacuum Services, Inc. and placed into a poly tank for holding while the fluid was characterized. After characterization of the fluid, Ingenium pumped the fluid from the holding tank into totes for shipment. The totes were labeled and hauled off site for disposal on July 6, 2015. Copies of the disposal records will be provided under separate cover.

2.2 UST CLOSURE METHODS

IO was on site when the tank was discovered and was contracted to remove the UST permanently. IO obtained a tank decommissioning permit from the Seattle Fire Department (Appendix B). The tank



was triple-rinsed by Marine Vacuum Services, Inc., and certified safe for excavation, transport, and demolition by Northwest Marine Chemist, Inc. A copy of the pump and rinse certificate is included in Appendix C, and a copy of the Marine Chemist Certification is included in Appendix D.

The tank was rinsed and certified safe for removal by the Marine Chemist on June 17, 2015. The Seattle Fire Department Fire Marshall signed off on the removal permit (Appendix B) on June 18, 2015, and the tank was removed from the ground and placed on plastic sheeting for holding. The tank was loaded onto a truck for transport to a recycling facility on June 26, 2015. A copy of the tank destruction record is included in Appendix E.

Selected site photographs are included in Appendix F.

3.0 SOIL EXCAVATION, SAMPLING, AND BACKFILLING

The following sections describe soil excavation and sampling activities in the area of the UST.

3.1 TANK FLUID SAMPLING

Upon discovery of the UST, samples of the UST contents were collected. The project engineer deemed that sampling from the excavator bucket was the safest method of collecting tank fluids. Fluid from the UST that had pooled in the base of the excavation was scooped out by the excavator bucket for sampling and the sample was collected directly from the bucket. No free product was observed. The water sample contained constituents similar to constituents in site soils, but did not contain benzene. Results from the UST water sample are summarized in Table 1.

3.2 UST EXCAVATION AND CONFIRMATION SOIL SAMPLING

Shortly after the UST was removed and placed onto the plastic sheeting, soil sample TANK2-SOIL-B1-9.5 was taken from directly beneath the former tank location. Sidewall samples were collected from three of the excavation sidewalls once the tank removal was complete (Figure 3). There was no northern sidewall sample since the UST was found during the trenching and no northern sidewall existed. The general naming scheme for the samples begins with a prefix, "TANK2-SOIL" to indicate the soil samples were collected in the vicinity of the UST. Next the samples were identified with either a "B" representing a bottom sample, or "S" representing a sidewall sample, and the number of each type of sample. Lastly, each sample was also identified by its depth in feet below ground surface. Thus, sample 'TANK2-SOIL-S1-5' was the first sidewall sample collected in the former UST area from a depth of 5.0 feet below ground surface. No further soil excavation occurred. Soil contamination in the vicinity of the excavation will be further addressed in connection with the ongoing remedial activity at the site.

Soil samples were analyzed for total petroleum hydrocarbons as gasoline and diesel (TPH-G and TPH-D), as well as for volatile organic compounds (Table 2). Results indicate the samples contained TPH-G and TPH-D above proposed cleanup levels for the site (AMEC Geomatrix, 2011). TPH-G and TPH-D were detected at 2,700 and 2,100 milligrams per kilogram (mg/kg), respectively, in the bottom sample. Sidewall soil samples had results similar to the bottom sample, with the exception of TANK2-SOIL-S1-5, which contained benzene at 0.22 mg/kg. Samples TANK2-SOIL-B1-9.5 and TANK2-SOIL-S3-5 exceeded the site cleanup levels for TPH-G and TPH-D. Sample TANK2-SOIL-S3-5 also exceeded the cleanup level for m,p-xylene and naphthalene. Sample TANK2-SOIL-S1-5 exceeded the site cleanup levels for TPH-G and benzene.



The soils samples were generally consistent with site constituents of concern. It is unknown, therefore, whether the source of the contamination observed in the soil samples was from the UST or another, unknown source. Other constituents analyzed were either not detected at the laboratory reporting limit, or were detected at concentrations below cleanup levels established for the site. Results of soil samples collected from the vicinity of the UST are summarized in Table 2. Laboratory reports are included in Appendix G.

3.3 BACKFILLING

The excavation was backfilled by IO on June 19, 2015, in 12-inch lifts with a minimum of 90 percent compaction as confirmed by a nuclear density gauge.

3.4 SITE ASSESSMENT CHECKLIST

Amec Foster Wheeler completed a site assessment checklist, as required by Ecology. The forms are included in Appendix H.

3.5 PERMANENT CLOSURE NOTICE

Amec Foster Wheeler completed a permanent closure notice, as required by Ecology. The forms are included in Appendix I.

4.0 CONCLUSIONS

This report documents the removal of a single-walled UST with a capacity of approximately 500 gallons from the site at 5400 Airport Way South in Seattle, Washington. The work was conducted in compliance with WAC 173-360-385 and 173-360-390. The tank was discovered during excavation work as part of a soil vapor extraction remediation system installation. Previous contents of the UST are unknown. The UST removal and confirmation soil sampling can be summarized as follows:

- One approximately 500-gallon UST was removed from the site on June 18, 2015.
- Petroleum-contaminated soil was present in the area around the UST; however, it is unknown whether the source of contamination was from the UST or some other source.
- Soil sample TANK2-SOIL-B1-9.5 exceeded cleanup levels established for the site for TPH-D and TPH-G.
- Soil sample TANK2-SOIL-S1-5 exceeded cleanup levels established for the site for TPH-G and benzene.
- Soil sample TANK2-SOIL-S2-5 did not exceed cleanup levels established for the site for any analytes.
- Soil sample TANK2-SOIL-S3-5 exceeded cleanup levels established for the site for TPH-D, TPH-G, m, p-xylene, and naphthalene.

Contamination at the site is already well documented, and the potential contribution from the UST is unknown, but likely to be minimal in comparison with sampling results from other areas of the site. Remediation at the site is ongoing and the site is already part of Ecology's VCP program (VCP number NW2305).



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5.0 REFERENCES

- AMEC Geomatrix, Inc. (AMEC Geomatrix). 2009. Limited Phase II Environmental Site Assessment Report, Former Kelly-Moore Manufacturing Facility, Seattle, Washington, November.
- AMEC Geomatrix. 2010. Underground Storage Tank Decommissioning Report, Former Kelly-Moore Manufacturing Facility, Seattle, Washington. February.
- AMEC Geomatrix. 2011. Remedial Investigation and Feasibility Study, Former Kelly-Moore Manufacturing Facility, Seattle, Washington, October.



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TABLES

TABLE 1

WATER SAMPLING RESULTS SUMMARY^{1, 2}

5400 Airport Way South
Seattle, Washington

All concentrations in milligrams/kilogram (mg/kg).

| Sample Name | Sample Date | TPH | | | n-Butylbenzene | Isopropylbenzene | p - Isopropyltoluene | Toluene | Benzene | Ethylbenzene | m,p-Xylene | o-Xylene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | N-Propylbenzene | Naphthalene |
|-------------|-------------|---------|----------|----------|----------------|------------------|----------------------|---------|---------|--------------|------------|----------|------------------------|------------------------|-----------------|-------------|
| | | Diesel | Lube Oil | Gasoline | | | | | | | | | | | | |
| KMUNKNOWN1 | 06/17/15 | 2,200 U | 4,300 U | 2,300 | 0.52 | 0.39 | 0.3 | 0.15 | 0.016 U | 2.7 | 5.30 | 0.99 | 1.2 | 0.2 | 0.52 | 4.8 |

Notes

1. Data qualifiers are as follows:

U = analyte not detected at or above laboratory reporting limit indicated.

2. For full results, see lab report in Appendix G.

Abbreviations

TPH = total petroleum hydrocarbons

TABLE 2

SOIL SAMPLING RESULTS SUMMARY ^{1, 2, 3}

5400 Airport Way South
Seattle, Washington

All concentrations in milligrams per kilogram (mg/kg).

| Sample Location | Depth (feet bgs) | Sample Date | TPH | | | Benzene | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | Naphthalene |
|----------------------------|---------------------|-------------|--------------|----------|-----------------|-------------|----------|--------------|------------|----------|-------------|
| | | | Diesel | Lube Oil | Gasoline | | | | | | |
| Cleanup Level ⁴ | | | 2,000 | 2,000 | 30 ⁵ | 0.004 | 4.65 | 6.05 | 13.5 | 322 | 4.46 |
| TANK2-SOIL-B1-9.5 | 9.5 | 06/18/15 | 2,100 | 280 | 2,700 | 0.34 U | 1.7 U | 0.34 U | 0.68 U | 0.34 U | 0.34 U |
| TANK2-SOIL-S1-5 | 5.0 | 06/22/15 | 560 | 280 | 520 | 0.22 | 0.49 | 1.2 | 6.6 | 0.44 | 0.85 |
| TANK2-SOIL-S2-5 | 5.0 | 06/22/15 | 94 | 72 | 5.3U | 0.0012 U | 0.0058 U | 0.053 | 0.26 | 0.0012 U | 0.048 U |
| TANK2-SOIL-S3-5 | 5.0 | 06/22/15 | 2,600 | 850 | 2,000 | 0.052 U | 0.26 U | 4.3 | 140 | 30 | 9.1 |

Notes

1. Data qualifiers are as follows:

U = analyte not detected at or above laboratory reporting limit indicated.

2. **Bold** values exceed cleanup level.

3. For full results, see lab report in Appendix G.

4. Cleanup levels obtained from Remedial Investigation and Feasibility Study (AMEC Geomatrix, 2011).

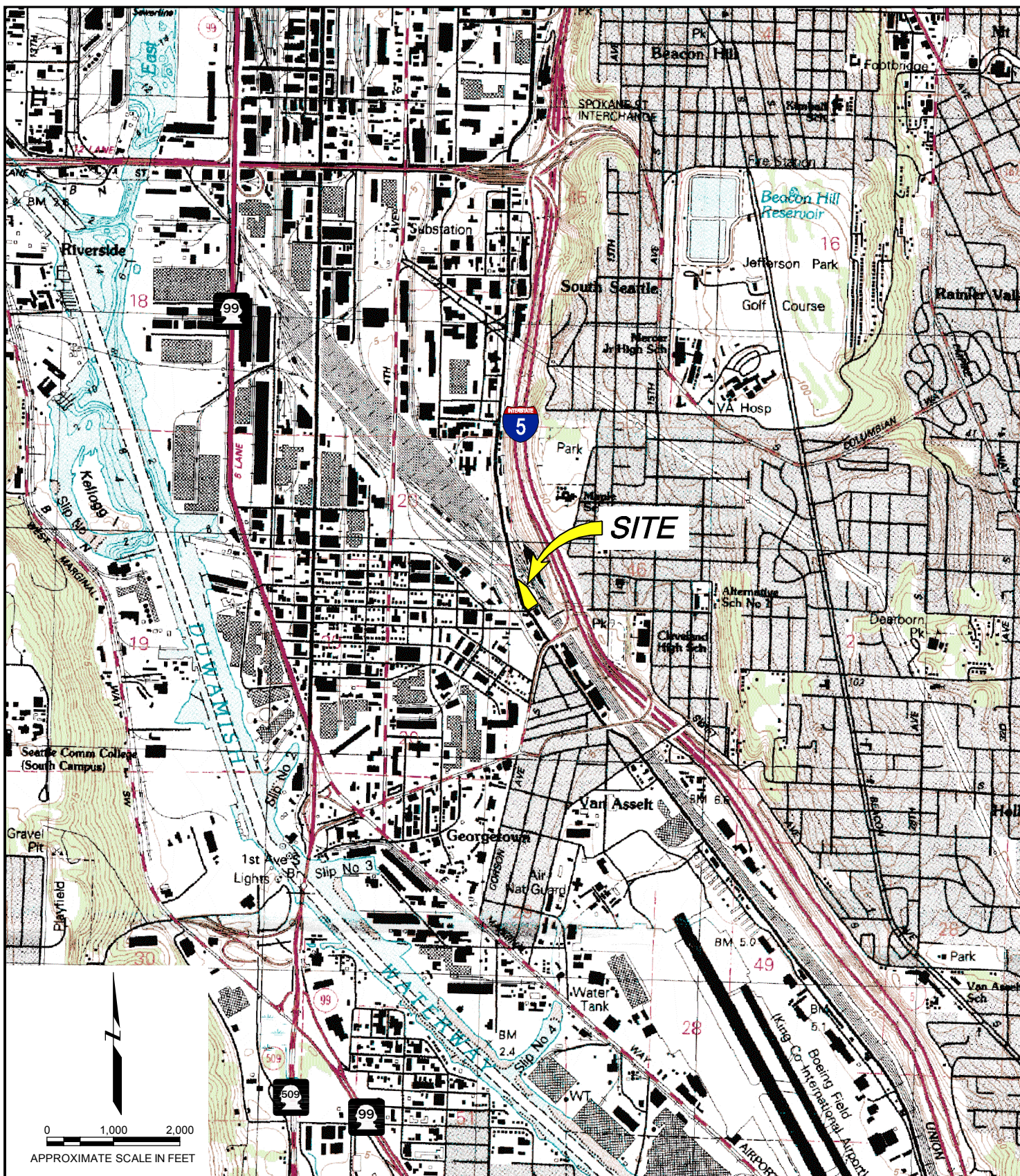
5. If benzene is present.


Abbreviations

bgs = below ground surface

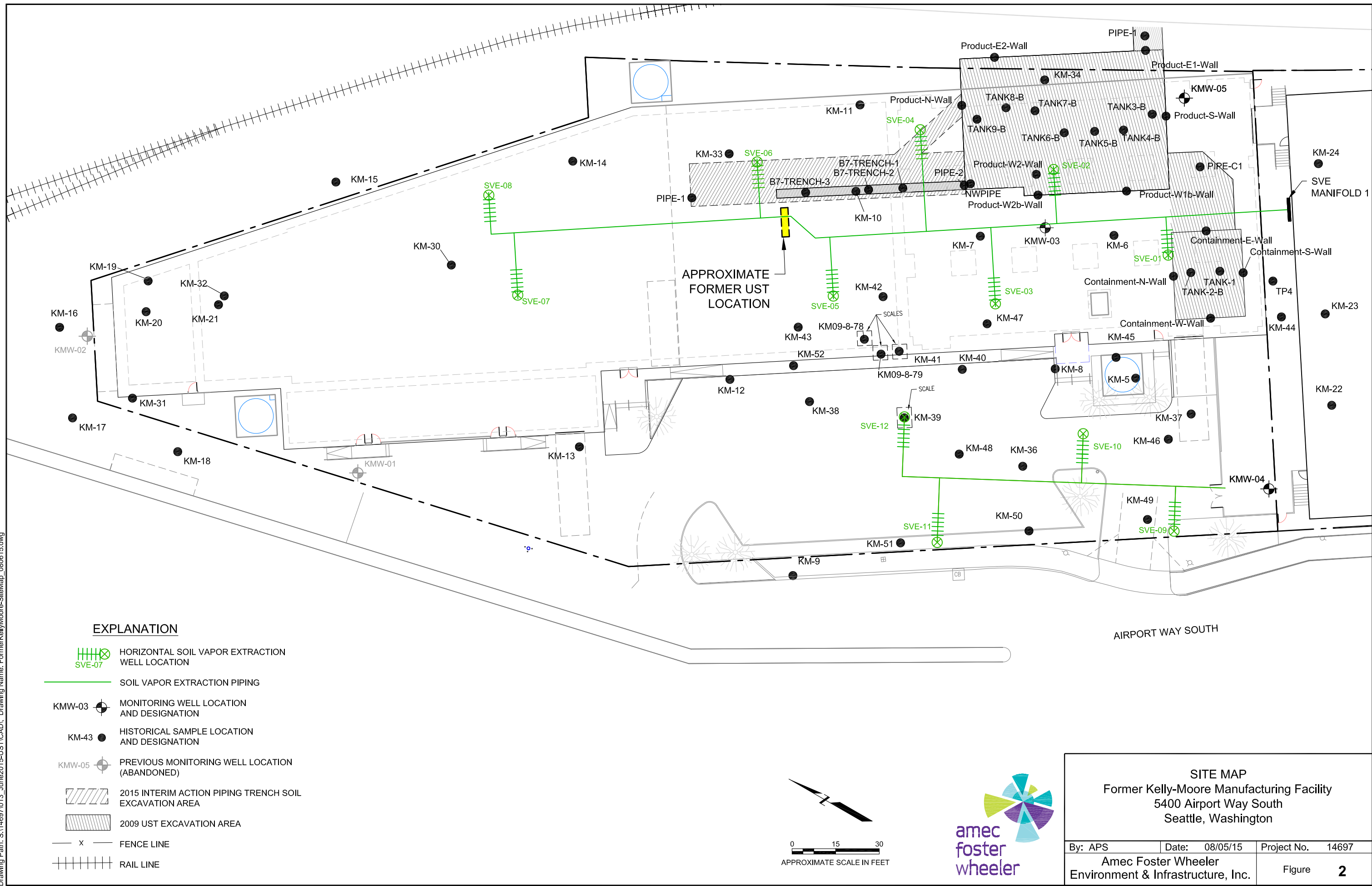
TPH = total petroleum hydrocarbons

FIGURES

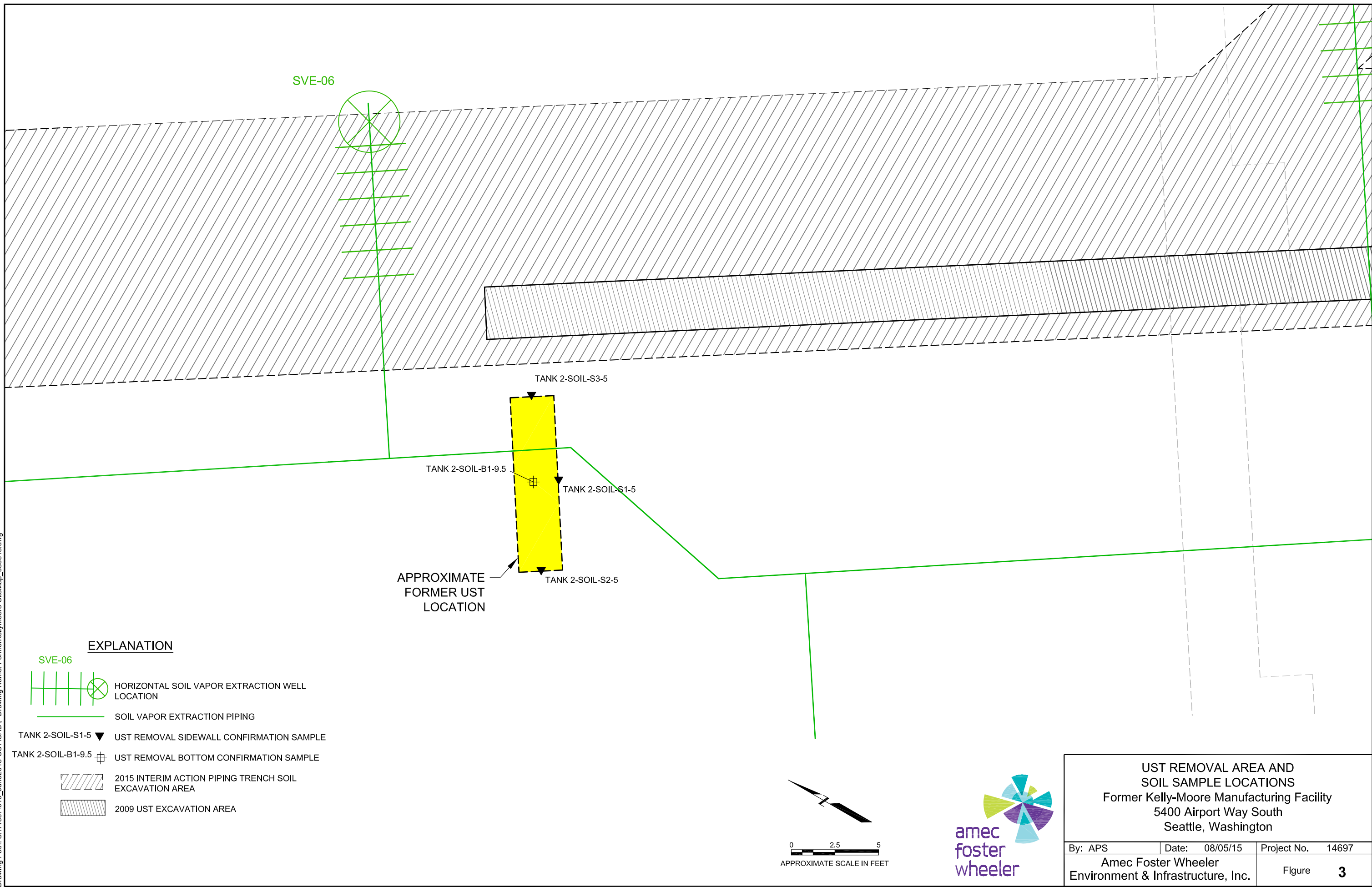


| | | | | |
|--|--|---|---|-------------|
| CLIENT | |  amec foster wheeler | PROJECT | DATE |
| Former Kelly-Moore Manufacturing Facility | | | 5410 Airport Way South Seattle, Washington | MAY 2015 |
| Amec Foster Wheeler Environment & Infrastructure, Inc. 600 University Street, Suite 600 Seattle, WA 98101 | | | TITLE | SCALE |
| | | SITE LOCATION | | AS SHOWN |
| | | | | PROJECT NO. |
| | | | | 16110 |
| | | | | FIGURE |
| | | | | 1 |

Plot Date: 08/05/15 - 8:58am. Plotted by: adam.stenberg
Drawing Path: S:\14697\013_June2015-UST\CAD\ Drawing Name: FormerKellyMoore-SiteMap_080615.dwg

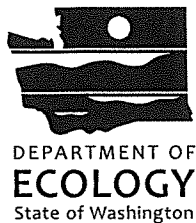


Plot Date: 08/05/15 - 8:53am, Plotted by: adam.stenberg
Drawing Path: S:\14697\013_June2015-UST\CAD\ Drawing Name: FormerKellyMoore-SiteMap_080615.dwg



APPENDIX A

Waiver of 30-day Notice Requirement



UNDERGROUND STORAGE TANK (UST)

30-DAY NOTICE

(See back of form for instructions)

FOR OFFICE USE ONLY

Site ID # _____

FS ID # _____

Please ✓ the appropriate box:

☐ Intent
to Install

☒ Intent
to Close

HQ (360)407-7170 / Central (509)575-2490 / Eastern (509)329-3400 / Northwest (425)649-7000 / Southwest (360)407-6300

SITE INFORMATION

OWNER INFORMATION

(this form will be returned to this address)

Unknown

Dan Jenkins

Tag or UBI number
Kelly Moore Paint

UST Owner/Operator
11112 Rainier Ave S

Site Name
5400 Airport Way South

Mailing Address/PO Box
Seattle 98178

Site Physical Address
Seattle 98108

City
206-679-8568 Zip Code

City
Trevor Louviere 425-785-6322

Owner/Operator Phone Number
dan@newcoredevelopment.com

Site Phone Number

Owner/Operator Email Address

TANK INFORMATION

| Tank ID | Substance Stored | Capacity | Date Project is Expected to Begin | Comments: |
|---------|---------------------|--------------|--------------------------------------|--|
| None | Unkown | ~500 gallons | 6/17/2015 | Contents mostly water with some sheen, tank sampled on 6/17/15, tank leaking to subsurface contents pumped to poly tank on 6/17/15. |
| | | | | |
| | | | | |
| | | | | |

1) SERVICE PROVIDER INFORMATION - check the appropriate boxes

PLEASE NOTE: INDIVIDUALS PERFORMING UST SERVICES MUST BE ICC CERTIFIED OR HAVE
PASSED ANOTHER QUALIFYING EXAM APPROVED BY THE DEPARTMENT OF ECOLOGY.

☐ Installer ☒ Decommissioner ☐ Site Assessor
IO Environmental and Infrastructure, Inc.

Scot Overdick

Service Provider Company Name

Contact Person

Certified Service Provider Name
8178938

Contact Phone Number
scoto@iosdv.com

ICC Certification #

Contact Email Address

2) SERVICE PROVIDER INFORMATION (REQUIRED IF USING MORE THAN ONE PROVIDER) - check the appropriate boxes

☐ Installer ☐ Decommissioner ☒ Site Assessor
Amec Foster Wheeler Environment and Infrastructure

Trevor Louviere

Service Provider Company Name

Contact Person
425-785-6322

Certified Service Provider Name
WA PE # 52664

Contact Phone Number
trevor.louviere@amec.com

ICC Certification #

Contact Email Address



DEPARTMENT OF
ECOLOGY
State of Washington

Request to Waive 30 Day Waiting Period

****To be completed by Person Submitting Request****

UST ID # (if known): Unknown

Full Site Address: 5400 Airport Way South, Seattle WA 98108

Owner/ Operator: NCD Georgetown, LLC. Dan Jenkins

Contact Phone #: 206-679-8568

Waiver Requested for 30 Day Notice to:

(Circle one or both)

DECOMMISSION

INSTALL

Person and Company Submitting Request: Patrick Hsieh, PE, Amec Foster Wheeler

Contact phone #: 206-549-9015

Reason for Submitting Request:
(Circle all that apply)

ENVIRONMENTAL HAZARD

HEALTH HAZARD

OTHER

Explain Reason: A tank was unexpectedly found during an excavation onsite. Unknown fluid leaking from tank into subsurface.

Date Request Submitted: 06/17/15

Date and Time of Construction: 06/17/15 1:00 PM

| For all that apply | Name | Contact Phone Number | ICC Certification Number |
|--------------------|----------------|----------------------|--------------------------|
| INSTALLER | | | |
| DECOMMISSIONER | Scot Overdick | 425-417-5344 | 817-8938 |
| SITE ASSESSOR | Trevor Louvier | 425-785-6322 | WA PE 52664 |

WAVIER GRANTED

WAIVER DENIED

Inspector: Antony Leo

Signature and Date: [Signature] 17 June 15

****DECOMMISSIONER(S) SHALL HAVE A COPY OF 30 DAY NOTICE AND A COPY OF THE WAIVER REQUEST FORM ON SITE DURING ALL DECOMMISSIONING RELATED ACTIONS *****

APPENDIX B

Seattle Fire Department UST Decommissioning Permit

Thurs 6/18/15 @ 2pm

RECEIVED

JUN 17 2015

PERMIT SECTION

Your
Seattle
Fire Department



APPLICATION FOR TEMPORARY PERMIT

Code 7908

Commercial Tank Removal/Decommissioning

Permit Fee: \$218.00

Date Issued: 6/18/2015

Tank(s) must be removed from site on the same day as permit is issued!

TO BE COMPLETED BY PERMIT APPLICANT

| | | |
|---|---------------------|--|
| FIRM NAME IO Environmental and Infrastructure, Inc | | |
| MAILING ADDRESS 14734 NE 95th Street | | SUITE |
| CITY Redmond | STATE WA | ZIP 98052 |
| JOBSITE ADDRESS 5400 Airport Way South, Seattle, WA | | |
| CONTACT PERSON Scot Overdick | | PHONE NUMBER (425-417-5344 |
| Number of Tank(s): 1 | Tank Size(s): 1,000 | <input type="checkbox"/> Aboveground tank |
| Product(s) Previously Contained: Heating Oil | | <input checked="" type="checkbox"/> Underground tank |
| <input checked="" type="checkbox"/> Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents) | | |
| <input type="checkbox"/> Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns) | | |
| Hot work being conducted: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, a separate hot work permit is required) | | |

Permit applications may be submitted in person weekdays from 8:00 a.m. to 5:00 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office - Permits
220 Third Ave S, 2nd Floor
Seattle, WA 98104-2608

To pay with a Visa or Master Card: Fax or email this application
THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT
Tel: (206) 386-1450 / Fax: (206) 386-1348
E-mail: permits@seattle.gov

Call 386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment.

TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION

NO HOT WORK IS ALLOWED ON A TANK SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!

Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, federal, state and local regulations. **THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED**

Special permit conditions: Tank removal/decommissioning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-600)

OK FOR TANK REMOVAL. FOLLOW PERMIT CONDITIONS

| | | | |
|-------------------------|-------------------------------------|---------------------|--|
| FMO USE: | | APPROVED BY: | |
| Check No.: 5-247813 | Inspector: JOHN LOUDERBLOK | SFD ID# 1077 | |
| Receipt No.: 4773061715 | Name of Marine Chemist: GEORGE SCOF | Certificate # 657 | |
| Application ID#: 101537 | Date: 6/18/2015 | | |

COMMERCIAL TANK REMOVAL/DECOMMISSIONING PERMIT CONDITIONS

1. Two (2) portable fire extinguishers each having a minimum rating of 40 BC shall be on site within 50 feet of the operation. Fire extinguishers shall be inspected, approved and certified annually.
2. Rope or ribbon barricades located at least 10 feet from the tank shall surround every outdoor storage tank removal or decommissioning operation or the operation shall be enclosed in a fenced yard.
3. "No Smoking" signs shall be posted in readily visible locations.
4. No hot work is allowed on a tank system prior to issuance of this permit and the tank is certified "Safe for Hot Work" by a Certified Marine Chemist. Hot work means any activities involving riveting, welding, burning, brazing, soldering, heating, chopping, grinding, ripping, drilling, cutting with a chop saw or "Sawzall", abrasive blasting, use of powder-actuated tools or similar spark-producing operations, crushing or mechanically shearing to facilitate opening for cleaning, disposal, scrapping for recycling purposes.
5. A separate temporary Seattle Fire Department permit (Code 4913) or a validation number assigned in conjunction with an annual hot work permit (Code 4911 or 4912) is required prior to any hot work operations.
6. Permits may cover multiple tanks located at the same address. If additional tanks are to be removed or abandoned at later dates, separate permits shall be obtained. Each address location requires a separate permit application regardless of whether multiple address locations are physically next to one another.
7. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are Monday through Friday, 8:00 a.m. to 4:30 p.m.)
8. No excavation of an underground tank is permitted prior to inspection by the Seattle Fire Marshal's Office.
Exception: Removal of the top layer of asphalt or concrete only with no removal of dirt, pea gravel or soil over the underground storage tank. Further excavation may be allowed by a Seattle Fire Department Special Hazards Unit Inspector prior to the initial inspection depending on conditions and if the tank has been inerted by a Marine Chemist who is present on site. The name of the inspector and the time permission was given shall be made available at time of inspection.
9. Prior to inspection, to ensure tanks and connected piping are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tanks have been pumped and rinsed by an approved company. Product and rinse water must be disposed of in an approved manner.
10. For tanks being decommissioned in place that previously contained Class I liquids, a Certified Marine Chemist certificate must be issued and available on site for inspection certifying that the tank has been properly inerted prior to filling.
11. No tank shall be filled prior to an inspection by the Seattle Fire Marshal's Office.
12. Tanks being decommissioned in place must be filled with a lean concrete mixture. Filling with foam is prohibited.
13. A Marine Chemist's certificate verifying the tank has been properly inerted or is otherwise certified "Safe for Hot Work" shall be issued and available on site for inspection for each underground and aboveground tank being removed regardless of the product previously contained.
14. If tanks are being removed, the tanks' atmosphere must be inert using one of the following approved methods:
 - Dry ice (pellets or chunks of solid CO₂). Minimum 40 lbs per 1000 gallons of tank capacity is recommended.
 - Compressed CO₂ gas in cylinders (Note: This method may only be performed by a Certified Marine Chemist).
 - Purging with air (gas-freeing) using Venturi tube apparatus, with proper bonding and grounding and after the tank has been pumped and rinsed by an approved company.
15. A maximum reading of less than 6% of oxygen must be obtained prior to the removal of the tanks if CO₂ or another inert gas, as approved by the Marine Chemist, is used to inert the tank or, a reading of 0% LEL must be obtained prior to removal of the tank if the air-purging (Venturi air moving devices) method is used.
16. All local, state and federal regulations for confined space entry shall be complied with prior to entering an underground storage tank.
17. Tanks with baffles to prevent movement of liquid must be certified gas-freed or inerted by a Certified Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.
18. Tanks being removed must be removed from the site and relocated to a remote, approved facility on the same day that the permit is issued.
19. During the hot work operations, digging, excavating, hauling or transport of petroleum storage tanks that have not been cleaned and gas-freed, tanks must be inerted to less than 6% oxygen. All openings are to be cap closed and secured except for one 1/8" hole drilled through a cap. These tanks are to be sprayed painted with "INERTED, DO NOT ENTER" or "INERTED WITH CO₂, NOT SAFE FOR WORKERS".

APPENDIX C

UST Pump and Rinse Certificate

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR
CONTRACTORS LICENSE # MARINVS097JA

P.O. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: 500

Last Contents: UNKNOWN

Tank Location: Lucille & Airport way
Seattle, wa

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and ~~rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are NOT GAS FREE or NOT SAFE FOR HOT WORK.~~ Left on Site

Tank Owner: Kelly Moore Paint

Contractor: IOE

M.V.S. Representative: [Signature]

Date: 06.17.15

Notes:



TRIPLE RINSE CERTIFICATE

This document certifies that IO Environmental & Infrastructure Inc. performed a Triple Rinse of the Underground Storage Tank (UST) per Chapter 173-360 of the Revised Code of Washington (RCW) and International Code Council (ICC) and uniform Fire Code guidelines:

UST Name/Number: UST 2

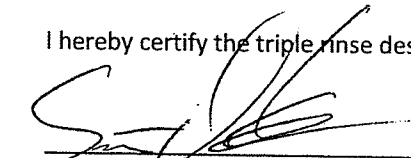
Address: 5400 AIRPORT WAY S
SEATTLE, WA


UST Size: 500 GAL

UST Contents: UNKNOWN

Date of Triple Rinse: 6-17-15

I hereby certify the triple rinse described above:


Signature


Printed Name

8178938
ICC Lic. #



APPENDIX D

Marine Chemist Tank Testing Certificate

George D Blair - Northwest Marine Chemist, Inc.
P. O. Box 7084, Tacoma, WA 98406
Office: 253-752-0149 Fax: 253-759-3523
Email: gbcmc637@gmail.com

MARINE CHEMIST CERTIFICATE



Serial 637-00446
Page 1 of 1

| | | |
|-----------------------|-----------------------------------|-----------------------------|
| I O Environmental | Kelly Moore | Jun 17, 2015 |
| Survey Requested by | Vessel Owner Agent | Date |
| Tank Farm | Underground Storage Tank | 5400 Airport Way |
| Vessel | Type of Vessel | Specific Location of Vessel |
| Unknown Oily Waste | O ₂ , LEL, Visual, VOC | 14:55 |
| Last Three 3 Loadings | Tests Performed | Time Survey Completed |

Inspected Spaces:

Group 1. 750 Gal. UST

Safety Designations:

ATMOSPHERE SAFE FOR WORKERS

SAFE FOR LIMITED HOT WORK

LIMITATIONS:

Specific Location: *At job site.*

Hot Work Type: *This tank has been triple rinsed free of running liquid residue, flammable vapors and liquids, and is safe for excavation and transportation.*

Instructions

Maintain firewatch with charged extinguisher at ready during hot work operations.

Test Results

| | % O ₂ | % LEL | VOC |
|--------------------------|------------------|-------|------|
| Inspected spaces group 1 | 20.8% | <1% | 20.5 |

Limits of Detection

0.1 ppm VOC

In the event of physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, this certificate is voided; spaces not listed on the Certificate are not to be entered unless authorized on another Certificate and/or maintained in accordance with OSHA 29 CFR 1915; or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. Unless otherwise stated on the Certificate, all spaces and affected adjacent spaces are to be reinspected daily or more often as necessary by the competent person or the authority having jurisdiction as applicable in support of work prior to entry or recommencement of work.

QUALIFICATIONS: Transfer of ballast, cargo, fuel or manipulation of valves or closure equipment tending to alter conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for spaces so affected. All lines, vents, heating coils, valves, and similar enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shifting of the vessel within the facility has been specifically authorized on this certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFP 306, Subsections 4.3.1 through 4.3.6)

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated (a) the oxygen content of the atmosphere shall be at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere associated with cargo, fuel, tank coatings, inerting mediums, or fumigants are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry shall not be permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not be capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire; or they are inerted. Ship's fuel tanks, lube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated (a) portions of the space meet the requirements Safe for Hot Work and Partial Cleaning, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations; (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable; and the nature or type of hot work shall be limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot is not permitted.

CHEMISTS ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under NFPA 306 and understands conditions and limitations under which it was issued, and the requirements for maintaining its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

APPENDIX E

Tank Destruction Record

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P.O. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

STORAGE TANK

CERTIFICATE OF DESTRUCTION

DATE: 7/8/15 DOS: 6/26/15

TANK OWNER: 10 Environmental

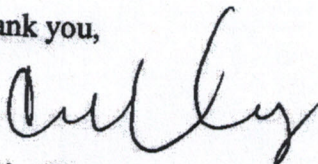
TANK LOCATION: 5400 Airport Ways. Seattle

TANK DESCRIPTION: 500 gal. UST

LAST CONTENTS HELD IN TANKS: unknown

Marine Vacuum Service, Inc certifies that the tank mentioned above was pumped of all liquid materials and washed clean with a high-pressure washer and soap solution. The tank and contents therein have been disposed of according to all Local, State and Federal Regulations.

Thank you,



Marine Vacuum Service, Inc.

DBE # D4M1302341

EPA # WAD980974521

A MINORITY BUSINESS ENTERPRISE ID # D4M1302341

APPENDIX F

Selected Site Photographs

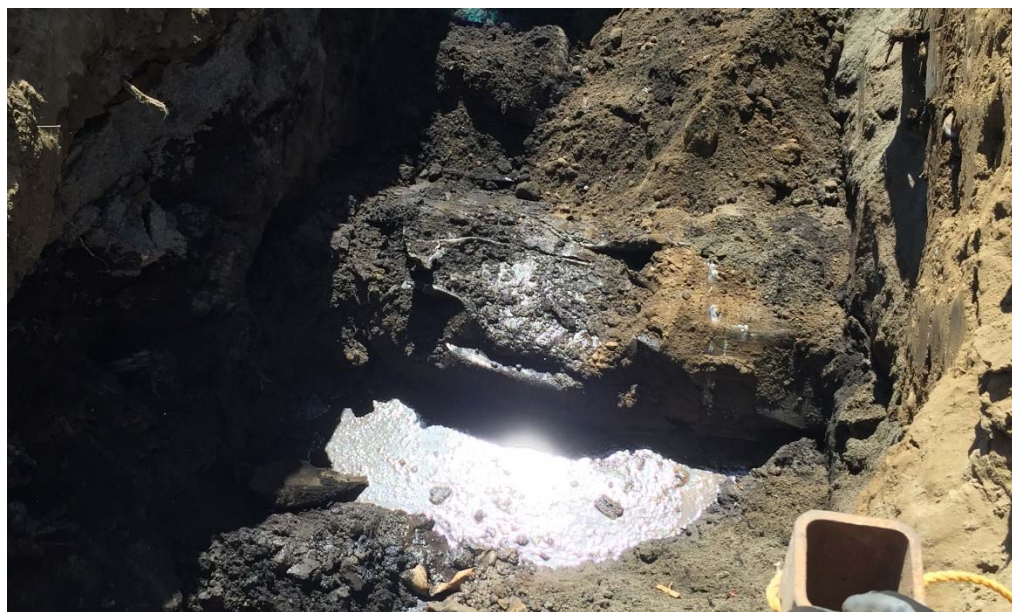


amec
foster
wheeler

APPENDIX F

SELECTED SITE PHOTOGRAPHS

5400 Airport Way South
Seattle, Washington



Photograph 1 Close-up of the underground storage tank (UST) after discovery.



Photograph 2 Removal of fluid from inside and around the tank.



amec
foster
wheeler

APPENDIX F

SELECTED SITE PHOTOGRAPHS

5400 Airport Way South
Seattle, Washington



Photograph 3 Removing soils around UST to allow for extraction.



Photograph 4 UST being removed from trenching excavation area.

APPENDIX F

SELECTED SITE PHOTOGRAPHS

5400 Airport Way South
Seattle, Washington



Photograph 5 Removal of UST.



Photograph 6 UST placed on plastic for storage until removal from site.

APPENDIX F

SELECTED SITE PHOTOGRAPHS

5400 Airport Way South
Seattle, Washington



Photograph 7 Base of excavation after tank removal

APPENDIX G

Laboratory Analytical Results



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 26, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1506-208

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DeB' followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

Case Narrative

Samples were collected on June 18, 2015 and received by the laboratory on June 19, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The sample chromatogram is similar to mineral spirits.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for sample TANK2-SOIL-B1-9.5 due to the necessary dilution of the sample.

Surrogate Standard 4-Bromofluorobenzene is outside control limits on the high end for sample TANK2-SOIL-B1-9.5 due to co-eluting non-target analytes.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|--------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | TANK2-SOIL-B1-9.5 | | | | | |
| Laboratory ID: | 06-208-01 | | | | | |
| Gasoline | 2700 | 160 | NWTPH-Gx | 6-22-15 | 6-23-15 | Z |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 71 | 68-123 | | | | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|---------------------|------------------|----------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0622S1 | | | | | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 6-25-15 | 6-25-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Fluorobenzene | 87 | 68-123 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 06-224-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| Surrogate: | | | | | | | | |
| Fluorobenzene | | | | 83 | 84 | 68-123 | | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------|--------------------------|-----------------------|---------------|----------------------|----------------------|--------------|
| Client ID: | TANK2-SOIL-B1-9.5 | | | | | |
| Laboratory ID: | 06-208-01 | | | | | |
| Diesel Range Organics | 2100 | 30 | NWTPH-Dx | 6-23-15 | 6-23-15 | M |
| Lube Oil | 280 | 60 | NWTPH-Dx | 6-23-15 | 6-23-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>110</i> | <i>50-150</i> | | | | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|------------------|----------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0623S1 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 6-23-15 | 6-23-15 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 6-23-15 | 6-23-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| o-Terphenyl | 83 | 50-150 | | | | |

| Analyte | Result | | Spike Level | | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------|-----------|-----|-------------|----|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | | | |
| Laboratory ID: | 06-200-01 | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Diesel Range | ND | ND | NA | NA | | NA | NA | NA | NA | |
| Lube Oil Range | ND | ND | NA | NA | | NA | NA | NA | NA | |
| Surrogate: | | | | | | | | | | |
| o-Terphenyl | | | | | | 83 | 78 | 50-150 | | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------------------|--------|------|-----------|---------------|---------------|-------|
| Client ID: TANK2-SOIL-B1-9.5 | | | | | | |
| Laboratory ID: 06-208-01 | | | | | | |
| Dichlorodifluoromethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chloromethane | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Vinyl Chloride | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromomethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chloroethane | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Trichlorofluoromethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1-Dichloroethene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Acetone | ND | 3.4 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Iodomethane | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Carbon Disulfide | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Methylene Chloride | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Methyl t-Butyl Ether | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1-Dichloroethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Vinyl Acetate | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2,2-Dichloropropane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Butanone | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromochloromethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chloroform | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1,1-Trichloroethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Carbon Tetrachloride | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1-Dichloropropene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Benzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dichloroethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Trichloroethene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dichloropropane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Dibromomethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromodichloromethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Methyl Isobutyl Ketone | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Toluene | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

VOLATILES EPA 8260C
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: TANK2-SOIL-B1-9.5 | | | | | | |
| Laboratory ID: 06-208-01 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Tetrachloroethene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,3-Dichloropropane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Hexanone | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Dibromochloromethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dibromoethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chlorobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Ethylbenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| m,p-Xylene | ND | 0.68 | EPA 8260C | 6-22-15 | 6-22-15 | |
| o-Xylene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Styrene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromoform | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Isopropylbenzene | 2.1 | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,3-Trichloropropane | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| n-Propylbenzene | 3.0 | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Chlorotoluene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 4-Chlorotoluene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,3,5-Trimethylbenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| tert-Butylbenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,4-Trimethylbenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| sec-Butylbenzene | 0.95 | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,3-Dichlorobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| p-Isopropyltoluene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,4-Dichlorobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dichlorobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| n-Butylbenzene | 1.8 | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Hexachlorobutadiene | ND | 1.7 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Naphthalene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.34 | EPA 8260C | 6-22-15 | 6-22-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 82 | 76-131 | | | | |
| <i>Toluene-d8</i> | 85 | 82-129 | | | | |
| <i>4-Bromofluorobenzene</i> | 142 | 79-126 | | | | |

Q

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|--------|--------|-----------|---------------|---------------|-------|
| Laboratory ID: MB0622S1 | | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chloromethane | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromomethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chloroethane | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Acetone | ND | 0.010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Iodomethane | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Carbon Disulfide | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Methyl t-Butyl Ether | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Vinyl Acetate | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Butanone | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chloroform | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Benzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Trichloroethene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Dibromomethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Methyl Isobutyl Ketone | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Toluene | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Laboratory ID: MB0622S1 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Hexanone | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Ethylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| m,p-Xylene | ND | 0.0020 | EPA 8260C | 6-22-15 | 6-22-15 | |
| o-Xylene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Styrene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromoform | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Isopropylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Bromobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| n-Propylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,3,5-Trimethylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| tert-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,4-Trimethylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| sec-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| p-Isopropyltoluene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| n-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260C | 6-22-15 | 6-22-15 | |
| Naphthalene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260C | 6-22-15 | 6-22-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>92</i> | <i>76-131</i> | | | | |
| <i>Toluene-d8</i> | <i>97</i> | <i>82-129</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>119</i> | <i>79-126</i> | | | | |

Date of Report: June 26, 2015
 Samples Submitted: June 19, 2015
 Laboratory Reference: 1506-208
 Project: 14697

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

| Analyte | Result | | Spike Level | | Percent | Recovery | RPD | | Flags |
|----------------------|----------|--------|-------------|--------|----------|----------|--------|---|-------|
| | | | | | Recovery | Limits | | | |
| SPIKE BLANKS | | | | | | | | | |
| Laboratory ID: | SB0622S1 | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | |
| 1,1-Dichloroethene | 0.0453 | 0.0431 | 0.0500 | 0.0500 | 91 | 86 | 66-129 | 5 | 15 |
| Benzene | 0.0479 | 0.0470 | 0.0500 | 0.0500 | 96 | 94 | 71-123 | 2 | 15 |
| Trichloroethene | 0.0463 | 0.0464 | 0.0500 | 0.0500 | 93 | 93 | 75-115 | 0 | 15 |
| Toluene | 0.0478 | 0.0477 | 0.0500 | 0.0500 | 96 | 95 | 75-120 | 0 | 15 |
| Chlorobenzene | 0.0460 | 0.0461 | 0.0500 | 0.0500 | 92 | 92 | 75-121 | 0 | 15 |
| Surrogate: | | | | | | | | | |
| Dibromofluoromethane | | | | | 86 | 84 | 76-131 | | |
| Toluene-d8 | | | | | 89 | 88 | 82-129 | | |
| 4-Bromofluorobenzene | | | | | 109 | 110 | 79-126 | | |

Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

% MOISTURE

Date Analyzed: 6-22-15

| Client ID | Lab ID | % Moisture |
|-------------------|-----------|------------|
| TANK2-SOIL-B1-9.5 | 06-208-01 | 17 |



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z - The sample chromatogram is similar to mineral spirits.
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page 1 of 1

Laboratory Number: 06-208

[illegible]



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 30, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1506-236

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on June 23, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a long horizontal stroke.

David Baumeister
Project Manager

Enclosures

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

Case Narrative

Samples were collected on June 22, 2015 and received by the laboratory on June 23, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples TANK-2-SOIL-S1-5 and TANK-2-SOIL-S3-5 are similar to mineral spirits with diesel.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------|--------------------|----------------|----------|---------------|---------------|-------|
| Client ID: | TANK 2- SOIL -S1-5 | | | | | |
| Laboratory ID: | 06-236-01 | | | | | |
| Gasoline | 520 | 110 | NWTPH-Gx | 6-24-15 | 6-29-15 | Z |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Fluorobenzene | 86 | 68-123 | | | | |
| Client ID: | TANK 2- SOIL -S2-5 | | | | | |
| Laboratory ID: | 06-236-02 | | | | | |
| Gasoline | ND | 5.3 | NWTPH-Gx | 6-24-15 | 6-26-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Fluorobenzene | 85 | 68-123 | | | | |
| Client ID: | TANK 2- SOIL -S3-5 | | | | | |
| Laboratory ID: | 06-236-03 | | | | | |
| Gasoline | 2000 | 110 | NWTPH-Gx | 6-24-15 | 6-30-15 | Z |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Fluorobenzene | 70 | 68-123 | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|---------------------|------------------|----------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0624S1 | | | | | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 6-24-15 | 6-24-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Fluorobenzene | 81 | 68-123 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 06-235-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Gasoline | ND | ND | NA | NA | NA | NA | NA | 30 |
| Surrogate: | | | | | | | | |
| Fluorobenzene | | | | 86 | 89 | 68-123 | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|------------------|----------------|----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S1-5 | | | | | | |
| Laboratory ID: | 06-236-01 | | | | | |
| Diesel Range Organics | 560 | 26 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Lube Oil | 280 | 52 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| o-Terphenyl | 80 | 50-150 | | | | |
| Client ID: TANK 2- SOIL -S2-5 | | | | | | |
| Laboratory ID: | 06-236-02 | | | | | |
| Diesel Range Organics | 94 | 26 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Lube Oil | 72 | 52 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| o-Terphenyl | 77 | 50-150 | | | | |
| Client ID: TANK 2- SOIL -S3-5 | | | | | | |
| Laboratory ID: | 06-236-03 | | | | | |
| Diesel Range Organics | 2600 | 26 | NWTPH-Dx | 6-24-15 | 6-24-15 | M |
| Lube Oil | 850 | 52 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| o-Terphenyl | 90 | 50-150 | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

**NWTPH-Dx
QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-------------------------|------------------|----------------|----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0624S1 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 6-24-15 | 6-24-15 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| o-Terphenyl | 93 | 50-150 | | | | |

| Analyte | Result | | Spike Level | | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------|-----------|-----|-------------|----|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | | | |
| Laboratory ID: | 06-236-01 | | | | | | | | | |
| | ORIG | DUP | | | | | | | | |
| Diesel Range Organics | 535 | 493 | NA | NA | | NA | NA | 8 | NA | |
| Lube Oil | 271 | 250 | NA | NA | | NA | NA | 8 | NA | |
| Surrogate: | | | | | | | | | | |
| o-Terphenyl | | | | | | 80 | 78 | 50-150 | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|--------|-------|-----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S1-5 | | | | | | |
| Laboratory ID: 06-236-01 | | | | | | |
| Dichlorodifluoromethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Chloromethane | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Vinyl Chloride | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Bromomethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Chloroethane | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Trichlorofluoromethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,1-Dichloroethene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Acetone | ND | 0.48 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Iodomethane | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Carbon Disulfide | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Methylene Chloride | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Methyl t-Butyl Ether | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,1-Dichloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Vinyl Acetate | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 2,2-Dichloropropane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 2-Butanone | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Bromochloromethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Chloroform | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,1,1-Trichloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Carbon Tetrachloride | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,1-Dichloropropene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Benzene | 0.22 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2-Dichloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Trichloroethene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2-Dichloropropane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Dibromomethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Bromodichloromethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Methyl Isobutyl Ketone | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Toluene | 0.49 | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES EPA 8260C
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S1-5 | | | | | | |
| Laboratory ID: 06-236-01 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Tetrachloroethene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,3-Dichloropropane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 2-Hexanone | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Dibromochloromethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2-Dibromoethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Chlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Ethylbenzene | 1.2 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| m,p-Xylene | 6.6 | 0.097 | EPA 8260C | 6-24-15 | 6-25-15 | |
| o-Xylene | 0.44 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Styrene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Bromoform | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Isopropylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Bromobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2,3-Trichloropropane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| n-Propylbenzene | 0.060 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 2-Chlorotoluene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 4-Chlorotoluene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,3,5-Trimethylbenzene | 0.49 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| tert-Butylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2,4-Trimethylbenzene | 1.0 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| sec-Butylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,3-Dichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| p-Isopropyltoluene | 0.15 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,4-Dichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2-Dichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| n-Butylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Hexachlorobutadiene | ND | 0.24 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Naphthalene | 0.85 | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-25-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>82</i> | <i>76-131</i> | | | | |
| <i>Toluene-d8</i> | <i>88</i> | <i>82-129</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>110</i> | <i>79-126</i> | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES EPA 8260C
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Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|--------|--------|-----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S2-5 | | | | | | |
| Laboratory ID: 06-236-02 | | | | | | |
| Dichlorodifluoromethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chloromethane | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Vinyl Chloride | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromomethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chloroethane | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Trichlorofluoromethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1-Dichloroethene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Acetone | 0.017 | 0.012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Iodomethane | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Carbon Disulfide | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Methylene Chloride | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Methyl t-Butyl Ether | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1-Dichloroethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Vinyl Acetate | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2,2-Dichloropropane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Butanone | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromochloromethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chloroform | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1,1-Trichloroethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Carbon Tetrachloride | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1-Dichloropropene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Benzene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dichloroethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Trichloroethene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dichloropropane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Dibromomethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromodichloromethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Methyl Isobutyl Ketone | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Toluene | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
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 Project: 14697

VOLATILES EPA 8260C
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| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S2-5 | | | | | | |
| Laboratory ID: 06-236-02 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Tetrachloroethene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,3-Dichloropropane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Hexanone | ND | 0.0058 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Dibromochloromethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dibromoethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chlorobenzene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Ethylbenzene | 0.053 | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| m,p-Xylene | 0.26 | 0.096 | EPA 8260C | 6-24-15 | 6-24-15 | |
| o-Xylene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Styrene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromoform | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Isopropylbenzene | ND | 0.0012 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,3-Trichloropropane | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| n-Propylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Chlorotoluene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 4-Chlorotoluene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3,5-Trimethylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| tert-Butylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,4-Trimethylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| sec-Butylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3-Dichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| p-Isopropyltoluene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,4-Dichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| n-Butylbenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.24 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Hexachlorobutadiene | ND | 0.24 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Naphthalene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.048 | EPA 8260C | 6-24-15 | 6-24-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>90</i> | <i>76-131</i> | | | | |
| <i>Toluene-d8</i> | <i>98</i> | <i>82-129</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>111</i> | <i>79-126</i> | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES EPA 8260C
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Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|--------|-------|-----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S3-5 | | | | | | |
| Laboratory ID: 06-236-03 | | | | | | |
| Dichlorodifluoromethane | ND | 0.072 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chloromethane | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Vinyl Chloride | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromomethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chloroethane | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Trichlorofluoromethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1-Dichloroethene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Acetone | ND | 0.52 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Iodomethane | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Carbon Disulfide | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Methylene Chloride | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Methyl t-Butyl Ether | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1-Dichloroethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Vinyl Acetate | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2,2-Dichloropropane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Butanone | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromochloromethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chloroform | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,1-Trichloroethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Carbon Tetrachloride | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1-Dichloropropene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Benzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichloroethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Trichloroethene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichloropropane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Dibromomethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromodichloromethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Methyl Isobutyl Ketone | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Toluene | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES EPA 8260C
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| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|--------------------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: TANK 2- SOIL -S3-5 | | | | | | |
| Laboratory ID: 06-236-03 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Tetrachloroethene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3-Dichloropropane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Hexanone | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Dibromochloromethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dibromoethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chlorobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Ethylbenzene | 4.3 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| m,p-Xylene | 140 | 1.0 | EPA 8260C | 6-24-15 | 6-25-15 | |
| o-Xylene | 30 | 0.52 | EPA 8260C | 6-24-15 | 6-25-15 | |
| Styrene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromoform | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Isopropylbenzene | 0.33 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,3-Trichloropropane | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| n-Propylbenzene | 0.24 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Chlorotoluene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 4-Chlorotoluene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3,5-Trimethylbenzene | 3.0 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| tert-Butylbenzene | 0.080 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,4-Trimethylbenzene | 14 | 0.52 | EPA 8260C | 6-24-15 | 6-25-15 | |
| sec-Butylbenzene | 0.53 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3-Dichlorobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| p-Isopropyltoluene | 1.7 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,4-Dichlorobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichlorobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| n-Butylbenzene | 1.4 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Hexachlorobutadiene | ND | 0.26 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Naphthalene | 9.1 | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.052 | EPA 8260C | 6-24-15 | 6-24-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 85 | 76-131 | | | | |
| <i>Toluene-d8</i> | 91 | 82-129 | | | | |
| <i>4-Bromofluorobenzene</i> | 115 | 79-126 | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

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Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| Laboratory ID: | MB0624S1 | | | | | |
| Dichlorodifluoromethane | ND | 0.0014 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chloromethane | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromomethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chloroethane | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Acetone | ND | 0.010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Iodomethane | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Carbon Disulfide | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Methyl t-Butyl Ether | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Vinyl Acetate | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Butanone | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chloroform | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Benzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Trichloroethene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Dibromomethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Methyl Isobutyl Ketone | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Toluene | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Laboratory ID: MB0624S1 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Hexanone | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Ethylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| m,p-Xylene | ND | 0.0020 | EPA 8260C | 6-24-15 | 6-24-15 | |
| o-Xylene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Styrene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromoform | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Isopropylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Bromobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| n-Propylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3,5-Trimethylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| tert-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,4-Trimethylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| sec-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| p-Isopropyltoluene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| n-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260C | 6-24-15 | 6-24-15 | |
| Naphthalene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260C | 6-24-15 | 6-24-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 89 | 76-131 | | | | |
| <i>Toluene-d8</i> | 92 | 82-129 | | | | |
| <i>4-Bromofluorobenzene</i> | 117 | 79-126 | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| <hr/> | | | | | | |
| Laboratory ID: | MB0625S1 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chloromethane | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromomethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chloroethane | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Acetone | ND | 0.010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Iodomethane | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Carbon Disulfide | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Methyl t-Butyl Ether | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Vinyl Acetate | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Butanone | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chloroform | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Benzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Trichloroethene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Dibromomethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Methyl Isobutyl Ketone | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Toluene | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Laboratory ID: MB0625S1 | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Hexanone | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Ethylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| m,p-Xylene | ND | 0.0020 | EPA 8260C | 6-25-15 | 6-25-15 | |
| o-Xylene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Styrene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromoform | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Isopropylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Bromobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| n-Propylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,3,5-Trimethylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| tert-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2,4-Trimethylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| sec-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| p-Isopropyltoluene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| n-Butylbenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260C | 6-25-15 | 6-25-15 | |
| Naphthalene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260C | 6-25-15 | 6-25-15 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>91</i> | <i>76-131</i> | | | | |
| <i>Toluene-d8</i> | <i>96</i> | <i>82-129</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>121</i> | <i>79-126</i> | | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery | RPD | RPD | Flags |
|----------------------|----------|--------|-------------|--------|------------------|--------|----------|-----|-------|-------|
| | | | | | Recovery | Limits | Limits | | Limit | |
| SPIKE BLANKS | | | | | | | | | | |
| Laboratory ID: | SB0624S1 | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| 1,1-Dichloroethene | 0.0443 | 0.0423 | 0.0500 | 0.0500 | 89 | 85 | 66-129 | 5 | 15 | |
| Benzene | 0.0473 | 0.0470 | 0.0500 | 0.0500 | 95 | 94 | 71-123 | 1 | 15 | |
| Trichloroethene | 0.0462 | 0.0469 | 0.0500 | 0.0500 | 92 | 94 | 75-115 | 2 | 15 | |
| Toluene | 0.0478 | 0.0478 | 0.0500 | 0.0500 | 96 | 96 | 75-120 | 0 | 15 | |
| Chlorobenzene | 0.0452 | 0.0456 | 0.0500 | 0.0500 | 90 | 91 | 75-121 | 1 | 15 | |
| Surrogate: | | | | | | | | | | |
| Dibromofluoromethane | | | | | 86 | 83 | 76-131 | | | |
| Toluene-d8 | | | | | 89 | 86 | 82-129 | | | |
| 4-Bromofluorobenzene | | | | | 109 | 107 | 79-126 | | | |

Date of Report: June 30, 2015
 Samples Submitted: June 23, 2015
 Laboratory Reference: 1506-236
 Project: 14697

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|----------|--------|-------------|--------|------------------|-----|-----------------|-----|-----------|-------|
| | | | | | Recovery | | | | | |
| SPIKE BLANKS | | | | | | | | | | |
| Laboratory ID: | SB0625S1 | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| 1,1-Dichloroethene | 0.0435 | 0.0425 | 0.0500 | 0.0500 | 87 | 85 | 66-129 | 2 | 15 | |
| Benzene | 0.0479 | 0.0483 | 0.0500 | 0.0500 | 96 | 97 | 71-123 | 1 | 15 | |
| Trichloroethene | 0.0474 | 0.0463 | 0.0500 | 0.0500 | 95 | 93 | 75-115 | 2 | 15 | |
| Toluene | 0.0488 | 0.0459 | 0.0500 | 0.0500 | 98 | 92 | 75-120 | 6 | 15 | |
| Chlorobenzene | 0.0479 | 0.0456 | 0.0500 | 0.0500 | 96 | 91 | 75-121 | 5 | 15 | |
| Surrogate: | | | | | | | | | | |
| Dibromofluoromethane | | | | | 85 | 83 | 76-131 | | | |
| Toluene-d8 | | | | | 88 | 85 | 82-129 | | | |
| 4-Bromofluorobenzene | | | | | 113 | 108 | 79-126 | | | |

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

% MOISTURE

Date Analyzed: 6-24-15

| Client ID | Lab ID | % Moisture |
|--------------------|-----------|------------|
| TANK 2- SOIL -S1-5 | 06-236-01 | 4 |
| TANK 2- SOIL -S2-5 | 06-236-02 | 4 |
| TANK 2- SOIL -S3-5 | 06-236-03 | 4 |



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z - The sample chromatogram is similar to mineral spirits with diesel.
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
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Chain of Custody

Page 1 of 1

06-236

Laboratory Number:

Company: AMEC Foster Wheeler
Project Number: 14697
Project Name: Kelley Moore
Project Manager: Tanya Gray
Sampled by: T. Lowrie

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days

☒ Standard (7 Days)
(TPH analysis 5 Days)

☐ (other) _____

Number of Containers

Date Sampled Time Sampled Matrix

1 6/22/15 1137 S
2 1139 S
3 1141 S

Sample Identification

1 TANK 2-SOIL-S1-5
2 TANK 2-SOIL-S2-5
3 TANK 2-SOIL-S3-5

| Volatiles 8260C | NWTPH-Dx | NWTPH-Gx | NWTPH-Gx/BTEX | NWTPH-HCID | Halogenated Volatiles 8260C | Semivolatiles 8270D/SIM (with low-level PAHs) | PAHs 8270D/SIM (low-level) | PCBs 8082A | Organochlorine Pesticides 8081B | Organophosphorus Pesticides 8270D/SIM | Chlorinated Acid Herbicides 8151A | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664A | % Moisture |
|-----------------|----------|----------|---------------|------------|-----------------------------|--|----------------------------|------------|---------------------------------|---------------------------------------|-----------------------------------|-------------------|-------------------|-------------|----------------------------|------------|
| X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

| Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|---------------|--|--|--|
| | AMEC FW | 6/22/15 | 1213 | |
| | AMEC FW | 6/22/15 | 1213 | |
| | AMEC FW | 6/23/15 | 1348 | |
| | AMEC FW | 6-23-15 | 1348 | |
| | AMEC FW | 6-23-15 | 1348 | |
| | AMEC FW | 6-23-15 | 1475 | |
| Reviewed/Date | Reviewed/Date | Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | Electronic Data Deliverables (EDDs) <input type="checkbox"/> | Chromatograms with final report <input type="checkbox"/> |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-50925-1

Client Project/Site: Kelly Moore

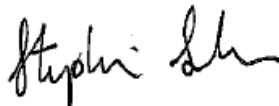
For:

Ingenium Group, LLC

8206 S. 192nd Street

Kent, Washington 98032

Attn: Corey Johnson



Authorized for release by:

6/25/2015 3:20:34 PM

Stephanie Sanders, Project Manager I

(303)736-0196

stephanie.sanders@testamericainc.com

LINKS

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results through

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Job ID: 580-50925-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-50925-1

Comments

No additional comments.

Receipt

The sample was received on 6/18/2015 3:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 12.1° C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: # KMUNKNOWN1 (580-50925-1). The sample was 12.1°C on receipt.

The container for sample # KMUNKNOWN1 (580-50925-1) lacks a label. Only the sample ID is written on the cap. The sample is logged in per chain of custody.

GC/MS VOA

Method(s) NWTPH-Gx: The following sample was diluted to bring the concentration of target analytes within the calibration range: # KMUNKNOWN1 (580-50925-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 77763 recovered above the upper control limit for Bromomethane. The sample associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: # KMUNKNOWN1 (580-50925-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Client Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Client Sample ID: # KMUNKNOWN1

Lab Sample ID: 580-50925-1

Date Collected: 06/17/15 14:00

Matrix: Waste

Date Received: 06/18/15 15:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Bromobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Bromochloromethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Bromodichloromethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Bromoform | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Bromomethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| n-Butylbenzene | 520 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| sec-Butylbenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| tert-Butylbenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Carbon tetrachloride | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Chlorobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Chloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Chloroform | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Chloromethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 2-Chlorotoluene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 4-Chlorotoluene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 33 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Dibromomethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Dichlorodifluoromethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,1-Dichloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2-Dichloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| cis-1,2-Dichloroethene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| trans-1,2-Dichloroethene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,1-Dichloroethene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2-Dichloropropane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,3-Dichloropropane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 2,2-Dichloropropane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| cis-1,3-Dichloropropene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| trans-1,3-Dichloropropene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,1-Dichloropropene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Ethylbenzene | 2700 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Hexachlorobutadiene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Isopropylbenzene | 390 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| p-Isopropyltoluene | 300 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Methylene Chloride | ND | | 33 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Naphthalene | 4800 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| N-Propylbenzene | 520 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Styrene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Tetrachloroethene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Toluene | 150 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,1,1-Trichloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |

TestAmerica Seattle

Client Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Client Sample ID: # KMUNKNOWN1

Lab Sample ID: 580-50925-1

Date Collected: 06/17/15 14:00

Matrix: Waste

Date Received: 06/18/15 15:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|-------------|-----------|----|-----|-------|---|----------------|----------------|---------|
| 1,1,2-Trichloroethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Trichloroethene | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Trichlorofluoromethane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2,3-Trichloropropane | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2,4-Trimethylbenzene | 1200 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,3,5-Trimethylbenzene | 200 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Vinyl chloride | ND | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| m-Xylene & p-Xylene | 5300 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| o-Xylene | 990 | | 16 | | ug/Kg | | 06/24/15 15:30 | 06/24/15 16:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107 | | 87 - 119 | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 84 - 119 | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Toluene-d8 (Surr) | 100 | | 85 - 122 | 06/24/15 15:30 | 06/24/15 16:42 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 67 - 123 | 06/24/15 15:30 | 06/24/15 16:42 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | 2300 | | 380 | | mg/Kg | | 06/22/15 15:08 | 06/22/15 16:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 150 | 06/22/15 15:08 | 06/22/15 16:44 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 2200 | | mg/Kg | | 06/22/15 13:42 | 06/22/15 14:55 | 1 |
| Motor Oil (>C24-C36) | ND | | 4300 | | mg/Kg | | 06/22/15 13:42 | 06/22/15 14:55 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 94 | | 50 - 150 | 06/22/15 13:42 | 06/22/15 14:55 | 1 |

TestAmerica Seattle

QC Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-77763/9

Matrix: Waste

Analysis Batch: 77763

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|-------|-----|-------|---|----------|----------------|---------|
| Benzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Bromobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Bromochloromethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Bromodichloromethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Bromoform | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Bromomethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| n-Butylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| sec-Butylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| tert-Butylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Carbon tetrachloride | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Chlorobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Chloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Chloroform | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Chloromethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 2-Chlorotoluene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 4-Chlorotoluene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.10 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Dibromomethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Dichlorodifluoromethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,1-Dichloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2-Dichloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,1-Dichloroethene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2-Dichloropropane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,3-Dichloropropane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 2,2-Dichloropropane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,1-Dichloropropene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Ethylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Hexachlorobutadiene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Isopropylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| p-Isopropyltoluene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Methylene Chloride | ND | | 0.10 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Naphthalene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| N-Propylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Styrene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,1,1,2,2-Tetrachloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Tetrachloroethene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Toluene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |

TestAmerica Seattle

QC Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-77763/9

Matrix: Waste

Analysis Batch: 77763

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-------|-----|-------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Trichloroethene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Trichlorofluoromethane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| Vinyl chloride | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| m-Xylene & p-Xylene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |
| o-Xylene | ND | | 0.050 | | ug/Kg | | | 06/24/15 12:32 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98 | | 87 - 119 | | 06/24/15 12:32 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 84 - 119 | | 06/24/15 12:32 | 1 |
| Toluene-d8 (Surr) | 98 | | 85 - 122 | | 06/24/15 12:32 | 1 |
| Dibromofluoromethane (Surr) | 101 | | 67 - 123 | | 06/24/15 12:32 | 1 |

Lab Sample ID: LCS 320-77763/5

Matrix: Waste

Analysis Batch: 77763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 20.0 | 20.3 | | ug/Kg | | 101 | 50 - 150 |
| Bromobenzene | 20.0 | 22.0 | | ug/Kg | | 110 | 50 - 150 |
| Bromochloromethane | 20.0 | 23.3 | | ug/Kg | | 116 | 50 - 150 |
| Bromodichloromethane | 20.0 | 20.8 | | ug/Kg | | 104 | 50 - 150 |
| Bromoform | 20.0 | 21.4 | | ug/Kg | | 107 | 50 - 150 |
| Bromomethane | 20.0 | 26.6 | | ug/Kg | | 133 | 50 - 150 |
| n-Butylbenzene | 20.0 | 22.1 | | ug/Kg | | 111 | 50 - 150 |
| sec-Butylbenzene | 20.0 | 23.1 | | ug/Kg | | 116 | 50 - 150 |
| tert-Butylbenzene | 20.0 | 23.5 | | ug/Kg | | 118 | 50 - 150 |
| Carbon tetrachloride | 20.0 | 22.1 | | ug/Kg | | 110 | 50 - 150 |
| Chlorobenzene | 20.0 | 21.7 | | ug/Kg | | 109 | 50 - 150 |
| Chloroethane | 20.0 | 20.8 | | ug/Kg | | 104 | 50 - 150 |
| Chloroform | 20.0 | 21.4 | | ug/Kg | | 107 | 50 - 150 |
| Chloromethane | 20.0 | 17.4 | | ug/Kg | | 87 | 50 - 150 |
| 2-Chlorotoluene | 20.0 | 21.1 | | ug/Kg | | 105 | 50 - 150 |
| 4-Chlorotoluene | 20.0 | 21.7 | | ug/Kg | | 108 | 50 - 150 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 18.9 | | ug/Kg | | 94 | 50 - 150 |
| 1,2-Dibromoethane (EDB) | 20.0 | 21.8 | | ug/Kg | | 109 | 50 - 150 |
| Dibromomethane | 20.0 | 21.2 | | ug/Kg | | 106 | 50 - 150 |
| 1,2-Dichlorobenzene | 20.0 | 21.5 | | ug/Kg | | 108 | 50 - 150 |
| 1,3-Dichlorobenzene | 20.0 | 21.6 | | ug/Kg | | 108 | 50 - 150 |
| 1,4-Dichlorobenzene | 20.0 | 22.3 | | ug/Kg | | 111 | 50 - 150 |
| Dichlorodifluoromethane | 20.0 | 23.9 | | ug/Kg | | 120 | 50 - 150 |
| 1,1-Dichloroethane | 20.0 | 18.6 | | ug/Kg | | 93 | 50 - 150 |
| 1,2-Dichloroethane | 20.0 | 20.9 | | ug/Kg | | 105 | 50 - 150 |
| cis-1,2-Dichloroethene | 20.0 | 22.1 | | ug/Kg | | 111 | 50 - 150 |

TestAmerica Seattle

QC Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-77763/5

Matrix: Waste

Analysis Batch: 77763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|-------|---|------|--------------|
| trans-1,2-Dichloroethene | 20.0 | 21.2 | | ug/Kg | | 106 | 50 - 150 |
| 1,1-Dichloroethene | 20.0 | 20.8 | | ug/Kg | | 104 | 50 - 150 |
| 1,2-Dichloropropane | 20.0 | 19.4 | | ug/Kg | | 97 | 50 - 150 |
| 1,3-Dichloropropane | 20.0 | 19.8 | | ug/Kg | | 99 | 50 - 150 |
| 2,2-Dichloropropane | 20.0 | 23.1 | | ug/Kg | | 115 | 50 - 150 |
| cis-1,3-Dichloropropene | 20.0 | 21.3 | | ug/Kg | | 107 | 50 - 150 |
| trans-1,3-Dichloropropene | 20.0 | 22.1 | | ug/Kg | | 111 | 50 - 150 |
| 1,1-Dichloropropene | 20.0 | 21.2 | | ug/Kg | | 106 | 50 - 150 |
| Ethylbenzene | 20.0 | 21.7 | | ug/Kg | | 108 | 50 - 150 |
| Hexachlorobutadiene | 20.0 | 17.8 | | ug/Kg | | 89 | 50 - 150 |
| Isopropylbenzene | 20.0 | 23.0 | | ug/Kg | | 115 | 50 - 150 |
| p-Isopropyltoluene | 20.0 | 21.9 | | ug/Kg | | 109 | 50 - 150 |
| Methylene Chloride | 20.0 | 19.8 | | ug/Kg | | 99 | 50 - 150 |
| Naphthalene | 20.0 | 25.6 | | ug/Kg | | 128 | 50 - 150 |
| N-Propylbenzene | 20.0 | 21.9 | | ug/Kg | | 109 | 50 - 150 |
| Styrene | 20.0 | 21.6 | | ug/Kg | | 108 | 50 - 150 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 21.0 | | ug/Kg | | 105 | 50 - 150 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 19.2 | | ug/Kg | | 96 | 50 - 150 |
| Tetrachloroethene | 20.0 | 22.3 | | ug/Kg | | 112 | 50 - 150 |
| Toluene | 20.0 | 23.4 | | ug/Kg | | 117 | 50 - 150 |
| 1,2,3-Trichlorobenzene | 20.0 | 22.5 | | ug/Kg | | 112 | 50 - 150 |
| 1,2,4-Trichlorobenzene | 20.0 | 22.4 | | ug/Kg | | 112 | 50 - 150 |
| 1,1,1-Trichloroethane | 20.0 | 22.4 | | ug/Kg | | 112 | 50 - 150 |
| 1,1,2-Trichloroethane | 20.0 | 22.1 | | ug/Kg | | 111 | 50 - 150 |
| Trichloroethene | 20.0 | 21.5 | | ug/Kg | | 107 | 50 - 150 |
| Trichlorofluoromethane | 20.0 | 26.2 | | ug/Kg | | 131 | 50 - 150 |
| 1,2,3-Trichloropropane | 20.0 | 20.2 | | ug/Kg | | 101 | 50 - 150 |
| 1,2,4-Trimethylbenzene | 20.0 | 21.5 | | ug/Kg | | 107 | 50 - 150 |
| 1,3,5-Trimethylbenzene | 20.0 | 23.2 | | ug/Kg | | 116 | 50 - 150 |
| Vinyl chloride | 20.0 | 20.2 | | ug/Kg | | 101 | 50 - 150 |
| m-Xylene & p-Xylene | 20.0 | 22.0 | | ug/Kg | | 110 | 50 - 150 |
| o-Xylene | 20.0 | 21.7 | | ug/Kg | | 109 | 50 - 150 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 110 | | 87 - 119 |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 84 - 119 |
| Toluene-d8 (Surr) | 104 | | 85 - 122 |
| Dibromofluoromethane (Surr) | 100 | | 67 - 123 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-192869/1-A

Matrix: Waste

Analysis Batch: 192832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 192869

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 4.0 | | mg/Kg | | 06/22/15 15:08 | 06/22/15 13:46 | 1 |

TestAmerica Seattle

QC Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-192869/1-A

Matrix: Waste

Analysis Batch: 192832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 192869

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90 | | 50 - 150 | 06/22/15 15:08 | 06/22/15 13:46 | 1 |

Lab Sample ID: LCS 580-192869/2-A

Matrix: Waste

Analysis Batch: 192832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 192869

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Gasoline | 40.0 | 32.7 | | mg/Kg | | 82 | 68 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 50 - 150 |

Lab Sample ID: LCSD 580-192869/3-A

Matrix: Waste

Analysis Batch: 192832

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 192869

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline | 40.0 | 34.0 | | mg/Kg | | 85 | 68 - 120 | 4 | 25 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 50 - 150 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-192860/1-A

Matrix: Waste

Analysis Batch: 192804

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 192860

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|-----------------|------|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 2500 | | mg/Kg | | 06/22/15 13:42 | 06/22/15 14:07 | 1 |
| Motor Oil (>C24-C36) | ND | | 5000 | | mg/Kg | | 06/22/15 13:42 | 06/22/15 14:07 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------------|-----------------|----------|----------------|----------------|---------|
| o-Terphenyl | 99 | | 50 - 150 | 06/22/15 13:42 | 06/22/15 14:07 | 1 |

Lab Sample ID: LCS 580-192860/2-A

Matrix: Waste

Analysis Batch: 192804

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 192860

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|----------------|---------------|------------------|-------|---|------|-----------------|
| #2 Diesel (C10-C24) | 50000 | 53000 | | mg/Kg | | 106 | 70 - 125 |
| Motor Oil (>C24-C36) | 50200 | 56500 | | mg/Kg | | 113 | 64 - 127 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-------------|------------------|------------------|----------|
| o-Terphenyl | 103 | | 50 - 150 |

TestAmerica Seattle

QC Sample Results

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-192860/3-A

Matrix: Waste

Analysis Batch: 192804

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 192860

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| #2 Diesel (C10-C24) | 50000 | 53600 | | mg/Kg | | 107 | 70 - 125 | 1 | 16 |
| Motor Oil (>C24-C36) | 50200 | 57400 | | mg/Kg | | 114 | 64 - 127 | 2 | 17 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-------------|----------------|----------------|----------|
| o-Terphenyl | 105 | | 50 - 150 |

Lab Chronicle

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Client Sample ID: # KMUNKNOWN1

Date Collected: 06/17/15 14:00

Date Received: 06/18/15 15:00

Lab Sample ID: 580-50925-1

Matrix: Waste

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3585 | | | 77835 | 06/24/15 15:30 | YML | TAL SAC |
| Total/NA | Analysis | 8260B | | 1 | 77763 | 06/24/15 16:42 | VSG | TAL SAC |
| Total/NA | Prep | 5035 | | | 192869 | 06/22/15 15:08 | IWH | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 192832 | 06/22/15 16:44 | D1R | TAL SEA |
| Total/NA | Prep | 3580A | | | 192860 | 06/22/15 13:42 | EKK | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 192804 | 06/22/15 14:55 | EKK | TAL SEA |

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------------|---------------|------------|------------------|-----------------|
| Alaska (UST) | State Program | 10 | UST-022 | 03-02-16 |
| California | State Program | 9 | 2901 | 01-31-17 |
| L-A-B | DoD ELAP | | L2236 | 01-19-16 |
| L-A-B | ISO/IEC 17025 | | L2236 | 01-19-16 |
| Montana (UST) | State Program | 8 | N/A | 04-30-20 |
| Oregon | NELAP | 10 | WA100007 | 11-06-15 |
| US Fish & Wildlife | Federal | | LE192332-0 | 02-28-16 |
| USDA | Federal | | P330-11-00222 | 04-08-17 |
| Washington | State Program | 10 | C553 | 02-17-16 |

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------------|--------------------|------------|------------------|-----------------|
| A2LA | DoD ELAP | | 2928-01 | 01-31-16 |
| Alaska (UST) | State Program | 10 | UST-055 | 12-18-15 |
| Arizona | State Program | 9 | AZ0708 | 08-11-15 |
| Arkansas DEQ | State Program | 6 | 88-0691 | 06-17-16 |
| California | State Program | 9 | 2897 | 01-31-16 |
| Colorado | State Program | 8 | N/A | 08-31-15 |
| Connecticut | State Program | 1 | PH-0691 | 06-30-15 * |
| Florida | NELAP | 4 | E87570 | 06-30-16 * |
| Hawaii | State Program | 9 | N/A | 01-29-16 |
| Illinois | NELAP | 5 | 200060 | 03-17-16 |
| Kansas | NELAP | 7 | E-10375 | 10-31-15 |
| Louisiana | NELAP | 6 | 30612 | 06-30-16 |
| Michigan | State Program | 5 | 9947 | 01-31-16 |
| Nevada | State Program | 9 | CA44 | 07-31-15 |
| New Jersey | NELAP | 2 | CA005 | 06-30-15 * |
| New York | NELAP | 2 | 11666 | 04-01-16 |
| Oregon | NELAP | 10 | CA200005 | 01-29-16 |
| Oregon | NELAP Secondary AB | 10 | E87570 | 06-30-15 |
| Pennsylvania | NELAP | 3 | 9947 | 03-31-16 |
| Texas | NELAP | 6 | T104704399-08-TX | 05-31-16 |
| US Fish & Wildlife | Federal | | LE148388-0 | 02-28-16 |
| USDA | Federal | | P330-11-00436 | 12-30-17 |
| USEPA UCMR | Federal | 1 | CA00044 | 11-06-16 |
| Utah | NELAP | 8 | QUAN1 | 02-28-16 |
| Virginia | NELAP Secondary AB | 3 | 460278 | 03-14-16 |
| Washington | State Program | 10 | C581 | 05-04-16 |
| West Virginia (DW) | State Program | 3 | 9930C | 12-31-15 |
| Wyoming | State Program | 8 | 8TMS-Q | 01-29-16 |

* Certification renewal pending - certification considered valid.

TestAmerica Seattle

Sample Summary

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 580-50925-1 | # KMUNKNOWN1 | Waste | 06/17/15 14:00 | 06/18/15 15:00 |

1

2

3

4

5

6

7

8

9

10

11

☐ Rush

Chain of Custody Record

☐ Short Hold[illegible]

Login Sample Receipt Checklist

Client: Ingenium Group, LLC

Job Number: 580-50925-1

Login Number: 50925

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

| Question | Answer | Comment |
|--|--------|---|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | False | Refer to Job Narrative for details. |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | no |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | False | Refer to Job Narrative for details. |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | False | Sample splitting required for subcontract purposes. |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Ingenium Group, LLC

Job Number: 580-50925-1

Login Number: 50925

List Number: 2

Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento

List Creation: 06/23/15 12:02 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | N/A | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

APPENDIX H

Site Assessment Checklist



SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

UST ID #: N/ACounty: King

This checklist certifies that site check or site assessment activities were performed in accordance with Chapter 173-360 WAC. Instructions are found on the last page.

| I. UST FACILITY | | II. OWNER/OPERATOR INFORMATION | |
|--|---|---|---|
| Facility Compliance Tag #: <u>N/A</u> | Owner/Operator Name: <u>Robert Stetson</u> | | |
| UST ID #: <u>N/A</u> | Business Name: <u>Kelly Moore Paint Co.</u> | | |
| Site Name: <u>Former Kelly Moore Paint Facility</u> | Address: <u>105 Elmira Rd., Ste 300</u> | | |
| Site Address: <u>5400 Airport Way South</u> | City: <u>Vacaville</u> | State: <u>CA</u> | Zip: <u>95687</u> |
| City: <u>Seattle</u> | Phone: _____ | | |
| Phone: _____ | Email: <u>rstetson@kellymoore.com</u> | | |
| III. CERTIFIED SITE ASSESSOR | | | |
| Service Provider Name: <u>Trevor Louviere</u> | | Company Name: <u>AMEC Foster Wheeler</u> | |
| Cell Phone: <u>(425) 785-6322</u> | Email: <u>trevor.louviere@amechw.com</u> | Address: <u>600 University St., Ste 600</u> | |
| Certification #: <u>WA PE # 52664</u> | Exp. Date: <u>3/22/16</u> | City: <u>Seattle</u> | State: <u>WA</u> Zip: <u>98101</u> |
| IV. TANK INFORMATION | | | |
| TANK ID | TANK CAPACITY | LAST SUBSTANCE STORED | DATE SITE CHECK OR ASSESSMENT CONDUCTED |
| <u>N/A</u> | <u>~ 500 gal</u> | <u>Unknown</u> | <u>6/17/15</u> |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one) | | | |
| <input checked="" type="checkbox"/> Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place). | | | |
| <input type="checkbox"/> Release investigation following a failed tank and/or line tightness test. | | | |
| <input type="checkbox"/> Release investigation following discovery of contaminated soil and/or groundwater. | | | |
| <input type="checkbox"/> Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts. | | | |
| <input type="checkbox"/> UST system is undergoing a "change-in-service", which is changing from storing a regulated substance (e.g. gasoline) to storing a non-regulated substance (e.g. water). | | | |
| <input type="checkbox"/> Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988. | | | |
| <input type="checkbox"/> Other (describe): _____ | | | |

VI. CHECKLIST

**The site assessor must check each of the following items and include it in the report.
Sections referenced below can be found in the Ecology publication
*Guidance for Site Checks and Site Assessments for Underground Storage Tanks.***


| | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. The location of the UST site is shown on a vicinity map. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. A brief summary of information obtained during the site inspection is provided (Section 3.2) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. A summary of UST system data is provided (Section 3.1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. The soils characteristics at the UST site are described. (Section 5.2) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Is there any apparent groundwater in the tank excavation? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. A brief description of the surrounding land use is provided. (Section 3.1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. The name and address of the laboratory used to perform analyses is provided. The methods used to collect and analyze the samples, including the number and types of samples collected, are also documented in the report. The data from the laboratory is appended to the report. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. The following items are provided in one or more sketches: | | |
| • Location and ID number for all field samples collected | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • If applicable, groundwater samples are distinguished from soil samples N/A | <input type="checkbox"/> | <input type="checkbox"/> |
| • Location of samples collected from stockpiled excavated soil N/A | <input type="checkbox"/> | <input type="checkbox"/> |
| • Tank and piping locations and limits of excavation pit | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Adjacent structures and streets | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Approximate locations of any on-site and nearby utilities N/A | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. If sampling procedures are different from those specified in the guidance, has justification for using these alternative sampling procedures been provided? (Section 3.4) N/A | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method, and detection limit for that method. Any sample exceeding MTCA Method A cleanup standards are highlighted or bolded. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 11. Any factors that may have compromised the quality of the data or validity of the results are described. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred. The requirements for reporting confirmed releases can be found in WAC 173-360-372. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

VII. REQUIRED SIGNATURES

Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360-360 through -395.

Trevor Louviere

Print or Type Name



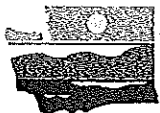
Signature of Certified Site Assessor

6/26/15

Date

APPENDIX I

Permanent Closure Notice



DEPARTMENT OF
ECOLOGY
State of Washington

PERMANENT CLOSURE NOTICE FOR UNDERGROUND STORAGE TANKS

UST ID #: N/A
County: King

This notice certifies that permanent closure activities were performed and conducted in accordance with Chapter 173-360 WAC. Instructions are found on the back page.

| I. UST FACILITY | | | II. OWNER/OPERATOR INFORMATION | | | |
|--|---|-----------------------|-------------------------------------|--------------------------|--------------------------|---------------|
| Facility Compliance Tag #: | N/A | | Owner/Operator Name: | Robert Stetson | | |
| UST ID #: | N/A | | Business Name: | Kelly Moore Paint Co. | | |
| Site Name: | Former Kelly Moore Paint Facility | | Address: | 105 Elmira Rd., Ste 300 | | |
| Site Address: | 5400 Airport Way South | | City: | Vacaville | State: | CA Zip: 95687 |
| City: | Seattle | | Phone: | | | |
| Phone: | | | Email: | rsetson@kellymoore.com | | |
| III. CERTIFIED UST DECOMMISSIONER | | | | | | |
| Company Name: | | | Service Provider Name: | | | |
| AMEC Foster Wheeler | | | Trevor Louviere | | | |
| Address: | | | Certification Type: | | | |
| 600 University St., Ste 600 | | | WA State Professional Engineer | | | |
| City: | | | State: | Zip: | Cert. No.: | Exp. Date: |
| Seattle | | | WA | 98101 | 526664 | 3/22/16 |
| Provider Phone: | | | Provider Email: | | | |
| 206-342-1760 | | | trevor.louviere@amec-fw.com | | | |
| Provider Signature: | | | Date: | | | |
| | | | 6/30/15 | | | |
| IV. TANK INFORMATION | | | | | | |
| TANK ID | TANK CAPACITY | LAST SUBSTANCE STORED | CLOSURE METHOD | | | CLOSURE DATE |
| | | | removal | closed-in-place | change-in-service | |
| N/A | ~500 gal | Unknown | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6/18/15 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| V. REQUIRED SIGNATURE | | | | | | |
| Signature acknowledges UST(s) comply with UST regulation WAC 173-360-380 Temporary Closure Requirements. | | | | | | |
| 8/6/15 | | | on behalf of Kelly-Moore Paint | | | |
| Date | Signature of Tank Owner/Operator or Authorized Representative | | | Print or Type Name | | |
| | | | | ROBERT W. STETSON | | |