January 26, 2015
File No. 2008-016M

Ms. Tara Mae Albert
New Hampshire Department of Environmental Services
Waste Management Division
Solid Waste Management Bureau
P.O. Box 95
Concord, NH, 03302-0095

Re: Application for Waiver
Tri-State Car Crushing
902 NH Route 10
Lempster, New Hampshire

Dear Tara:

On behalf of Tri-State Car Crushing (Tri-State), Aries Engineering, Inc. (Aries) is submitting three copies of the Application for Waiver to establish an Activity and Use Restriction (AUR) relative to historic solid waste buried on the site property. This application is submitted as requested under Order #4 in the attached Administrative Order (No. 14-026 WMD) issued by the New Hampshire Department of Environmental Services (NHDES) on August 29, 2014.

If you have any questions or need additional information, please contact the undersigned.

Sincerely,
Aries Engineering, Inc.

George C. Holt, P.G.
Senior Hydrogeologist

Michael P. Donahue, P.E.
Principal Engineer

GCH:kd

Attachments: Application for Waiver - three (3) copies

cc: James Bonia - Tri-State Car Crushing

DES Waste Management Division
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

WAIVER APPLICATION
Tri-State Car Crushing
902 NH Route 10
Lempster, New Hampshire

NHDES Site No. 200203024
Project Type: ETHER
Project Number: 11699

Prepared for:
Tri-State Car Crushing
902 NH Route 10
Lempster, New Hampshire 03605
Phone Number: (603) 731-3460
Contact Name: Mr. James Bonia
Contact Email: tristatecarcrushing@yahoo.com

Prepared by:
Aries Engineering, Inc.
46 South Main Street
Concord, New Hampshire 03301
Phone Number: (603) 228-0008
Contact Name: George C. Holt
Contact Email: gholt@aries-eng.com

Date of Report: January 2015
File No. 2008-016M

Tom Roy Soy

Michael P. Donahue, P.E.
Principal Engineer

George C. Holt, P.G.
Senior Hydrogeologist

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NEW HAMPSHIRE DEPARTMENT OF Environmental Services

Waste Management Division

For Office Use Only:
WMD Log #:_____
Date Rec'd.:_____
No. of Copies:_____

APPLICATION FOR WAIVER

pursuant to
the provisions of Part Env-Sw 202 of the New Hampshire Solid Waste Rules

APPLICATION FILING AND PROCESSING INSTRUCTIONS

(1) Complete this form by providing all of the information requested. If you need more space than provided on the form to answer a particular question and you are using a paper copy of this form, attach additional pages as necessary; mark each page clearly to show both the applicant name and the question being answered; and indicate on the form that the additional pages are attached

(2) Submit **THREE** copies of the completed application form, **EACH bearing ORIGINAL signatures**, to the following address:

New Hampshire Department of Environmental Services (DES)
Waste Management Division (WMD)
Permitting & Design Review Section (P&DRS)
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

(3) All references on this form that begin with "Env-Sw" are citations from the New Hampshire Solid Waste Rules. You may obtain a copy of the Rules from the DES Public Information and Permitting Office at (603) 271-2975. The Rules are also available on the Internet at http:\\www.des.nh.gov.

(4) DES will process your application in conformance with Env-Sw 202, Env-Sw 304 and Env-Sw 305.

(5) For further assistance with completing this form, contact the DES Permitting & Design Review Section (P&DRS) at (603) 271-2925 or at the above noted mailing address.

(6) You may also contact DES at TDD Access: Relay NH 1 (800) 735-2964.

SECTION I. APPLICANT IDENTIFICATION

(1)	Name: Tri-State Car Crushing			
(2)	Mailing address: 902 NH Route 10, Lempster, New Hampshire 03605			
(3)	Telephone number: (603) 731-3460			
(4)	If different than above, identify the individual associated with and designated by the applicant to be the contact individual for matters concerning this application:			
	(a)	Name: James Bonia	(b)	Title: Owner
	(c)	Mailing address: 902 NH Route 10, Lempster, New Hampshire 03605		
	(d)	Telephone number: (603) 731-3460	(e)	E-mail: tristatecarcrushing@yahoo.com
(5)	If the applicant is an individual, provide date of birth and go to Section II:			
(6)	If the applicant is a corporation, partnership or other association, provide the following information as specified:			
	(a)	The facility is owned by a: ☐ corporation ☐ partnership ☒ other association		
	(b)	State of incorporation/formation: New Hampshire		
	(c)	Principal business address: 902 NH Route 10, Lempster, New Hampshire 03605		
	(d)	Provide on separate paper and attach/mark as "Attachment I(6)(c)," the names and addresses of all directors, officers and shareholders (*), if for a corporation; all partners (whether general or limited), if for a partnership; or all principals, members or participants, if for another type of association. (*) For a privately held corporation, identify all shareholders. For a publicly traded corporation, identify all shareholders owning 10% or more of the corporation's equity or debt.		

SECTION II. FACILITY OR ACTIVITY TO WHICH THIS REQUEST RELATES

Identify the particular facility or activity to which this application for waiver relates.

(1)	Related activity [check that which applies]:			
	☒	Application for a Standard Permit	☐	Application for a Permit-by-Notification
	☐	Application for an Emergency Permit	☐	Application for Research & Development Permit
	☐	Application to certify a waste-derived product for distribution and use	☐	Application for Operator Certification
	☐	Application to modify a permit (specify the permit number): DES-SW- - -		
	☐	Other (specify):		
(2)	If the requested waiver relates to a particular application, provide the date the application was/will be submitted to DES: N/A			
(3)	If the requested waiver relates to a particular facility, provide the facility name and location in the space below. (Note: For a waiver relating to a particular facility, you must also notice the host municipality, host solid waste district and, in some instances, the abutters, as specified by Section IV of this form).			
	(a)	Facility name: NHDES Site # 200203024; Project # 11699		
	(b)	Street address: 902 NH Route 10		
	(c)	Town/City: Lempster		

SECTION III. SPECIFIC RULE(S) FOR WHICH A WAIVER IS SOUGHT

Below, identify the specific solid waste rule(s) that you wish to have waived. Give the complete "Env-Sw" citation(s).

Env-Sw 302.02- Solid Waste Permit Required

SECTION IV. NOTICE OF FILING REQUIREMENTS

(1) If this application for waiver relates to a particular facility, you must send by certified mail, or deliver in hand, a complete copy of this application and a "notice of filing" to the host municipality, host solid waste management district and other affected entities, as specified by Env-Sw 303. To identify the host solid waste management district, contact the host town/city office or the P&DRS at (603) 271-2925.

(2) In addition, if this application for waiver is to reduce the required setback distance to any residence or property line, a notice of filing must be provided to the affected property owner(s) as specified in Env-Sw 303.

(3) A copy of the required notice(s) of filing and proof of receipt [i.e., signature(s) of the recipient(s) acknowledging receipt] must be attached to and submitted with this application for waiver, unless you are combining the notice of filing with the notice requirements for a related permit application as indicated by item (4) below.

(4) If this application for waiver is being submitted as part of an application for a facility permit or permit modification, the required notice(s) of filing may be combined with the notice(s) of filing prepared for the permit application/permit modification application itself. If so, check here: ☐

(5) For assistance with preparing the required notice of filing, please refer to either Env-Sw 303 or "A Guide for Preparing Notices of Filing." If the guide is not included with this application form, you may obtain a copy from the P&DRS at (603) 271-2925.

SECTION V. REASON FOR REQUESTING WAIVER

Explain why a waiver is being requested, including an explanation of the hardship that would be caused by having to comply with the rule. Use extra paper as necessary.

A waiver to the solid waste permitting requirements under Env-Sw 302.02 is requested to manage the historic disposal of solid waste at the site property as directed by NHDES as part of Order #4 of the attached August 29, 2014, New Hampshire Department of Environmental Services (NHDES) Administrative Order No. 14-026, which requires, in part, Tri-State to submit a complete waiver application and prepare an Activity and Use Restriction (AUR) form intended to limit disturbance of the remaining solid waste located at the site property. If the NHDES-required waiver is not approved, strict compliance with the rule would result in an adverse effect on the environment, public health and safety, as the rule would require off-site disposal of the buried solid waster material in an existing landfill, which would require transportation to a landfill located many miles from the site, which would result in an increased air emissions and noise from the truck traffic, and may increase the potential for inadvertent release of airborne dust that would pose a risk to public health and safety.

SECTION VI. PROPOSED ALTERNATE PROCEDURE, METHOD OR ACTIVITY

Provide a full explanation of any alternate procedure, method, or other activity that you propose to substitute for the procedure, method or activity you wish to have waived. Include written documentation and/or data to support the proposed alternative. Use extra paper as necessary.

The alternate procedure will be to mange the buried site solid waste using an Activity and Use Restriction, which would limit distrubance of the site solid waste and provide notice to future site land owners of the presence of the historic buried solid waste at the site.

SECTION VII. DURATION OF WAIVER

Specify the proposed duration for the requested waiver. If you are seeking a "permanent" waiver, including one that would expire when the facility to which it relates may close, so state and provide the desired starting date.

Proposed effective/starting date: January 2015

Proposed expiration date: ***OR*** ☒ I am seeking a "permanent" waiver

SECTION VIII. DEMONSTRATION OF CRITERIA

Provide a full explanation of why you believe that having the waiver granted will meet the below listed criteria. [Note: Economic, technological, practical application and safety issues shall be considered in evaluating a demonstration of the criteria; however, the merits of the application shall not be weighed solely on the basis of cost].

Criteria for Waiver, pursuant to Env-Sw 202.04:

(a) Exemption from complying with the rule shall:
1. Not result in an adverse effect to the environment or natural resources of the state, public health or to public safety.
2. Not result in an impact on abutting properties that is more significant than that which would result from complying with the rule.
3. Be in keeping with the intent and purpose of the rule being waived.

(b) One or more of the following conditions shall be satisfied:
1. Strict compliance with the rule will result in an adverse effect on the environment, public health or safety; AND/OR
2. Strict compliance with the rule will result in a circumvention of the goals and objectives of the state's solid waste management program, as specified in RSA 149-M:1 through 3 and the state solid waste management plan; AND/OR
3. Strict compliance with the standard will provide no benefit to the public and will cause an operational or economic hardship to the applicant.

Use the space below to provide your demonstration. Use extra paper as necessary.

See statements in Attachment B.

SECTION IX. CERTIFICATION OF COMPLIANCE/COMPLIANCE REPORT

If you are able to certify that each of the following statements is true, do so by your signature. If you are unable to certify that each of the following statements is true, you must prepare a separate Compliance Report as specified by Env-Sw 303.15.

COMPLIANCE STATEMENT

The applicant shall certify that each of the statements listed in (1)-(8) below are true for each of the following individuals and entities:

- ☐ **the applicant, and**
- ☐ **the facility owner, and**
- ☐ **the facility operator, and**
- ☐ **all individuals and entities holding 10% or more of the applicant's debt or equity, and**
- ☐ **all of the applicant's officers, directors, and partners, and**
- ☐ **all individuals and entities having managerial, supervisory or substantial decision making authority and responsibility for the management of facility operations or the activity(s) for which approval is being sought**

(1)	No individual or entity listed above has been convicted of or plead guilty or no contest to a felony in any state or federal court during the 5 years before the date of the application.
(2)	No individual or entity listed above has been convicted of or plead guilty or no contest to a misdemeanor for a violation of environmental statutes or rules in any state or federal court during the 5 years before the date of the application.
(3)	No individual or entity listed above has owned or operated any hazardous or solid waste facility which has been the subject of an administrative or judicial enforcement action for a violation of environmental statutes or rules during the 5 years before the date of the application.

(4)	No individual or entity listed above has been the subject of any administrative or judicial enforcement action for a violation of environmental statutes and rules during the 5 years before the date of the application.	
(5)	All hazardous and solid waste facilities owned or operated in New Hampshire by any individual or entity listed above are in compliance with either.	
	(a)	All applicable environmental statutes, rules, and DES permit requirements.
	(b)	A DES approved schedule for achieving compliance therewith.
(6)	All individuals and entities listed above are in compliance with all civil and criminal penalty provisions of any outstanding consent agreement, settlement, or court order to which DES is a party.	
(7)	All individuals and entities listed above have paid, or are in compliance with the payment schedule for any administrative fine assessed by DES.	
(8)	All individuals and entities listed above are in compliance with all terms and conditions under every administrative order, court order or settlement agreement relating to programs implemented by DES.	

Signature of the applicant certifying the above statements are true:

Applicant Name **(Print Clearly or Type)** See Compliance Report in Attachment C.

Applicant Signature _____

Date _____

OR

Circle the untrue statement(s) and attach a Compliance Report, pursuant to Env-Sw 303.15

SECTION X. APPLICANT SIGNATURE REQUIREMENTS

The applicant must sign the following statement prior to submitting this application. All copies of the application filed with DES must bear the applicant's original signature. If the applicant is not an individual, an individual duly authorized by the applicant shall sign the application.

To the best of my knowledge and belief, the information and material submitted herewith is correct and complete. I understand that any approval granted by DES based on false and/or incomplete information shall be subject to revocation or suspension, and that administrative, civil or criminal penalties may also apply.

Applicant Name **(Print Clearly or Type)** James Bonia, Owner

Applicant Signature James Bonia

Date 1-22-15

SECTION XI. PROPERTY OWNER SIGNATURE

For applications relating a specific facility or activity, sited or to be sited on property not owned by the applicant, the property owner must also sign this form as follows. All copies of the application filed with DES must bear the property owner's ORIGINAL signature. If the property owner is not an individual, an individual duly authorized by the property owner shall sign the application.

(1)	I hereby affirm that the applicant has, or shall be granted, the legal right to occupy and use the property on which the subject facility is or will be located for the purposes specified in this application.
(2)	I hereby affirm that I shall grant access to the property for closure and post-closure monitoring of the subject facility and site as required by RSA 149-M and the New Hampshire Solid Waste Rules (Env-Sw 100-300 and Env-Sw 400-2000), as amended.

Property Owner Name **(Print Clearly or Type)** James Bonia, Owner

Property Owner Signature James Bonia

Date 1-22-15

ATTACHMENT A
APPLICATION FOR WAIVER
"Attachment I(6)(c)"
Applicant: Tri-State Car Crushing
Site: 902 NH Route 10, Lempster, New Hampshire

Names and address of Corporate Officer:

James Bonia, Owner
902 NH Route 10, Lempster, New Hampshire 03605
(603) 731-3460
tristatecarcrushing@yahoo.com

ATTACHMENT B
APPLICATION FOR WAIVER
Detailed Responses
Applicant: Tri-State Car Crushing
Site: 902 NH Route 10, Lempster, New Hampshire

Section V. Reason for Requesting Waiver

Explain why a waiver is being requested, including an explanation of the hardship that would be caused by having to comply with the rule.

A waiver is required by the New Hampshire Department of Environmental Services (NHDES) under Order #4 in the attached Administrative Order (No. 14-026 WMD) (see Appendix B) issued by the New Hampshire Department of Environmental Services (NHDES) on August 29, 2014 to Tri-State Car Crushing (Tri-State). Tri-State has no other economically feasible alternative to address historic solid waste buried at the Tri-State property (site) located at 902 NH Route 10, Lempster, New Hampshire.

A description of the nature and extent of the site historic buried solid waste is provided in a February 11, 2014, *Test Pit Investigation Summary Report* (TP Report) prepared by the NHDES-selected contractor, GeoInsight, Inc. (GeoInsight) of Manchester, New Hampshire. The GeoInsight TP Report is attached in Appendix C.

GeoInsight's site test pit explorations identified several areas of debris-containing fill material across the site, with fill thicknesses ranging between approximately one foot and six feet across much of the site. GeoInsight reported the debris to consist of 5 to 30 percent solid waste consisting primarily of metal debris, glass, and plastic fragments. GeoInsight reported the presence of scrap automotive parts including a license plate, a catalytic converter, a tire, and miscellaneous metal, bolts, rebar, etc., in the fill material. Based in GeoInsight's Figure 3 – Test Pit Description Plan, the observed metal debris extends across an approximate 300-foot by 200-foot (60,000 square-foot) area. Assuming an average thickness of 3 feet, Aries estimates the volume of the metal debris-containing fill to be approximately 180,000 cubic feet, or approximately 6,700 cubic yards.

Automotive fuel tanks or other obvious petroleum source materials were not observed during the advancement of the test pits. GeoInsight further reported that, "a definable date range for emplacement of the waste could not be determined".

GeoInsight reported that soil samples collected from these locations and submitted for laboratory analysis met the applicable NHDES Soil Remediation Standards (SRSs), with the exception of two soil samples collected from test pit excavations TP-6 and TP-17. Subsequent site remediation work approved by the NHDES Oil Remediation and Compliance Bureau (ORCB) and conducted by Aries in November and December 2014, included the removal of approximately

572.44 tons of residual petroleum-contaminated soil and debris from the vicinity of GeoInsight's test pit excavations TP-6 and TP-17. The petroleum-contaminated soil and debris were transported to North Country Environmental Services, Inc. in Bethlehem, New Hampshire for landfill disposal. Consistent with GeoInsight's field observations, Aries did not observe an obvious source for the excavated petroleum-contaminated soil in solid waste debris.

Section VIII. Demonstration of Criteria

Provide a full explanation of why you believe that having the waiver granted will meet the below listed criteria. [Note: Economic, technological, practical application and safety issues shall be considered in evaluating a demonstration of the criteria; however, the merits of the application shall not be weighed solely on the basis of cost].

1. Not result in an adverse effect to the environment or natural resources of the state, public health or to public safety.

Granting the waiver will not result in an adverse effect to the environment or natural resources of the state, public health or to public safety. As reported by GeoInsight, "obvious petroleum source materials were not observed during the advancement of the test pits". GeoInsight further indicated that soil samples analyzed met applicable NHDES Soil Remediation Standards (SRSs). As such, the reported solid waste debris present in the site fill material is not anticipated to represent a source of soil or groundwater contamination.

As required by NHDES under Order #4 of Administrative Order No. 14-026 WMD, an Activity and Use Restriction (AUR) is required to be recorded in the chain-of-title for the site property intended to limit disturbance of the historic buried solid waste. A proposed Notice of AUR is attached in Appendix D.

2. Not result in an impact on abutting properties that is more significant than that which would result from complying with the rule.

Impact to abutting properties is not anticipated under the proposed waiver. Compliance with Env-Sw 202 would potentially result in adverse impacts to the abutting properties due to greater site-area disturbance if the estimated 6,700 c.y. of metal-containing fill material were required to be excavated and transported to an off-site landfill for disposal.

3. Be in keeping with the intent and purpose of the rule being waived.

RSA 149-M states that the purpose of the NH solid waste rules is "to protect human health, to preserve the natural environment, and to conserve precious and dwindling natural resources through the proper and integrated management of solid waste." The impacts to human health and the environment would be mitigated by keeping the wastes below grade and managed under an AUR, as required under Order #4 in the site Administrative Order No. 14-026 WMD.

Further, management of the solid waste in an on-site disposal area would preserve landfill disposal capacity for other uses.

(b) One or more of the following conditions shall be satisfied:

> *1. Strict compliance with the rule will result in an adverse effect on the environment, public health and safety; AND/OR*

Strict compliance with the rule will result in an adverse effect on the environment, public health and safety, as the rule would require disposal in an existing landfill, which would require transportation to a landfill located many miles from the site, which would result in an increased air emissions and noise from excavating equipment and truck traffic, and may increase the potential for inadvertent release of airborne dust that could adversely affect public health and safety.

> *2. Strict compliance with the rule will result in a circumvention of the goals and objectives of the state's solid waste management program, as specified in RSA 149-M:1 - 3 and the state solid waste management plan; AND/OR*

Although strict compliance with the rule would not circumvent the goals and objectives of the state's solid waste management program and plan, it is noted that disposal of the entire volume of solid waste in an off-site landfill would consume valuable and dwindling landfill capacity.

> *3. Strict compliance with the rule will provide no benefit to the public and will cause an operational or economic hardship to the applicant.*

Strict compliance with the rule would provide no benefit to the public, as the on-site disposal of the solid waste will provide an equally protective solution to prevent public contact and exposure to the waste.

Strict compliance with the rule would cause an economic hardship to the applicant, as the approximate 6,700 c.y. of solid waste-containing fill material would need to be disposed of at a landfill many miles away, resulting in higher transportation and disposal costs than would be incurred if the waste was disposed of in an on-site area.

ATTACHMENT C
APPLICATION FOR WAIVER
Compliance Report
Applicant: Tri-State Car Crushing
Site: 902 NH Route 10, Lempster, New Hampshire

Env-Sw 303.15 Compliance Report.

(a) Applicants unable to certify compliance pursuant to Env-Sw 303.14 shall submit a compliance report as specified by (b) below.
(b) The compliance report shall include:
(1) A complete explanation of the circumstances which cause any statement in Env-Sw 303.14(b)(1) through (b)(8) to be untrue;

In the attached April 20, 2010, New Release from the NH Department of Justice (NHDOJ), Sullivan County Superior Court has approved a settlement between NHDES and James Bonia d/b/a Tri-State Car Crushing, an automotive salvage yard on Route 10, in Lempster, New Hampshire. The settlement resolved violations of the State's solid waste, hazardous waste, and groundwater protection statutes and regulations.

In the attached October 11, 2013, New Release from the NH NHDOJ, the Sullivan County Superior Court found James Bonia in violation of the prior 2010 consent decree related to his operation of Tri-State Car Crushing. After a hearing, the court prohibited Mr. Bonia from ever again owning or operating a motor vehicle salvage yard in the State without prior approval, and imposed $84,000 in civil penalties that had previously been suspended.

(2) For each circumstance which causes a statement in Env-Sw 303.14(b)(1) through (b)(8) to be untrue, an explanation as to why the department should not find it to be grounds for denying the requested approval pursuant to the provisions of RSA 149-M:9,IX or X:

The NHDES should not deny the requested approval as NHDES explicitly required the waiver request under Order #4 in the attached Administrative Order (No. 14-026 WMD) (see Appendix B) issued by the New Hampshire Department of Environmental Services (NHDES) on August 29, 2014 to Tri-State Car Crushing (Tri-State). Tri-State has indicated that there is no other economically feasible alternative to address historic solid waste buried at the Tri-State property (site) located at 902 NH Route 10, Lempster, New Hampshire.

(3) For each circumstance which causes a statement in Env-Sw 303.14(b)(5) through (b)(8) to be untrue, a plan and schedule by which the applicant proposes to achieve full compliance.

Within 15 days of approval of this waiver request, the applicant will record in the site property's chain-of-title at the Sullivan County Registry of Deeds a Notice of Activity and Use Restriction (AUR) intended to limit disturbance of the historic buried solid waste, consistent with Order #4 of site Administrative Order No. 14-026 WMD. A proposed Notice of AUR is attached in Appendix D.

APPENDIX A

LIMITATIONS

LIMITATIONS

Aries prepared this WAIVER APPLICATION (report) on behalf of and for the exclusive use of Tri-State Car Crushing (Client) solely for use at the Tri-State Car Crushing in Lempster, New Hampshire. This report shall not be transmitted to any other party, or relied upon by any other party, without Aries' written consent. However, Aries acknowledges the report may be conveyed to the New Hampshire Department of Environmental Services.

Aries made the reported observations under the conditions stated herein. Aries based the report conclusions solely on the services described herein, and not on scientific tasks or procedures beyond the scope of described services.

In preparing this report, Aries relied on certain information provided by state officials, federal officials and other parties referenced herein, and on information contained in the files of federal, state and local agencies available to Aries at the time of the report. Although there may have been some degree of overlap in the information provided by these various sources, Aries did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this report.

Aries made site observations as reported. Where access to portions of the sites were unavailable or limited, Aries renders no opinion as to the presence of solid waste, hazardous material, petroleum product, or to the presence of indirect evidence relating to solid waste, hazardous material or petroleum product, in those portions of the site. In addition, Aries renders no opinion as to the presence of solid waste, hazardous material, petroleum product, or to the presence of indirect evidence relating to solid waste, hazardous material or petroleum product, where direct observation was obstructed by objects or coverings, including snow cover, on or over the solid waste, hazardous material or petroleum product.

Aries' conclusions are based solely on the site observations made during the site reconnaissances. If variations or other latent conditions later appear evident, Aries may need to reevaluate and may change the report conclusions and/or recommendations.

Aries did not attempt to check the compliance of present or past site owners or operators with federal, state or local laws and regulations, environmental or otherwise.

Aries anticipates variations in actual site conditions beyond those interpreted, and would have to reevaluate the report conclusions and recommendations if additional site data are made available.

Aries conducted this report in general accordance with accepted consulting practices. Aries makes no warranty, either expressed or implied.

APPENDIX B

NHDES ADMINISTRATIVE ORDER (No. 14-026 WMD)

The State of New Hampshire

DEPARTMENT OF ENVIRONMENTAL SERVICES

Thomas S. Burack, Commissioner

James Bonia
P.O. Box 149
Farmington, NH 03835

Re: Tri-State Car Crushing
904 NH Route 10, Lempster, NH

ADMINISTRATIVE ORDER
NO. 14-026 WMD

August 29, 2014

A. INTRODUCTION

This Administrative Order is issued by the Department of Environmental Services, Waste Management Division, to James Bonia pursuant to RSA 149-M:15. This Administrative Order is effective upon issuance.

B. PARTIES

1. The Department of Environmental Services, Waste Management Division ("DES"), is a duly-constituted administrative agency of the State of New Hampshire, having its principal office at 29 Hazen Drive in Concord, New Hampshire.

2. James Bonia is an individual having a mailing address of P.O. Box 149, Farmington, NH 03835.

C. STATEMENTS OF FACTS AND LAW

1. Pursuant to RSA 149-M, DES regulates the management of solid wastes and the Commissioner of DES has adopted NH CODE ADMIN. RULES Env-Sw 100-2000 (the "Solid Waste Rules") to implement this program.

2. James Bonia is the owner of real property located at 904 NH Route 10 in Lempster, New Hampshire, more particularly described on Lempster Tax Map 227 as Lot 28 (the "Property"). James Bonia, doing business as "Tri-State Car Crushing," operated a motor vehicle salvage facility on the Property.

3. In August of 2012, DES was observing court-ordered excavation of petroleum contaminated soil on the Property when workers encountered a layer of buried solid waste.

4. On September 17, 2012, DES issued Letter of Deficiency ("LOD") No. WMD 12-020 to James Bonia. In LOD #WMD 12-020, DES requested that Mr. Bonia hire a qualified environmental consultant to assist him in determining the nature and extent of the solid waste buried on the Property.

5. In November of 2013, consultants from GeoInsight, Inc. and TMC Environmental excavated 29 test pits on the Property; and, monitored volatile organic compounds in soil samples collected from the test pits using a handheld photoionization detector. A thin layer of buried scrap metal pieces and solid waste was discovered in 16 test pits across the entire Property.

6. Mr. Bonia admitted to DES Staff that he covered debris, scrap metal pieces, and solid waste with clean fill on the Property.

7. RSA 149-M:9, II, states that it shall be unlawful to transport solid waste to, or to dispose of solid waste at, any facility other than an approved facility.

8. RSA 149-M:9, I, and Env-Sw 402.01(a), state that no person shall construct, operate, or close a solid waste facility without first obtaining a permit from DES.

9. RSA 149-M:4, IX, defines a solid waste facility as "a location, system, or physical structure for the collection, separation, storage, transfer, processing, treatment, or disposal of solid waste."

10. RSA 149-M:4, XXII defines "solid waste" in part, as "any matter consisting of putrescible material, **refuse**, residue from an air pollution control facility, and other discarded or abandoned material. [..] " (**emphasis** added)

11. Pursuant to RSA 149-M:4, XXI, "refuse" means and includes "any waste product, solid or having the character of a solid rather than a liquid in that it will not flow readily without additional liquid, and which is composed wholly or partly of such materials as [..] trash, rubbish, litter, industrial or domestic solid wastes; [..] construction and demolition debris; or accumulated waste material, cans, containers, tires, junk, or other such substances which may become a nuisance."

12. The layer of scrap metal pieces and refuse buried on the Property is solid waste as defined by RSA 149-M:4, XXII. DES personnel reviewed agency records and determined that no permit has been issued by DES for a solid waste facility at the Property.

13. The Property constitutes a solid waste facility as defined by RSA 149-M:4, IX.

14. James Bonia operated an unpermitted solid waste facility on the Property.

D. Determination Of Violations

1. James Bonia violated RSA 149-M:9, I, and Env-Sw 402.01(a), by operating a solid waste facility on the Property without a permit.

2. James Bonia violated RSA 149-M:9, II, by transporting solid waste to, and disposing of, solid waste at an unpermitted facility.

E. Order

Based on the above findings and determinations, DES hereby orders James Bonia as follows:

1. **James Bonia shall immediately** cease transporting solid waste to, and disposing of, solid waste on the Property.

2. **Within 45 days from the date of this Order**, James Bonia shall excavate and remove all unpermitted solid waste from the Property and dispose of it at a facility permitted to accept such waste.

3. **Within 60 days from the date of this Order**, James Bonia shall submit to DES all disposal receipts documenting the removal and proper disposal of all solid waste from the Property.

4. In lieu of the requirements set out in the preceding two paragraphs, James Bonia may contract with a professional engineer or geologist licensed in the state of New Hampshire to submit to DES, **within 45 days from the date of this Order**, a complete waiver application requesting waiver of the permitting requirements for disposal of solid waste set out in Env-Sw 202. James Bonia shall include with his waiver application a proposed Activity in Use Restriction form that fully describes the extent and character of the solid waste buried on the Property. The proposed Activity in Use Restriction form shall include sufficient limitations on activities on the Property to limit disturbance of the buried solid waste, and prevent any further adverse impact to the environment, and to public health. The proposed Activity in Use Restriction form shall also include provisions for the proper handling and disposal of any solid waste that is disturbed by any activities on the Property. Upon approval of the waiver application and Activity in Use Restriction form by DES, James Bonia shall record the Activity in Use Restriction form in the chain of title to the Property at the Cheshire County Registry of Deeds, and provide DES with documentation of the recordation of the document, **within 15 days of the date of such approval**.

5. James Bonia shall send **all** correspondence, data, reports, and other submissions made in connection with this Administrative Order, other than appeals, to DES as follows:

Tara Mae Albert, Waste Management Specialist III, SWMB
DES Waste Division
P.O. Box 95
Concord, NH 03302-0095
Fax: (603) 271-2938
e-mail: Tara.Albert@des.nh.gov

F. APPEAL

Any person aggrieved by this Order may appeal the Order to the N.H. Waste Management Council ("Council") by filing an appeal that meets the requirements specified in RSA 21-O:14 and the rules adopted by the Council, Env-WMC 200. The appeal must be filed **directly with the Council within 30 days** of the date of this decision and must set forth fully **every ground** upon which it is claimed that the decision complained of is unlawful or unreasonable. Only those grounds set forth in the notice of appeal can be considered by the Council.

Information about the Council, including a link to the Council's rules, is available at http://nhec.nh.gov/ (or more directly at http://nhec.nh.gov/waste/index.htm). Copies of the rules also are available from the DES Public Information Center at (603) 271-2975.

G. Other Provisions

Please note that RSA 149-M:15 and RSA 149-M:16 provide for administrative fines, civil penalties, and criminal penalties for the violations noted in this Order, as well as for failing to comply with the Order itself. James Bonia remains obligated to comply with all applicable requirements, in particular RSA 149-M, the Solid Waste Rules, and any court orders. DES will continue to monitor James Bonia's compliance with applicable requirements and will take appropriate action if additional violations are discovered.

This Order is being recorded in the Sullivan County Registry of Deeds so as to run with the land.

COPY

Thomas S. Burack, Commissioner
Department of Environmental Services

cc: DES Legal Unit
Tri-State Car Crushing, 904 NH Route 10, Lempster, NH 03605

ec: Public Information Officer, DES PIP Office
K. Allen Brooks, Chief, AGO-Environmental Protection Bureau
Attorney Philip Bradley, AGO-Debt Recovery Unit
Lempster Select Board and Health Officer
Tara Mae Albert, SWMB/WMD/DES

APPENDIX C

TEST PIT INVESTIGATION SUMMARY REPORT

NHDES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, New Hampshire 03302-0095

TEST PIT INVESTIGATION SUMMARY REPORT

TRI-STATE CAR CRUSHING
902 ROUTE 10
LEMPSTER, NEW HAMPSHIRE
NHDES #200203024
PROJECT TYPE: ETHER
PROJECT #11699

Prepared For:
NHDES / Waste Management Division
29 Hazen Drive; PO Box 95
Concord, New Hampshire 03302-0095
Phone: (603) 271-0652
Contact: Jennifer Marts, P.G.
Email: jennifer.marts@des.nh.gov

Prepared By:
GeoInsight, Inc.
186 Granite Street, 3rd Floor, Suite A
Manchester, New Hampshire 03101
Phone Number: (603) 314-0820
Contact Name: Andrea W. Kenter, P.G.
Contact Email: awkenter@geoinc.com

February 11, 2014
GeoInsight Project 7256-000

GeoInsight®
Environmental Strategy & Engineering
Practical in Nature

February 11, 2014 GeoInsight Project 7256-004

Jennifer Marts, P.G.
NHDES / Waste Management Division
29 Hazen Drive / P.O. Box 95
Concord, New Hampshire 03302-0095

Re: Test Pit Investigation Summary Report
Tri-State Car Crushing
902 Route 10
Lempster, New Hampshire
NHDES #200203024

Dear Ms. Marts:

At the request of the New Hampshire Department of Environmental Services (NHDES), (GeoInsight) performed a test pit investigation at the Tri-State Car Crushing facility in Lempster, New Hampshire (Figure 1). The activities were completed in accordance with Assignment #OIL 066-14 dated November 1, 2013 and a work scope approved on November 14, 2013. This assignment was issued to GeoInsight under the NHDES *Site Investigation/Remediation Design and Implementation Oversight and Brownfields Assessment and Cleanup Planning Contract*. This investigation was specifically conducted to further evaluate the nature and extent of solid waste debris discovered at the site during an August 2012 soil excavation. The test pit locations and pertinent site features are depicted on Figure 2. Photographs of the activities are presented in Attachment A.

November 2013 Field Investigation

On November 18 and November 19, 2013, personnel from GeoInsight oversaw TMC Environmental advance 29 test pits throughout the property. The soil and materials encountered in each test pit was described and cataloged and test pit dimensions and orientations were recorded. Test pit logs are presented in Attachment B.

Soil samples were collected from the test pits and field-screened with a photoionization detector (PID). The PID used on November 18, 2013 malfunctioned while screening samples collected from test pit TP-2 and, therefore, soil samples collected from the test pits advanced throughout the remainder of the day (TP-3 through TP-12) were not field-screened. Visual and olfactory observations of soil collected from test pits TP-3 through TP-12 were noted on the test pit logs. PID readings documented during test pit excavation activities ranged from not detected above background levels (1 part per million [ppm]) to 389 ppm. PID readings above 50 ppm were limited to those samples collected from test pits TP-17, TP-21, TP-24, TP-26, TP-28, and TP-29.

GeoInsight, Inc.
186 Granite Street, 3rd Floor, Suite A
Manchester, NH 03101-2643
Tel (603) 314-0820
Fax (603) 314-0821
www.geoinsightinc.com

GeoInsight, Inc.
One Monarch Drive, Suite 201
Littleton, MA 01460-1440
Tel (978) 679-1600
Fax (978) 679-1601

GeoInsight, Inc.
200 Court Street, 2nd Floor
Middletown, CT 06657-3341
Tel (860) 894-1022
Fax (860) 894-1023

Soil and material encountered during the investigation varied throughout the site. In general, the test pits advanced south of the vehicle fluid drain building contained primarily native sand and gravel material. Approximately 3 to 6 feet of sandy fill material underlain by native sand material was observed in the test pits advanced across the remaining portions of the site. Fill materials observed ranged in composition from a matrix of approximately 70 to 95 percent silty sand with 5 to 30 percent woody debris to a matrix of 70 to 95 percent sand with 5 to 30 percent solid waste consisting primarily of metal debris, glass, and plastic fragments. In addition to glass and plastic debris, scrap automotive parts including a license plate, a catalytic converter, a tire, and miscellaneous metal, bolts, rebar, etc. were observed in the fill material. Automotive fuel tanks or other obvious petroleum source materials were not observed during the advancement of the test pits. A layer of "clean" sandy fill material (ie. no visible debris observed) extended from the ground surface to approximately 3 to 6 inches below grade in the test pit areas where metal debris was encountered. This "clean: fill material appeared to serve as a cover for the metal-rich fill. Bedrock was encountered at depths ranging from 5 to 7 feet in test pits TP-8, TP-20, TP-21, TP-22, TP-24, TP-25, and TP-28. A plan depicting the general composition of the test pits is included as Figure 3 with detailed descriptions of the soil and materials encountered during the investigation included in the test pit logs.

Throughout the test pit investigation activities, PID readings in conjunction with visual and olfactory field observations were used to segregate and stockpile petroleum-impacted soil from those materials containing a high concentration of metal solid waste. The stockpiled materials were covered with polyethylene-sheeting and temporarily staged on the concrete vehicle crushing pad prior to off-site disposal at a licensed receiving facility. On December 27, 2013, Casella Waste Systems, Inc. (Casella) combined the stockpiled petroleum soil and metal solid waste debris and transported the material to their North Country Environmental Services landfill in Bethlehem, New Hampshire for disposal. According to the soil disposal documentation provided by Casella, a total of 28.57 tons of material was transported off-site. A copy of the disposal documentation is included as Attachment C.

Soil Analytical Results

A total of 19 soil samples were selected for laboratory analyses from the 29 test pits advanced at the site. Samples were submitted to Spectrum Analytical, Inc. of Agawam Massachusetts for laboratory for all of the following or some subset of the following analyses: Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B, Resource Conservation and Recovery Act (RCRA) 8 metals, total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) by USEPA Method 8015B, TPH as diesel range organics (DRO) by USEPA Method 8015B, polycyclic aromatic hydrocarbons (PAHs) by USEPA Method 8270, and ignitability. Additionally, five surficial (S-1 through S-5) grab soil samples were collected from the upper six inches of soil at locations depicted on Figure 2 for analysis of total lead.

Metals were detected at concentrations above the laboratory practical quantitation limits (PQLs) in all 19 of soil samples collected from the test pits and in each of the five surficial soil samples; however, the concentrations reported did not exceed the NHDES Soil Remediation Standards

(SRSs). Additionally, VOCs, TPH-GRO, TPH-DRO, and/or PAH constituent concentrations were reported below the NHDES SRSs in the soil samples collected and analyzed from test pits TP-2, TP-4, TP-7, TP-12, TP-15, TP-19, TP-21, TP-23, TP-24, TP-26, and TP-29. VOCs and/or TPH constituents were not detected above the laboratory PQLs in the soil samples collected from test pits TP-1, TP-9, TP-11, and TP-18.

Exceedances of the NHDES SRSs were limited to only petroleum constituents reported at the following locations.

- Benzene was detected in the samples collected from test pits TP-6 (0.307 milligrams per kilogram [mg/kg]) and TP-17 (0.438 mg/kg).

- Methyl tertiary butyl either (MTBE) was detected in the sample collected from test pit TP-6 (0.396 mg/kg).

The laboratory analytical report for the November 2013 soil sampling is included as Attachment D and laboratory analytical results are summarized in Table 1.

Data Analysis and Conclusions

Four stratigraphic cross-sections were completed based upon information obtained from the test pit logs to further evaluate the subsurface conditions and locations of solid waste debris at the site. The locations of the cross-sections, identified as A-A,' B-B,' C-C,' and D-D,' are shown on Figure 2 and include the following information.

- Cross-section A-A' (Figure 4), extends west to east across the developed portion of the property, and includes monitoring well MW-11R and test pits TP-21, TP-22, TP-23, TP-26, TP-27, TP-2, TP-3, and TP-15.

- Cross-section B-B' (Figure 5), extends northeast to southwest, and includes test pits TP-1, TP-5, TP-6, and TP-7.

- Cross-section C-C' (Figure 6), extends west to east, and includes test pits TP-19, TP-18, TP-17, and TP-6.

- Cross-section D-D' (Figure 7), extends northwest to southeast, and includes test pits TP-24, TP-25, TP-23, TP-26, TP-28, and TP-29.

As depicted on the cross-sections, an approximately 2- to 4-foot thick layer of fill material containing approximately 20 to 40 percent metal debris is present on northwest portion of the site. The fill area extends in an easterly direction from test pits TP-22 to TP-27 (Figure 4) and in a southerly direction from test pits TP-25 to TP-26 (Figure 7). A second area of fill material containing approximately 30 percent metal debris was observed in the vicinity of test pit TP-3 (Figure 4) and extends from the ground surface to approximately 6 feet below grade. Test pit TP-3 was advanced to the east of the vehicle crushing concrete pad in the center of an

approximately 75 by 50 square foot area that appeared to have been artificially built up with fill to an elevation equal to that of the concrete pad (Figures 2 and 3). A layer of fill containing approximately 25 percent metal debris was observed in test pits TP-4 and TP-5 and extended from the surface to shallower depths (1.5 feet below grade) than test pit TP-3. Due to the presence of fill material observed in test pits to the immediate west (TP-27), east (TP-3), and south (TP-4 and TP-5) of the reinforced concrete vehicle crushing pad, it is likely that metal debris extends beneath the concrete pad.

A significant amount (approximately 25 to 30 percent) of metal waste was also observed from the ground surface to approximately 3 feet below grade in test pits TP-18 and TP-29. Trace metal debris (less than 5 percent) was observed in test pits TP-2, TP-7, TP-16, TP-17, TP-20, and TP-21. The test pits containing trace metal debris generally represents the outer limits of the fill areas on the property.

Although significant metal debris was observed in 10 of the 29 test pits, soil samples collected from these locations and submitted for laboratory analysis met the applicable NHDES SRSs. .

Datable material (printed material, intact glassware, etc.) was not observed and a definable date range for emplacement of the waste could not be determined.

The October 2013 groundwater collected and reported by Aries, Engineering, Inc. (Aeries) of Concord, New Hampshire, was reviewed in conjunction with the findings of this investigation. Benzene and MTBE continue to be the constituents of concern in groundwater at the site and were reported at concentrations above the applicable NHDES Ambient Groundwater Standards (AGQSs) in the groundwater samples collected from those monitoring wells in closest proximity to the vehicle draining building and car crushing pad (MW-2BR, MW-10R, and MW-12). A benzene concentration iso-contour plan is included as Figure 8. Additionally, only MTBE was reported at a concentration above the AGQS in the groundwater samples collected from monitoring wells MW-3R, MW-11R, and SH-2R. A groundwater contour plan was included with the Aeries report and depicts the inferred direction of groundwater flow as east/southeast. Copies of the Aries groundwater table and groundwater contour plan are included in Attachment E.

RECOMMENDATIONS

Given the presence of benzene and MTBE at concentrations above the SRS in the soil samples collected from test pits TP-6 and TP-17, soil impacts in this area of the site may still be contributing to elevated concentrations of benzene and MTBE in site groundwater; notably at well MW-10R. Consideration should be given to conducting a focused delineation and limited excavation in the vicinity of test pits TP-6 and TP-17 for additional source removal beyond that which was completed during the test pit investigation. Based upon field observations and laboratory analytical data, the anticipated average depth of excavation would likely be shallow (5 to 6 feet below grade).

The Solid Waste Bureau should be consulted and a decision made regarding removal of the metal, plastic, and glass debris from the soil in areas where the debris was most concentrated. These areas are represented by the red shading of the test pits on Figure 3.

If you have questions regarding this information, please call us at (603) 314-0820.

Sincerely,
GEOINSIGHT, INC.

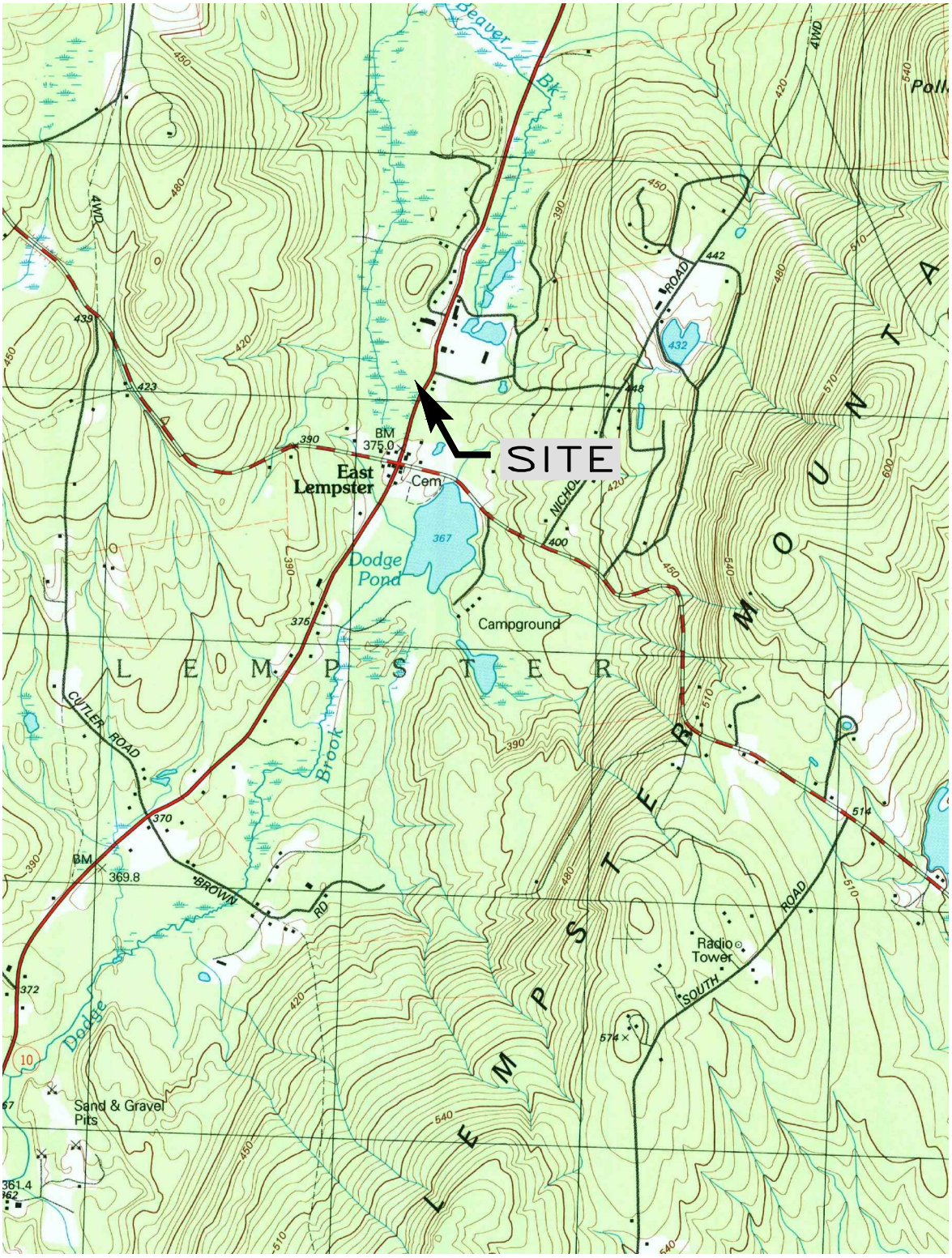
Meaghan M. Broderick
Project Geologist

Andrea W. Kenter, P.G.
Associate/Senior Hydrogeologist

Attachments

P:\7256 Tri-State Car Crushing\Report\7256_2013 TestPitRpt.doc

FIGURES



SOURCE:

USGS EAST LEMPSTER, NEW HAMPSHIRE TOPOGRAPHIC QUADRANGLE DATED 1998.

CONTOUR INTERVAL: 6 METERS

0 2000 4000

APPROX. SCALE IN FEET

CLIENT: NHDES			
PROJECT: TRI–STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE			
TITLE: SITE LOCUS			
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK
SCALE: 1" = 2000'	DATE: 01/22/14	FILE NO.: 7256–LOCUS	PROJECT NO.: 7256–000
FIGURE NO.: 1			

GeoInsight
Practical in Nature

PLOT DATE: 1–22–14
FILE: C:\Users\stmckee\appdata\local\temp\AcPublish_8904\7256–LOCUS.dwg

LEGEND

MW-1	MONITORING WELL LOCATION AND DESIGNATION
MW-4	DESTROYED MONITORING WELL
TP-1	TEST PIT LOCATION AND DESIGNATION
S-1	SURFICIAL SOIL SAMPLE LOCATION AND DESIGNATION
W	WATER SUPPLY WELL
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LOCATION OF 2012 SOIL EXCAVATION AREAS
	APPROXIMATE LIMITS OF ELEVATED AREA (LIKELY FILL)
A — A'	CROSS SECTION

N

NOTES:

1. THIS FIGURE WAS BASED UPON A GOOGLE EARTH PRO IMAGE DATED APRIL 14, 2011, A PLAN PREPARED BY ARIES ENGINEERING, INC. TITLED "SITE PLAN" DATED JULY 2013, AND SITE OBSERVATIONS BY GEOINSIGHT PERSONNEL.
2. TEST PIT DIMENSIONS ARE APPROXIMATELY 5 x 10 FEET.

0 100 200

APPROX. SCALE IN FEET

CLIENT: NHDES				GeoInsight Practical in Nature
PROJECT: TRI-STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE				
TITLE: SITE PLAN				
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK	
SCALE: 1" = 100'	DATE: 01/22/14	FILE NO.: 7256D001	PROJECT NO.: 7256-000	FIGURE NO.: 2

PLOT DATE: 2-7-14
FILE: I:\7256\7256d001.DWG

LEGEND

MW-1	MONITORING WELL LOCATION AND DESIGNATION
MW-4	DESTROYED MONITORING WELL
TP-1	TEST PIT LOCATION AND DESIGNATION
S-1	SURFICIAL SOIL SAMPLE LOCATION AND DESIGNATION
W	WATER SUPPLY WELL
	APPROXIMATE LOCATION OF PROPERTY BOUNDARY
	APPROXIMATE LOCATION OF 2012 SOIL EXCAVATION AREAS
	APPROXIMATE LIMITS OF ELEVATED AREA (LIKELY FILL)
TP-3	TEST PITS CONTAINING SIGNIFICANT METAL DEBRIS (15–40%)
TP-2	TEST PITS CONTAINING TRACE METAL DEBRIS (<5%)
TP-1	TEST PITS CONTAINING WOODY DEBRIS (15–30%)
TP-8	TEST PITS WHERE NATIVE SOIL CONDITIONS WERE OBSERVED

N

NOTES:

1. THIS FIGURE WAS BASED UPON A GOOGLE EARTH PRO IMAGE DATED APRIL 14, 2011, A PLAN PREPARED BY ARIES ENGINEERING, INC. TITLED "SITE PLAN" DATED JULY 2013, AND SITE OBSERVATIONS BY GEOINSIGHT PERSONNEL.
2. TEST PIT DIMENSIONS ARE APPROXIMATELY 5 x 10 FEET.

0 100 200

APPROX. SCALE IN FEET

CLIENT: NHDES			
PROJECT: TRI–STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE			
TITLE: TEST PIT DESCRIPTION PLAN			
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK
SCALE: 1" = 100'	DATE: 02/07/14	FILE NO.: 7256D002	PROJECT NO.: 7256–000
FIGURE NO.: 3			

GeoInsight
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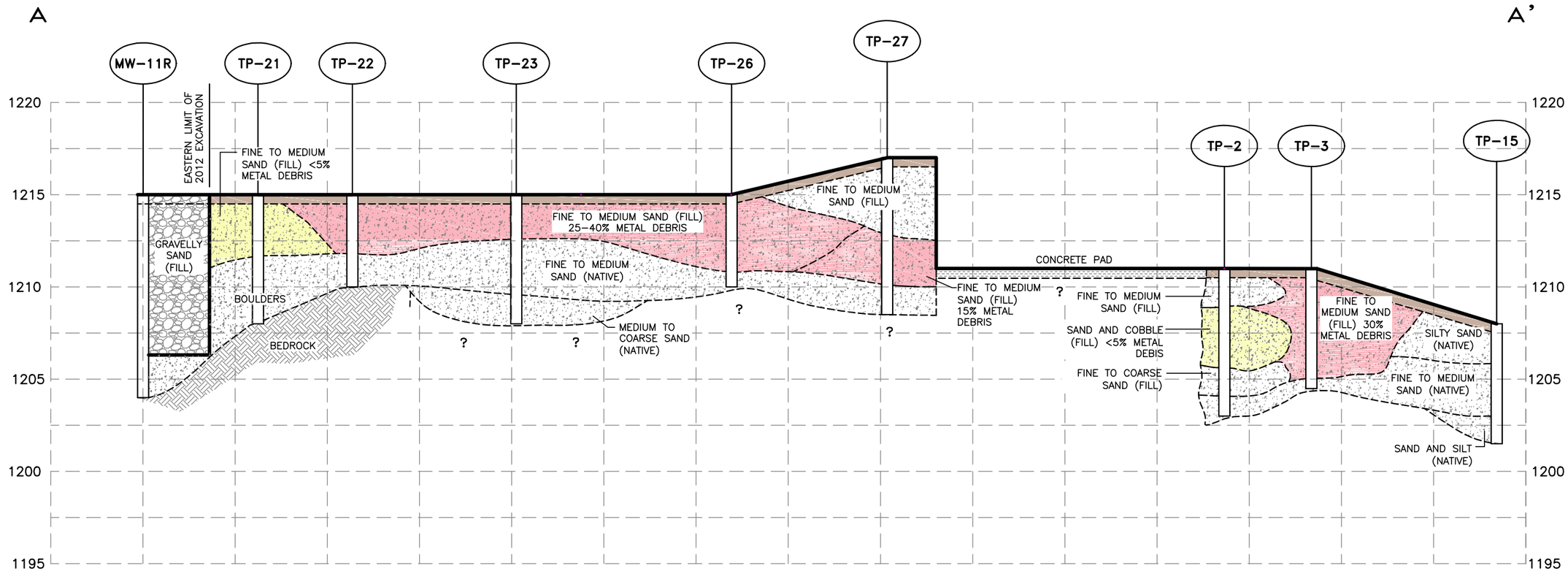
PLOT DATE: 2–7–14
FILE: C:\Users\nmtunstall\appdata\local\temp\AcPublish_5792\7256d002.dwg



0 30 60 HORZ
0 6 12 VERT
APPROX. SCALE IN FEET

NOTES:

- 6" "CLEAN" FILL
- AREA CONTAINING SIGNIFICANT METAL DEBRIS (15-40%)
- AREA CONTAINING TRACE METAL DEBRIS (<5%)
- AREA CONTAINING WOODY DEBRIS (15-30%)

CLIENT: NHDES				GeoInsight Practical in Nature
PROJECT: TRI-STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE				
TITLE: SECTION A-A'				
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK	
SCALE: 1" = 30'	DATE: 02/07/14	FILE NO.: 7256D001	PROJECT NO.: 7256-000	FIGURE NO.: 4

PLOT DATE: 2-7-14
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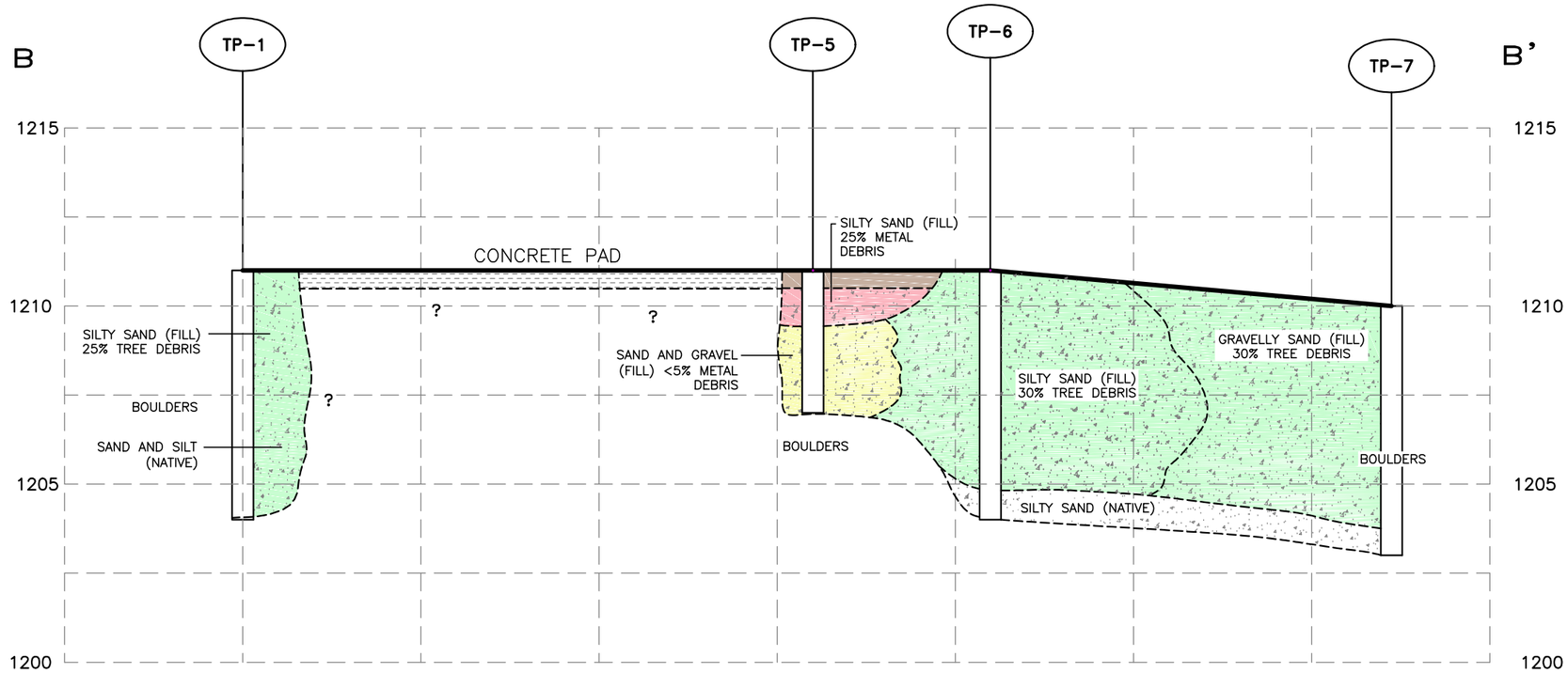

0 20 40 HORZ
0 4 8 VERT
APPROX. SCALE IN FEET

NOTES:

- 6" "CLEAN" FILL
- AREA CONTAINING SIGNIFICANT METAL DEBRIS (15–40%)
- AREA CONTAINING TRACE METAL DEBRIS (<5%)
- AREA CONTAINING WOODY DEBRIS (15–30%)

CLIENT: NHDES			
PROJECT: TRI–STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE			
TITLE: SECTION B–B'			
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK
SCALE: 1" = 30'	DATE: 02/07/14	FILE NO.: 7256D001	PROJECT NO.: 7256–000
FIGURE NO.: 5			

GeoInsight
Practical in Nature

PLOT DATE: 2–7–14
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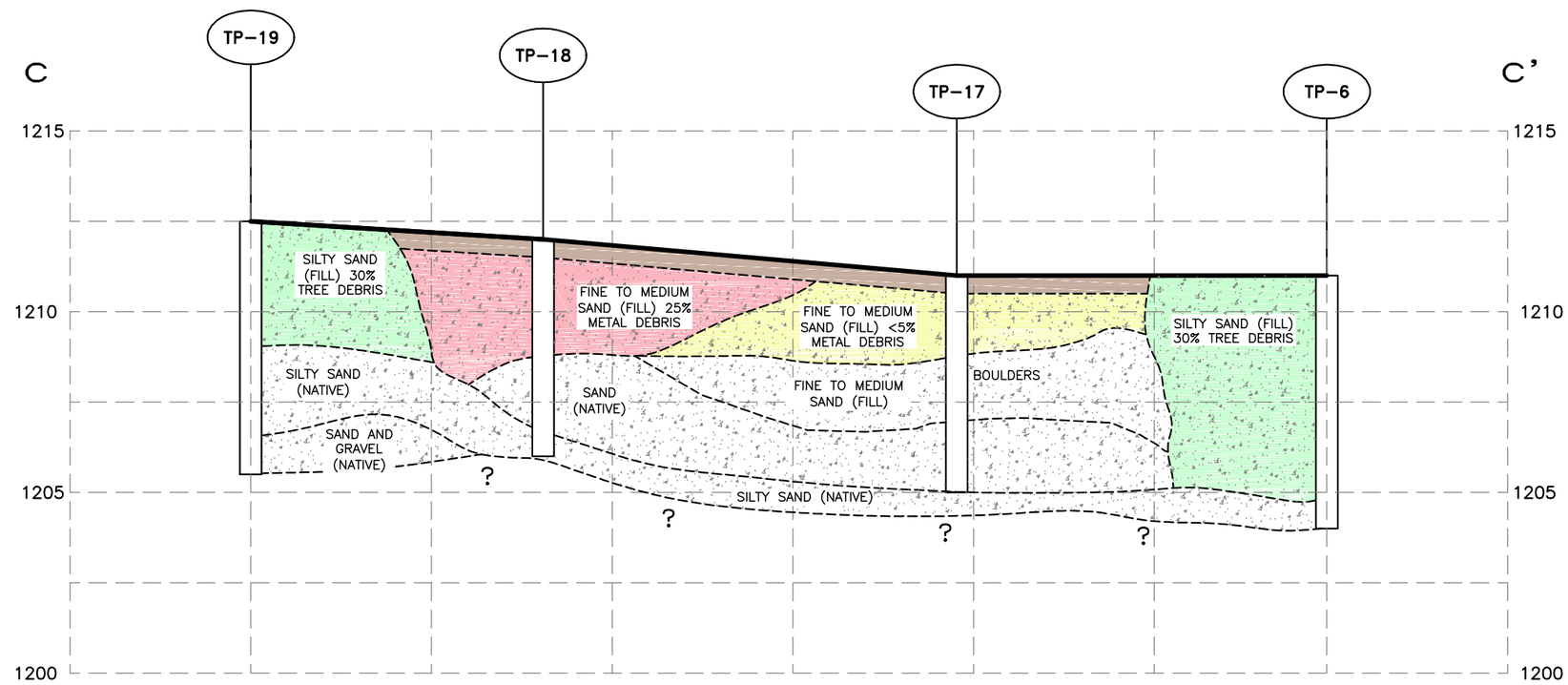


0 20 40 HORZ
0 4 8 VERT
APPROX. SCALE IN FEET

NOTES:

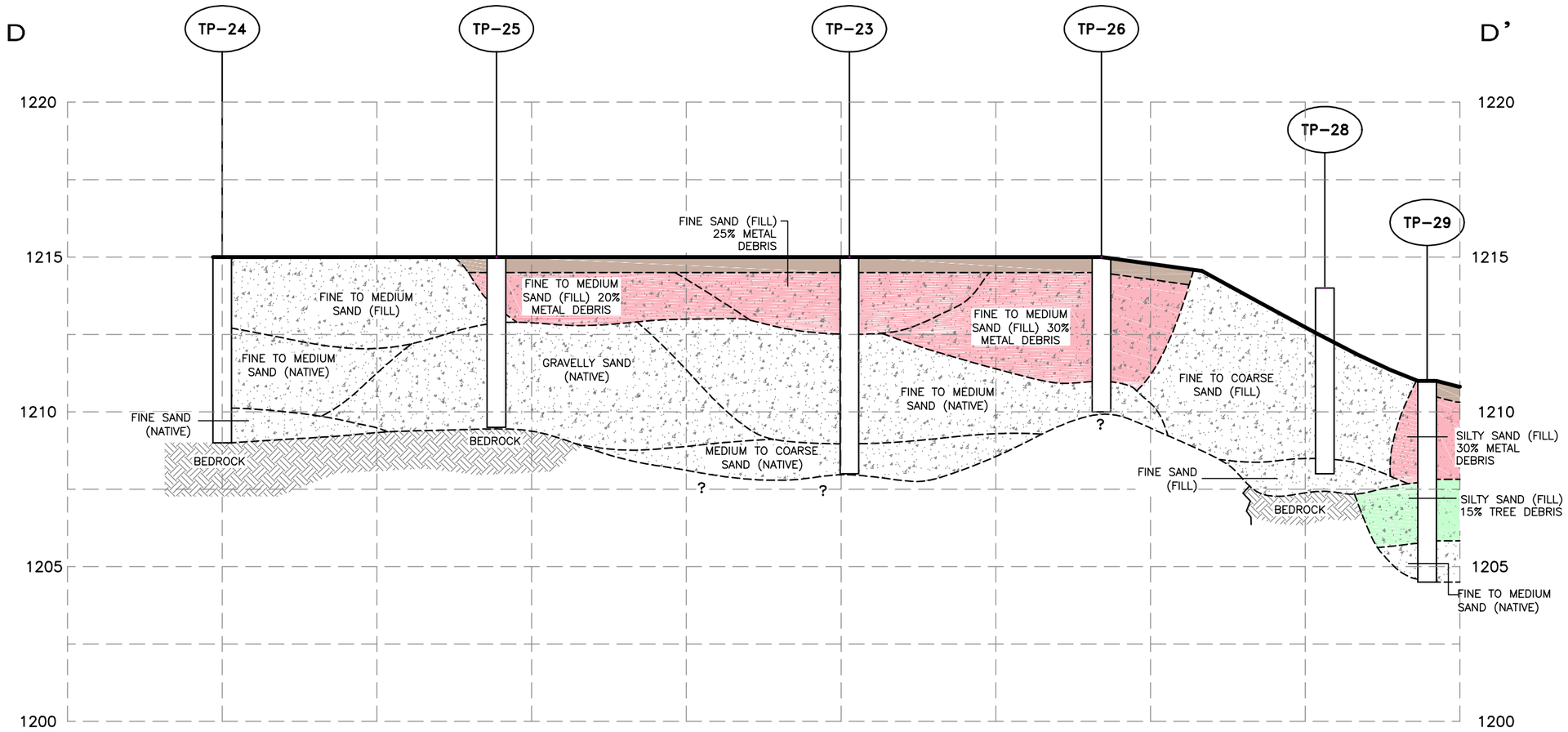
- 6" "CLEAN" FILL
- AREA CONTAINING SIGNIFICANT METAL DEBRIS (15–40%)
- AREA CONTAINING TRACE METAL DEBRIS (<5%)
- AREA CONTAINING WOODY DEBRIS (15–30%)

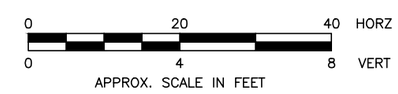
CLIENT: NHDES			
PROJECT: TRI–STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE			
TITLE: SECTION C–C'			
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK
SCALE: 1" = 30'	DATE: 02/07/14	FILE NO.: 7256D001	PROJECT NO.: 7256–000

GeoInsight
Practical in Nature

FIGURE NO.: 6

PLOT DATE: 2–7–14
FILE: C:\Users\nmtunstall\appdata\local\temp\AcPublish_5792\7256d001.DWG





NOTES:

- 6" "CLEAN" FILL
- AREA CONTAINING SIGNIFICANT METAL DEBRIS (15–40%)
- AREA CONTAINING TRACE METAL DEBRIS (<5%)
- AREA CONTAINING WOODY DEBRIS (15–30%)

CLIENT: NHDES			
PROJECT: TRI–STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE			
TITLE: SECTION D–D'			
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK
SCALE: 1" = 30'	DATE: 02/07/14	FILE NO.: 7256D001	PROJECT NO.: 7256–000
FIGURE NO.: 7			

GeoInsight
Practical in Nature

PLOT DATE: 2–7–14
FILE: C:\Users\nmtunstall\appdata\local\temp\AcPublish_5792\7256d001.DWG

LEGEND

MW-1	MONITORING WELL LOCATION AND DESIGNATION
MW-4	MONITORING WELL DESTROYED
TP-1	TEST PIT LOCATION AND DESIGNATION
S-1	SURFICIAL SOIL SAMPLE LOCATION AND DESIGNATION
W	WATER SUPPLY WELL
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LOCATION OF 2012 SOIL EXCAVATION AREAS
	APPROXIMATE LIMITS OF ELEVATED AREA (LIKELY FILL)
(0.307)	BENZENE CONCENTRATION
0.3	BENZENE ISO-CONTOUR

-N-

NOTES:

1. THIS FIGURE WAS BASED UPON A GOOGLE EARTH PRO IMAGE DATED APRIL 14, 2011, A PLAN PREPARED BY ARIES ENGINEERING, INC. TITLED "SITE PLAN" DATED JULY 2013, AND OBSERVATIONS FROM GEOINSIGHT PERSONNEL.
2. TEST PITS ARE APPROXIMATE 5' x 10'.

0 100 200

APPROX. SCALE IN FEET

CLIENT: NHDES				GeoInsight Practical in Nature
PROJECT: TRI-STATE CAR CRUSHING LEMPSTER, NEW HAMPSHIRE				
TITLE: BENZENE CONCENTRATION PLAN				
DESIGNED: MMB	DRAWN: NMT	CHECKED: DLS	APPROVED: AWK	
SCALE: 1" = 100'	DATE: 01/22/14	FILE NO.: 7256D003	PROJECT NO.: 7256-000	FIGURE NO.: 8

PLOT DATE: 2-7-14
FILE: C:\Users\nmtunstall\appdata\local\temp\AcPublish_5792\7256d003.dwg

TABLE

TABLE 1
TEST PIT SAMPLE ANALYTICAL RESULTS
TRI-STATE CAR CRUSHING
902 ROUTE 10
LEMPSTER, NEW HAMPSHIRE
NHDES #200203024

CONSTITUENT	NHDES Env-Or 600 Soil Remediation Standards (mg/kg)	SAMPLE I.D. / SAMPLE DATE	TP-1 (2-5') 11/18/2013	TP-2 (6') 11/18/2013	TP-3 (3.5') 11/18/2013	TP-4 (3.5') 11/18/2013	TP-6 (3') 11/18/2013	TP-7 (3.5') 11/18/2013	TP-9 (3.5') 11/18/2013	TP-11 (4') 11/18/2013	TP-12 (3.5') 11/18/2013	TP-15 (2.5') 11/19/2013	TP-17 (3.5') 11/19/2013
Volatile Organic Compounds (VOCs):													
Benzene	**0.3**	**mg/kg**	ND(0.0105)	ND(0.0053)	0.0681	ND(0.0046)	**0.307**	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	**0.438**
Acetone	**75**	**mg/kg**	ND(0.105)	0.181	ND(0.597)	ND(0.0461)	ND(0.920)	ND(0.485)	ND(0.0464)	ND(0.0483)	ND(0.899)	ND(0.0575)	ND(0.689)
Toluene	**100**	**mg/kg**	ND(0.0105)	0.0385	0.693	ND(0.0046)	ND(0.092)	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	0.0057	9
Ethylbenzene	**140**	**mg/kg**	ND(0.0105)	0.02	0.352	ND(0.0046)	0.274	0.0577	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	16.4
Total Xylenes	**500**	**mg/kg**	ND(0.0209)	0.172	2.104	ND(0.0046)	0.595	0.536	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	81.5
Isopropylbenzene	**330**	**mg/kg**	ND(0.0105)	0.0073	0.0645	ND(0.0046)	ND(0.092)	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	3.03
n-Propylbenzene	**85**	**mg/kg**	ND(0.0105)	0.0155	0.219	ND(0.0046)	0.0994	0.103	ND(0.0046)	ND(0.0048)	0.155	ND(0.0057)	11.3
Styrene	**17**	**mg/kg**	ND(0.0105)	ND(0.0053)	0.219	ND(0.0046)	ND(0.092)	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	ND(0.0689)
Trichlorofluoromethane	**1,000**	**mg/kg**	ND(0.0105)	ND(0.0053)	0.715	ND(0.0046)	ND(0.092)	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	ND(0.0689)
1,3,5-Trimethylbenzene	**96**	**mg/kg**	ND(0.0105)	0.114	0.712	ND(0.0046)	0.116	0.325	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	17.3
1,2,4-Trimethylbenzene	**130**	**mg/kg**	ND(0.0105)	0.782	1.97	ND(0.0046)	0.486	1.19	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	55.3
sec-Butylbenzene	**130**	**mg/kg**	ND(0.0105)	0.0064	ND(0.0597)	ND(0.0046)	ND(0.092)	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	1.19
n-Butylbenzene	**110**	**mg/kg**	ND(0.0105)	0.014	0.158	ND(0.0046)	ND(0.092)	0.0533	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	3.06
4-Isopropyltoluene	**3,400**	**mg/kg**	ND(0.0105)	0.105	ND(0.0597)	ND(0.0046)	ND(0.092)	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	0.71
Naphthalene	**5**	**mg/kg**	ND(0.0105)	0.138	0.382	ND(0.0046)	0.121	0.0577	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	3.33
Methyl Tertiary Butyl Ether	**0.2**	**mg/kg**	ND(0.0105)	ND(0.0053)	ND(0.0597)	0.0486	**0.396**	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	ND(0.0689)
Tertiary Amyl Methyl Ether	**3**	**mg/kg**	ND(0.0105)	ND(0.0053)	ND(0.0597)	ND(0.0046)	0.103	ND(0.0485)	ND(0.0046)	ND(0.0048)	ND(0.0899)	ND(0.0057)	ND(0.0689)
Other VOCs	**Compound Specific**	**mg/kg**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons:													
Gasoline Range Organics	**10,000**	**mg/kg**	ND(6.1)	23.9	44.2	ND(3)	24.2	8.4	ND(3.2)	ND(3.3)	10	ND(5.3)	1,700
Diesel Range Organics	**10,000**	**mg/kg**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals:													
Silver	**89**	**mg/kg**	ND(1.82)	ND(1.77)	ND(1.62)	ND(1.49)	ND(1.79)	ND(1.61)	ND(1.58)	ND(1.52)	ND(1.75)	ND(1.74)	ND(1.71)
Arsenic	**11**	**mg/kg**	2.34	3.22	ND(1.62)	2.38	ND(1.79)	4.13	3.8	ND(1.52)	ND(1.75)	ND(1.74)	ND(1.71)
Barium	**1,000**	**mg/kg**	34.2	47.7	84.8	52.1	36.4	26.7	32.8	24.8	34.4	22.9	41.8
Cadmium	**33**	**mg/kg**	ND(0.605)	0.937	1.98	ND(0.495)	ND(0.597)	ND(0.535)	ND(0.527)	ND(0.507)	ND(0.582)	ND(0.580)	ND(0.571)
Chromium	**130**	**mg/kg**	29.7	25.4	30.3	21.9	16.9	13.6	13.6	8.83	10.3	14.2	17.3
Mercury	**6**	**mg/kg**	0.0549	0.286	0.0976	ND(0.0289)	0.0842	ND(0.0325)	ND(0.0306)	ND(0.0286)	0.0387	ND(0.0332)	0.0657
Lead	**400**	**mg/kg**	24.8	157	173	16	56.6	6.98	76.2	37.4	22	4.7	90.2
Selenium	**180**	**mg/kg**	ND(1.82)	ND(1.77)	ND(1.62)	ND(1.49)	ND(1.79)	ND(1.61)	ND(1.58)	ND(1.52)	ND(1.75)	ND(1.74)	ND(1.71)
Polycyclic Aromatic Hydrocarbons (PAHs):													
1-Methylnaphthalene	**NS**	**mg/kg**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	**96**	**mg/kg**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	**5**	**mg/kg**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other PAHs	**Compound Specific**	**mg/kg**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	**NS**	**--**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Negative

TABLE 1
TEST PIT SAMPLE ANALYTICAL RESULTS
TRI-STATE CAR CRUSHING
902 ROUTE 10
LEMPSTER, NEW HAMPSHIRE
NHDES #200203024

	NHDES Env-Or 600 Soil Remediation Standards (mg/kg)	SAMPLE I.D.	TP-18	TP-19 (3')	TP-21 (3.5')	TP-23 (4')	TP-24 (3.5')	TP-26 (2.5')	TP-29 (2')	TP-29 (3.5')	S-1	S-2	S-3	S-4	S-5
CONSTITUENT		**SAMPLE DATE**	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/20/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
Volatile Organic Compounds (VOCs):															
Benzene	**0.3**	**mg/kg**	ND(0.0042)	ND(0.0973)	ND(0.0559)	ND(0.044)	ND(0.0578)	ND(0.219)	ND(0.0327)	ND(0.0725)	NA	NA	NA	NA	NA
Acetone	**75**	**mg/kg**	ND(0.0422)	ND(0.973)	ND(0.559)	ND(0.44)	ND(0.578)	ND(2.19)	ND(0.327)	ND(0.725)	NA	NA	NA	NA	NA
Toluene	**100**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.132	ND(0.044)	ND(0.0578)	6.04	ND(0.0327)	0.13	NA	NA	NA	NA	NA
Ethylbenzene	**140**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.967	ND(0.044)	ND(0.0578)	5.07	2.54	0.985	NA	NA	NA	NA	NA
Total Xylenes	**500**	**mg/kg**	ND(0.0042)	0.123	2.249	0.1782	0.15	28.51	17.47	7.39	NA	NA	NA	NA	NA
Isopropylbenzene	**330**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.3	ND(0.044)	ND(0.0578)	0.53	1.27	0.523	NA	NA	NA	NA	NA
n-Propylbenzene	**85**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.684	ND(0.044)	ND(0.0578)	2.15	1.91	0.818	NA	NA	NA	NA	NA
Styrene	**17**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.505	ND(0.044)	ND(0.0578)	ND(0.219)	ND(0.0327)	ND(0.0725)	NA	NA	NA	NA	NA
Trichlorofluoromethane	**1,000**	**mg/kg**	ND(0.0042)	ND(0.0973)	ND(0.0559)	ND(0.044)	ND(0.0578)	ND(0.219)	ND(0.0327)	ND(0.0725)	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	**96**	**mg/kg**	ND(0.0042)	ND(0.0973)	2.84	ND(0.044)	ND(0.0578)	4.22	4.64	2.27	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	**130**	**mg/kg**	ND(0.0042)	0.117	4.72	0.994	0.0931	14.5	14.9	7.23	NA	NA	NA	NA	NA
sec-Butylbenzene	**130**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.452	ND(0.044)	ND(0.0578)	ND(0.219)	ND(0.0327)	0.104	NA	NA	NA	NA	NA
n-Butylbenzene	**110**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.594	ND(0.044)	0.0729	0.746	0.739	0.312	NA	NA	NA	NA	NA
4-Isopropyltoluene	**3,400**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.756	ND(0.044)	ND(0.0578)	ND(0.219)	0.35	0.19	NA	NA	NA	NA	NA
Naphthalene	**5**	**mg/kg**	ND(0.0042)	ND(0.0973)	0.362	ND(0.044)	ND(0.0578)	2.9	1.11	0.841	NA	NA	NA	NA	NA
Methyl Tertiary Butyl Ether	**0.2**	**mg/kg**	ND(0.0042)	ND(0.0973)	ND(0.0559)	ND(0.044)	ND(0.0578)	ND(0.219)	ND(0.0327)	0.117	NA	NA	NA	NA	NA
Tertiary Amyl Methyl Ether	**3**	**mg/kg**	ND(0.0042)	ND(0.0973)	ND(0.0559)	ND(0.044)	ND(0.0578)	ND(0.219)	ND(0.0327)	ND(0.0725)	NA	NA	NA	NA	NA
Other VOCs	**Compound Specific**	**mg/kg**	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons:															
Gasoline Range Organics	**10,000**	**mg/kg**	NA	7.5	363	5.9	126	127	299	NA	NA	NA	NA	NA	NA
Diesel Range Organics	**10,000**	**mg/kg**	NA	NA	NA	32	NA	414	NA	NA	NA	NA	NA	NA	NA
Total Metals:															
Silver	**89**	**mg/kg**	ND(1.39)	ND(1.94)	ND(1.47)	ND(1.38)	ND(1.42)	ND(1.55)	NA	NA	NA	NA	NA	NA	NA
Arsenic	**11**	**mg/kg**	2.11	ND(1.94)	9.36	8.64	2.71	ND(1.55)	NA	NA	NA	NA	NA	NA	NA
Barium	**1,000**	**mg/kg**	29.4	53	34.6	47.2	34.4	37.3	NA	NA	NA	NA	NA	NA	NA
Cadmium	**33**	**mg/kg**	0.528	0.658	ND(0.49)	ND(0.46)	ND(0.474)	ND(0.515)	NA	NA	NA	NA	NA	NA	NA
Chromium	**130**	**mg/kg**	9.42	17.8	12.3	20.9	15.5	13.5	NA	NA	NA	NA	NA	NA	NA
Mercury	**6**	**mg/kg**	ND(0.0301)	0.063	ND(0.029)	ND(0.029)	0.0339	0.0396	NA	NA	NA	NA	NA	NA	NA
Lead	**400**	**mg/kg**	25.7	127	8.62	8.6	18.3	49.9	NA	NA	25.7	211	12.5	259	51.3
Selenium	**180**	**mg/kg**	ND(1.39)	ND(1.94)	ND(1.47)	ND(1.38)	ND(1.42)	ND(1.55)	NA	NA	NA	NA	NA	NA	NA
Polycyclic Aromatic Hydrocarbons (PAHs):															
1-Methylnaphthalene	**NS**	**mg/kg**	NA	NA	NA	ND(0.18)	NA	0.273	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	**96**	**mg/kg**	NA	NA	NA	ND(0.18)	NA	0.786	NA	NA	NA	NA	NA	NA	NA
Naphthalene	**5**	**mg/kg**	NA	NA	NA	ND(0.18)	NA	1.4	NA	NA	NA	NA	NA	NA	NA
Other PAHs	**Compound Specific**	**mg/kg**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	**NS**	**--**	NA	NA	Negative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

1. VOCs = volatile organic compounds; NHDES = New Hampshire Department of Environmental Services.
2. Bold results are above applicable NHDES Soil Remediation Standards as listed in Env-Or 600.
3. ND(x) = constituent not detected at the laboratory practical quantitation limit noted in parentheses; NS = No Standard; NA = Not Analyzed.
4. Concentrations in milligrams per kilogram (mg/kg).
5. Sample was re-analyzed by the laboratory and the highest concentration detected is reported in the table.

ATTACHMENT A

PHOTOGRAPHIC DOCUMENTATION

TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

1. View to the north of the concrete vehicle crushing pad.

2. Test pit TP-2 (view is northeast).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

3. Test pit TP-3 (view is south).

4. Close up of test pit TP-3 (view is west). Note miscellaneous metal debris.

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

5. Test pit TP-6 (view is southeast). Note buried wood debris.

6. Test pit TP-8 (view is northwest).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

7. Close up of test pit TP-11 (view is northeast).

8. Test pit TP-13 (view is southeast).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

9. Test pit TP-15 (view is southeast).

10. Test pit TP-17 (view is west).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

11. Test pitTP-18 (view is east).

12. Test pit TP-20 (view is east).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

13. Test pit TP-22 (view is northeast).

14. Close up of test pit TP-22 (view is east).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

15. Test pit TP-26 (view is northwest).

16. Test pit TP-27 (view is northwest).

NOVEMBER 2013 TEST PIT INVESTIGATION
TRI-STATE CAR CRUSHING
LEMPSTER, NEW HAMPSHIRE

17. Test pit TP-28 (view is southeast). Note filter fabric layer in sidewall.

18. Close up of test pit TP-29 (view is northeast).

19. View to the northwest of the concrete vehicle crushing pad and elevated area.

20. Stockpiled soil prior to off-site disposal (view is northwest).

ATTACHMENT B

TEST PIT LOGS

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Test Pit No:	1		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/18/2013		
Start Time:	1010	Stop Time:	1025
Chkd. By:	DLS		
Weather:	Partly cloudy, windy, 50s		
Ground Surface Elev.:	NA		
Datum:	NA		

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SILTY SAND (FILL)	0-4': Dark brown, fine to medium SAND, some Silt, little Gravel, dry, approximately 25% Tree Limbs and Tree Branch debris.				
2						
3		Boulders at 3 feet bgs.	1	2.5	0.6	1
4						
5	SAND AND SILT (NATIVE)	4-7': Brown, fine SAND and SILT, little Clay, damp.				
6						
7			2	7	0.8	
8		Test Pit Terminated @ 7 feet bgs. Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 3000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	2
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1035 Stop Time: 1055
Chkd. By:	DLS

Equip.:	CAT 315BL	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	Depth (ft)	PID (PPM)	NOTE
	"CLEAN" Fill	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-2': Tan, fine to medium SAND, dry.				
2						
3	SAND AND COBBLE (FILL)	2-5.5': Dark brown, fine to medium SAND and COBBLE, some Silt, little Gravel, dry, <5% Metal Debris (mostly automotive scrap metal, one catalytic converter observed).				
4			1	3.5	3.7	
5						
6	SAND (FILL)	5.5-7: Dark brown, fine to coarse SAND, some Gravel, odor, dry.	2	6	26.2	1
7	GRAVELLY SAND (NATIVE)	7-8: Light brown, fine to medium SAND, dry.				
8			3	7.5	NA	2
9		Test Pit Terminated @ 8 feet bgs. Refusal not encountered.				
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.
2. PID Malfunctioned and sample could not be field screened.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	8
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 3000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	3
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1130 Stop Time: 1200
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Sunny, windy
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-6': Brown, fine to medium SAND, little Silt and Gravel/Cobbles, odor, dry, approximately 30% Miscellaneous Automotive Metal Debris (one license plate observed).				
2						
3						
			1	3.5	NA	1
4						
5						
6						
	SAND (NATIVE)	6-6.5': Brown, fine to medium SAND, little Gravel, dry.				
7		Test Pit Terminated @ 6.5 feet bgs. Refusal not encountered.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	6.5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	4
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1210 Stop Time: 1220
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-1.5': Dark brown, fine SAND, some Silt, little Gravel, dry, approximately 25% Miscellaneous Automotive Metal Debris.				
2	SAND AND GRAVEL (FILL)	1.5-4': Tan/light brown, fine to medium SAND and Gravel, dry, <5% Miscellaneous Automotive Metal Debris.				
3						
4			1	3.5	NA	1
	BOULDER	4': Cobble/Boulder.				
5		Refusal encountered @ 4' bgs.				
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	4
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	5
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1230 Stop Time: 1235
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-1.5': Dark brown, fine SAND, some Silt, little Gravel, dry, approximately 25% Miscellaneous Automotive Metal Debris.				
2	SAND AND GRAVEL (FILL)	1.5-4': Tan/light brown, fine to medium SAND and Gravel, dry, <5% Miscellaneous Automotive Metal Debris.				
3						
4						
	BOULDER	4': Cobble/Boulder.				
5		Refusal encountered @ 4' bgs.				
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	4
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	6		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/18/2013		
Start Time:	1240	Stop Time:	1250
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SILTY SAND (FILL)	0-6': Dark brown, fine to medium SAND, some Silt, little Gravel and Cobble, dry, approximately 30% Stumps and Tree Limbs.				
2						
3			1	3	NA	1
4						
5						
6						
7	SILTY SAND (NATIVE)	6-7': Tan, fine SAND, some Silt, little medium Sand, dry.	2	7	NA	
8		Test Pit Terminated @ 7 feet bgs. Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

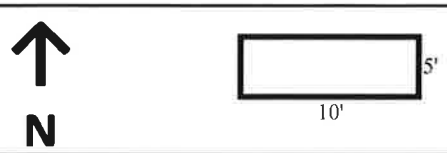
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	7		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/18/2013		
Start Time:	1410	Stop Time:	1420
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	GRAVELLY SAND (FILL)	6"-6': Dark Brown, fine to medium SAND, some Gravel, little coarse Sand, approximately 30% Tree/Stump Debris, <5% Miscellaneous Automotive Metal/Plastic debris.				
2						
3						
		Boulder at 3.5 feet bgs.	1	3.5	NA	1
4						
5						
6						
	SILTY SAND (NATIVE)	6-7': Dark brown, fine SAND, some Silt, little medium to coarse Sand and Gravel.				
7			2	7	NA	
		Test Pit Terminated @ 7 feet bgs.				
8		Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

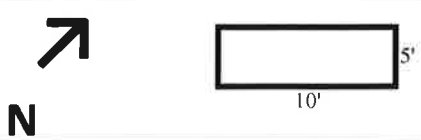
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Fair

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	8
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1430 Stop Time: 1
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Sunny, breezy
Ground Surface Elev.:	NA
Datum:	NA

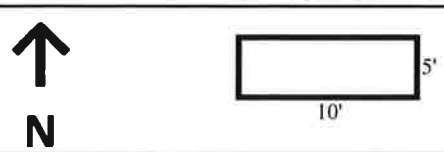
DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SAND (LIKELY NATIVE)	0-2': Gray/brown, fine to medium SAND, little Gravel, trace Silt.				
2						
3	GRAVELY SAND (LIKELY NATIVE)	2-6': Tan/brown, medium to coarse SAND, some Gravel, little Cobble, trace organics, damp at approximately 5.5 feet bgs.				
4			1	4	NA	
5						
6			2	6	NA	
	BEDROCK	6': Ledge, likely BEDROCK at 6 feet bgs.				
7		Refusal Encountered @ 6 feet bgs.				
		Test Pit Terminated @ 6 feet bgs.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	6
Width:	5	Stability:	Fair

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	9
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1440 Stop Time: 1450
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SAND AND GRAVEL (LIKELY NATIVE)	0-5': Brown, medium to coarse SAND, some Gravel and Cobble, dry.				
2						
3						
4			1	3.5	NA	1
5						
6		Test Pit Terminated @ 5 feet bgs. Refusal not encountered.				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

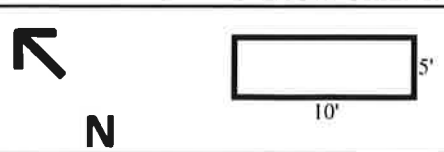
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	10
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Test Pit No:	10
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/18/2013
Start Time:	1455 Stop Time: 1505
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Weather:	Partly cloudy, windy, 50s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	GRAVELLY SAND (LIKELY NATIVE)	0-3.5: Brown, medium to coarse SAND, some Gravel and Cobble, trace Boulders, dry.				
2						
3			1	3	NA	
4		3.5-5: Brown/gray, fine to coarse SAND, some Gravel and Cobbles, trace Boulders, dry.				
5			2	5	NA	
6		Test Pit Terminated @ 5 feet bgs. Refusal not encountered.				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	5
Width:	5	Stability:	Fair

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Test Pit No:	11		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/18/2013		
Start Time:	1510	Stop Time:	1520
Chkd. By:	DLS		
Weather:	Partly cloudy, windy, 50s		
Ground Surface Elev.:	NA		
Datum:	NA		

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	SAND (LIKELY NATIVE)	Scrap Automotive Metal at Surface.				
1		0-5.5': Brown, medium to coarse SAND, little Gravel and Cobble, trace Fines, dry.				
2						
3						
4			1	4	NA	1
5						
6		5.5-7': Dark brown, fine to medium SAND, little Gravel and Cobbles, trace Fines, wet.				
7						
8		Test Pit Terminated @ 7 feet bgs. Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

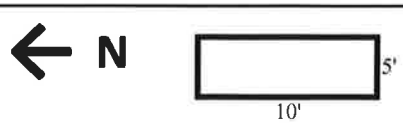
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 904 U.S Route 10, Lempster, New Hampshire

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 feet	Operator:	Shawn

Test Pit No:	12		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/18/2013		
Start Time:	1520	Stop Time:	1535
Chkd. By:	DLS		
Weather:	Partly cloudy, windy, 50s		
Ground Surface Elev.:	NA		
Datum:	NA		

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1, 2, 3	SILTY SAND (FILL)	0-3.5': Dark brown, fine to medium SAND, some Silt, little Cobble and Boulders, dry, approximately 20% Tree/Stump Debris.	1	3.5	NA	1
4, 5, 6	SILTY SAND (NATIVE)	3.5-6.5': Brown, fine to medium SAND, some Silt, trace Gravel.				
7	SAND (NATIVE)	6.5-7.5': Gray/brown fine SAND, little Silt, damp.	2	7	NA	
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18		Test Pit Terminated @ 7.5 feet bgs. Refusal not encountered.				

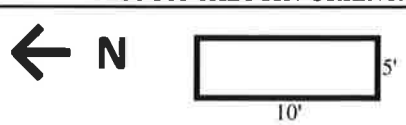
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	7.5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Due to field meter malfunction, field screening was not performed.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	13
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	725 Stop Time: 735
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

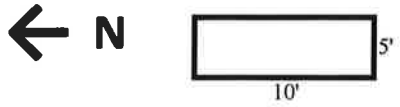
DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SAND (NATIVE)	0-5: Brown, medium to coarse SAND, little Gravel and Cobble, trace Fines, dry.				
2						
3						
4			1	3.5	<1	
5						
6		5-6: Dark brown, fine to medium SAND, some coarse Sand, little Gravel and Cobble, trace Fines, dry.				
7		Test Pit Terminated @ 6 feet bgs. Refusal not encountered.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	6
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	14		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	740	Stop Time:	745
Chkd. By:	DLS		

Equip.:	CAT 315BL	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

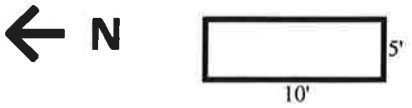
DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SILTY SAND (LIKELY FILL)	0-3.5: Brown, fine SAND, some Silt, trace Gravel and Cobble, dry, <5% Tree Stumps.				
2						
3						
			1	3.5	<1	
4	SAND (NATIVE)	3.5-6.5: Brown, medium SAND, some coarse Sand, trace Fines, dry.				
5						
6						
			1	6.5	<1	
7	SAND + GRAVEL	6.5-7: Gray, medium to coarse SAND and fine GRAVEL, wet.				
8		Test Pit Terminated @ 7 feet bgs. Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	15
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	750 Stop Time: 758
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1, 2	SILTY SAND (NATIVE)	0-2': Dark brown, fine SAND, some Silt, little Organics, dry.				
3, 4, 5	SAND (NATIVE)	2-5': Red/tan, fine to medium SAND, little Gravel, trace Fines, dry.	1	2.5	<1	1
6	SAND AND SILT (NATIVE)	5-6.5': Gray, fine SAND and SILT, damp.	2	5.5	<1	
7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18		Test Pit Terminated @ 6.5 feet bgs. Refusal not encountered.				

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	6.5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	16
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	800 Stop Time: 810
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SAND (LIKELY FILL)	0-1': Dark brown, fine to medium SAND, little Silt, dry, trace Automotive Plastic/Metal Scraps (approximately five pieces).				
2	SAND (NATIVE)	1-5': Brown, medium SAND, some fine Sand and coarse Sand, little Gravel and Cobble, dry.				
3						
4			1	3.5	<1	
5						
6		Test Pit Terminated @ 5 feet bgs. Refusal not encountered.				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	17		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	815	Stop Time:	835
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (LIKELY FILL)	6"-2': Dark brown, fine to medium SAND, little Silt and Gravel, dry, <5% Automotive Metal Debris (small pieces), boulder at 2 feet bgs.				
2						
3		2-4': Brown, fine to medium SAND, little coarse Sand and Gravel, trace Fines, odor, dry.				
4			1	3.5	225	1
5	SAND (NATIVE)	4-6: Gray, fine to medium SAND, little coarse Sand and Gravel, odor, dry.	2	4.5	57	
6			3	6	7	
		6': Gray, fine SAND, little Silt and Gravel, odor not apparent, dry.				
7		Test Pit Terminated @ 6 feet bgs.				
8		Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

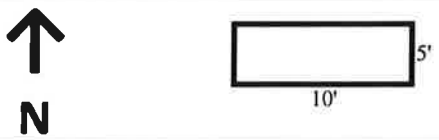
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, TPH-GRO, and Ignitability.
2. Soil excavated from 3 to 6 feet was stockpiled for off-site disposal.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	6
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	18		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	840	Stop Time:	850
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-3': Brown, fine to medium SAND, little Silt, dry, approximately 25% Miscellaneous Automotive Metal Debris (small to medium pieces).				
2						
3			1	3	<1	1
4	SAND (NATIVE)	3-5.5: brown, fine to coarse SAND, little Gravel, trace Fines, dry.				
5						
6	SILTY SAND (NATIVE)	5.5-6: Gray, fine SAND, some Silt, dry.	2	6	<1	
7		Test Pit Terminated @ 6 feet bgs. Refusal not encountered.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

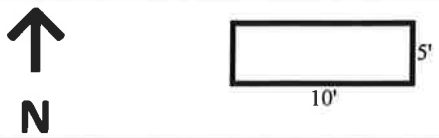
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B and RCRA 8 Metals.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	6
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	19
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	900 Stop Time: 925
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	Depth (ft)	PID (PPM)	NOTE
1	SILTY SAND (LIKELY FILL)	0-3.5': Dark brown, fine SAND, some Silt, little medium Sand and Gravel, dry, approximately 30% Tree Debris.				
2						
3			1	3	<1	1
4	SILTY SAND (NATIVE)	3.5-6': Gray, fine to medium SAND, some Silt, dry to damp.				
5						
6			2	5.5	<1	
7	SAND + GRAVEL (NATIVE)	6-7': Brown, medium to coarse SAND and GRAVEL, wet.				
8		Test Pit Terminated @ 7 feet bgs. Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

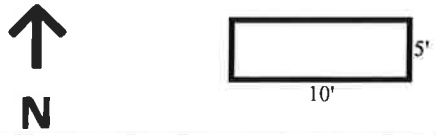
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	20
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	930 Stop Time: 945
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-2.5': Tan/Brown, fine to medium SAND, little Fines and Gravel, dry, <5% Miscellaneous Automotive Metal Debris, one tire observed.				
2						
3		2.5-4': Dark brown, fine to medium SAND, little Gravel, <5% Tree Debris, dry.	1	2.5	<1	
4						
5	SAND (NATIVE)	4-6': Brown, fine to medium SAND, some Gravel, dry.				
6	BEDROCK	BEDROCK @ 6 feet bgs.				
7		Refusal encountered @ 6 feet bgs. Test Pit Terminated @ 6 feet bgs.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	6
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	21		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	950	Stop Time:	1015
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-3': Brown, fine to medium SAND, little Gravel and Cobble, dry, <5% Miscellaneous Automotive Metal Scraps.				
2						
3						
4	SAND (NATIVE)	3-7: Gray/Brown, fine SAND, some medium Sand, little Gravel, Cobble, odor. Large Boulders @ 6 feet.	1	3.5	67	1
5						
6						
			2	6.5	44	
7	BEDROCK	BEDROCK @ 7 feet bgs.				
8		Refusal encountered @ 7 feet bgs. Test Pit Terminated @ 7 feet bgs.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, TPH-GRO, and Ignitability.
2. Soil excavated from 3 to 7 feet was stockpiled for off-site disposal.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	22
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	1020 Stop Time: 1035
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-3': Dark brown fine SAND, little fines, dry, approximately 40% Debris (small to large pieces of miscellaneous automotive metal, plastic, and glass).				
2						
3						
4	SAND (NATIVE)	3-5: Gray/Brown, fine to medium SAND, little coarse Sand and Gravel.	1	3.5	5	
5	BEDROCK	BEDROCK @ 5 feet bgs.				
6		Refusal encountered @ 5 feet bgs. Test Pit Terminated @ 5 feet bgs.				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

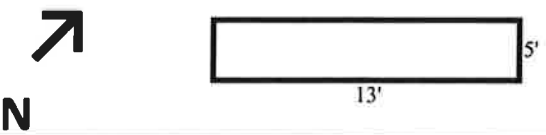
NOTES:

1. Attempted to segregate large debris pieces.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	13	Depth:	2.5-5'
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project:	Tri-State Car Crushing
Location:	902 U.S Route 10, Lempster, New Hampshire
Test Pit No:	23
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	1040 Stop Time: 1100
Chkd. By:	DLS
Equip.:	CAT Excavator
Capacity:	0.5 Cubic Yards
Reach:	~16 Feet
GeoInsight Rep.:	MMB
Contractor:	TMC
Operator:	Shawn
Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-2.5': Brown, fine SAND, little medium Sand and Gravel, dry, odor, approximately 25% small to medium Miscellaneous Automotive Metal Debris.				
2						
3	SAND (NATIVE)	2.5-6': Gray/Brown, fine to medium SAND, little coarse Sand and Gravel, trace Cobble and Boulder, dry, odor.				
4			1	4	8.6	1
5						
6						
7		6-7': Gray/Brown, medium to coarse SAND, little Gravel and Cobble, damp.				
8		Test Pit Terminated @ 7 feet bgs. Refusal not encountered.				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, TPH-GRO, TPH-DRO, and PAHs.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	7
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	24
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	1110 Stop Time: 1130
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	Depth (ft)	PID (PPM)	NOTE
1	SAND (LIKELY FILL)	0-2': Brown, fine to medium SAND, little Silt and Gravel, dry.				
2						
3	SAND (NATIVE)	2-5': Gray/Brown, fine to medium SAND, little Silt and Gravel, odor, dry.				
4			1	3.5	59	1
5			2	5	36	
6	BEDROCK	5-6': Brown/Reddish, fine SAND, little Silt, medium Sand, damp. BEDROCK @ 6 feet bgs.	3	6	12	
7		Refusal encountered @ 6 feet bgs. Test Pit Terminated @ 6 feet bgs.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

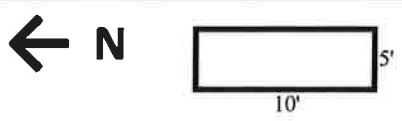
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, and TPH-GRO.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	6
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	25
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	1135 Stop Time: 1150
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-2': Brown, fine to medium SAND, little Gravel and Cobble, approximately 20% small to medium Miscellaneous Automotive Metal Debris in southeast half of test pit.				
2						
3	GRAVELLY SAND (NATIVE)	2-5.5': Gray/Brown, fine to medium SAND, some coarse Sand and Gravel, little Cobble, dry.				
4						
5			1	5	4.8	
	BEDROCK	BEDROCK @ 5.5 feet bgs.				
6		Refusal encountered @ 5.5 feet bgs.				
		Test Pit Terminated @ 5.5 feet bgs.				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	15	Depth:	5.5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	26		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	1200	Stop Time:	1220
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	6"-4': Dark brown, fine to medium SAND, little coarse Sand and Gravel, trace Fines, dry, odor, approximately 30% medium to large Debris (miscellaneous automotive metal, plastic, glass).				
2						
3			1	2.5	389	1
4						
5	SAND (NATIVE)	4-5: Tan/Light Brown fine to medium SAND, little coarse Sand, trace Fines, dry.	2	4.5	2	
6		Test Pit Terminated @ 5 feet bgs. Refusal not encountered.				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B, RCRA 8 Metals, TPH-GRO, TPH-DRO, and PAHs.
2. Soil excavated from 2 to 4 feet was stockpiled for off-site disposal.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

TEST PIT LOG

GeoInsight
Practical in Nature

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	27
Sheet:	1 Of: 1
Project Number:	7256
Date:	11/19/2013
Start Time:	1225 Stop Time: 1245
Chkd. By:	DLS

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SAND (FILL)	0-4.5': Light brown, fine to medium SAND, little Gravel, dry.				
2						
3						
4						
5		4.5-7': Dark brown, fine to medium SAND, little Gravel and Silt, odor, dry, approximately 15% Miscellaneous Automotive Debris (Metal, Plastic, Glass).	1	5	3	
6						
7						
8	SAND (NATIVE)	7-8.5': Tan/Brown fine to medium SAND, little Gravel, dry.				
9		Test Pit Terminated @ 8.5 feet bgs. Refusal not encountered.				
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION

TEST PIT DETAILS

Length:	10	Depth:	8.5
Width:	5	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	28		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	1250	Stop Time:	1300
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

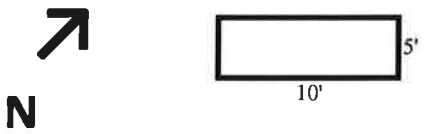
DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
1	SAND (FILL)	0-4': Brown, fine to coarse SAND, little Gravel and Cobble, dry, Filter Fabric @ approximately 4 feet bgs.				
2						
3						
4						
5		4-5: Gray, fine SAND, some medium Sand, odor.	1	5	98	
	BEDROCK	BEDROCK @ 5 feet bgs.				
6		Refusal encountered @ 5 feet bgs.				
7		Test Pit Terminated @ 5 feet bgs.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

NOTES:

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	13	Depth:	5
Width:	10	Stability:	Good

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

GeoInsight
Practical in Nature

TEST PIT LOG

Project: Tri-State Car Crushing

Location: 902 U.S Route 10, Lempster, New Hampshire

Test Pit No:	29		
Sheet:	1	Of:	1
Project Number:	7256		
Date:	11/19/2013		
Start Time:	1315	Stop Time:	1330
Chkd. By:	DLS		

Equip.:	CAT Excavator	GeoInsight Rep.:	MMB
Capacity:	0.5 Cubic Yards	Contractor:	TMC
Reach:	~16 Feet	Operator:	Shawn

Weather:	Cloudy, windy, 30s
Ground Surface Elev.:	NA
Datum:	NA

DEPTH (ft)	STRATUM DESCRIPTION	SAMPLE DESCRIPTION	SAMPLE Sample I.D.	SAMPLE Depth (ft)	SAMPLE PID (PPM)	NOTE
	"CLEAN" FILL	0-6": "Clean" SAND fill material.				
1	SILTY SAND (FILL)	0-3': Dark brown, fine SAND, some Silt, little Gravel, odor, dry, approximately 30% Miscellaneous Automotive Debris (small to medium pieces of metal, plastic and glass).				
2			1	2	23	1
3		3-5.5': Dark brown fine SAND, some Silt, little Gravel, approximately 15% Tree Debris.				
4			2	3.5	56	2
5						
6	SAND (NATIVE)	5.5-6.5': Brown fine to medium SAND, some coarse Sand, little Gravel, dry.	3	6	3	
7		Test Pit Terminated @ 6.5 feet bgs. Refusal not encountered.				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

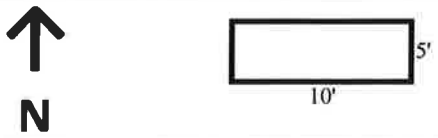
NOTES:

1. Sample submitted for laboratory analysis of VOCs 8260B and TPH GRO.
2. Sample submitted for laboratory analysis of VOCs 8260B.

GROUNDWATER OBSERVATIONS

Depth:	Not Observed	ft BGS
Stabilization:	NA	hours
Est. SHWT:	NA	ft BGS
Description:	NA	

TEST PIT SKETCH / ORIENTATION



TEST PIT DETAILS

Length:	10	Depth:	6.5
Width:	5	Stability:	

FIELD TESTING PERFORMED

Field Screening performed with a MiniRae 2000 PID.

ATTACHMENT C

DISPOSAL DOCUMENTATION

NORTH COUNTRY ENVIRONMENTAL SERVICES INC
A DIVISION OF CASELLA WASTE SYSTEMS INC
POB 9 - 581 TRUDEAU ROAD
BETHLEHEM, NH 03574

TICKET: 359928
DATE: 12/27/2013
TIME: 13:24 - 13:37

CUSTOMER: BD00369 / CAS50-TRANS-BRIGHTER HORIZON
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: NH / NEW HAMPSHIRE
TRUCK: 48 TRAILER:
GENERATOR: 282 / TRI STATE CAR CROFILE #: 3453
HAULER: CALKINS / CALKINS OIL ROUTE: NA / NON APPLICABLE
COMMENT: LEMPSTER JOB

P.O.:
GROSS: 94060 LBS
TARE: 36920 LBS
NET: 57140 LBS

CELL/TANK: S4P2A

MATERIAL	QUANTITY	UNIT
ICKS / IC CONTAMINATED SOILS F	28.5700	ST

I Certify under penalty of perjury that I am familiar with wastes authorized at this facility and that to the best of my knowledge all waste contained in this load is authorized for disposal at this facility.

Driver: Stephen Bea Weighmaster:

IN: Bruce Brown B: PCSCALE1-N OUT: Bruce Brown B: PCSCALE1-N

TERRALINK BILL OF LADING

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

CARRIER: Casella Waste management

BOL#

Shipper's No. 04013-1343
Carrier's No.
Date

TO : Consignee Street Destination	North Country Environmental 581 Trudeau Road Bethlehem NH 03574	FROM : Shipper Street Destination	Tri-State Car Crushing 902 US Route 10 Lempster NH 03605

Route: Vehicle:

Number of Shipping Units	HM	Kind of Packages, Description of Articles IF HAZARDOUS MATERIALS - PROPER SHIPPING	WEIGHT (Subject to Correction)	RATE
0 0 1		Non-RCRA, Non-DOT Petroleum Contaminated Soil (Oil, Soil)		T

RECEIVED, subject to the classification and tariffs in effect on this date of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its own road or water line, otherwisee to deliver to another carrier on the route to said destination. It is mutually agreed to each carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packed, marked, and labeled/placarded, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER:	CARRIER:
Tri-State Car Crushing	Casella Waste Management
PER: Agent For Tri-State / [signature]	PER: Stephen Bu[illegible]
DATE: 12-27-13	DATE: 12-27-13

EMERGENCY RESPONSE TELEPHONE NUMBER:

MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION INCLUDING STORAGE TO TRANSPORTATION. (172.604)

ATTACHMENT D

LABORATORY ANALYTICAL RESULTS

Report Date:
05-Dec-13 14:24

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

GeoInsight, Inc.
186 Granite Street; Suite A
Manchester, NH 03101
Attn: Andrea Kenter

Project: Lempster- 902 Rt.10-Lempster, NH
Project #: 7256

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB80661-01	TP-1 (2-5')	Soil	18-Nov-13 10:15	20-Nov-13 17:35
SB80661-02	TP-2 (6')	Soil	18-Nov-13 10:50	20-Nov-13 17:35
SB80661-03	TP-3 (3.5')	Soil	18-Nov-13 11:45	20-Nov-13 17:35
SB80661-04	TP-4 (3.5')	Soil	18-Nov-13 12:15	20-Nov-13 17:35
SB80661-05	TP-6 (3')	Soil	18-Nov-13 12:50	20-Nov-13 17:35
SB80661-06	TP-7 (3.5')	Soil	18-Nov-13 14:15	20-Nov-13 17:35
SB80661-07	TP-9 (3.5')	Soil	18-Nov-13 14:45	20-Nov-13 17:35
SB80661-08	TP-11 (4')	Soil	18-Nov-13 15:15	20-Nov-13 17:35
SB80661-09	TP-12 (3.5')	Soil	18-Nov-13 15:30	20-Nov-13 17:35
SB80661-10	TP-15 (2.5')	Soil	19-Nov-13 07:55	20-Nov-13 17:35
SB80661-11	TP-17 (3.5')	Soil	19-Nov-13 08:15	20-Nov-13 17:35
SB80661-12	TP-18 (3')	Soil	19-Nov-13 08:45	20-Nov-13 17:35
SB80661-13	TP-19 (3')	Soil	19-Nov-13 09:10	20-Nov-13 17:35
SB80661-14	TP-21 (3.5')	Soil	19-Nov-13 09:50	20-Nov-13 17:35
SB80661-15	TP-24 (3.5')	Soil	19-Nov-13 11:15	20-Nov-13 17:35
SB80661-16	TP-23 (4')	Soil	19-Nov-13 10:40	20-Nov-13 17:35
SB80661-17	TP-26 (2.5')	Soil	19-Nov-13 12:05	20-Nov-13 17:35
SB80661-18	TP-29 (2')	Soil	19-Nov-13 13:15	20-Nov-13 17:35
SB80661-19	TP-29 (3.5')	Soil	19-Nov-13 13:25	20-Nov-13 17:35
SB80661-20	Trip Blank	Trip blank	19-Nov-13 00:00	20-Nov-13 17:35
SB80661-21	S-1	Soil	19-Nov-13 13:45	20-Nov-13 17:35
SB80661-22	S-2	Soil	19-Nov-13 13:50	20-Nov-13 17:35
SB80661-23	S-3	Soil	19-Nov-13 13:55	20-Nov-13 17:35
SB80661-24	S-4	Soil	19-Nov-13 14:00	20-Nov-13 17:35
SB80661-25	S-5	Soil	19-Nov-13 14:05	20-Nov-13 17:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 120 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 0.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Mod 8015

Samples:

SB80661-02 *TP-2 (6')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-03 *TP-3 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-04 *TP-4 (3.5')*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 method 5035A but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SB80661-06 *TP-7 (3.5')*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 method 5035A but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SB80661-07 *TP-9 (3.5')*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 method 5035A but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SB80661-08 *TP-11 (4')*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 method 5035A but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SB80661-11 *TP-17 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-14 *TP-21 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mod 8015

Samples:

SB80661-15 *TP-24 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-16 *TP-23 (4')*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 method 5035A but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SB80661-17 *TP-26 (2.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-18 *TP-29 (2')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 1030

Samples:

SB80661-11 *TP-17 (3.5')*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SB80661-14 *TP-21 (3.5')*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SW846 6010C

Duplicates:

1328848-DUP1 *Source: SB80661-11*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Arsenic

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Chromium

SW846 8260C

Calibration:

1310092

Analyte quantified by quadratic equation type calibration.

2-Butanone (MEK)
Naphthalene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene

SW846 8260C

Calibration:

1310092

This affected the following samples:

1328320-BLK1
1328320-BS1
1328320-BSD1
1328445-BLK1
1328445-BS1
1328445-BSD1
S312829-ICV1
S314299-CCV1
S314350-CCV1
TP-1 (2-5')
TP-11 (4')
TP-15 (2.5')
TP-18 (3')
TP-2 (6')
TP-4 (3.5')
TP-9 (3.5')
Trip Blank

1311031

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
Bromoform
Dibromochloromethane
Hexachlorobutadiene
Naphthalene

This affected the following samples:

S313858-ICV1

Laboratory Control Samples:

1328445 BS/BSD

2-Butanone (MEK) percent recoveries (66/92) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Trip Blank

Tert-Butanol / butyl alcohol percent recoveries (124/135) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Trip Blank

1328445 BSD

2-Butanone (MEK) RPD 32% (30%) is outside individual acceptance criteria.

1328538 BS/BSD

SW846 8260C

Laboratory Control Samples:

1328538 BS/BSD

1,2,4-Trichlorobenzene percent recoveries (129/133) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

TP-12 (3.5')
TP-17 (3.5')
TP-2 (6')
TP-21 (3.5')
TP-23 (4')
TP-24 (3.5')
TP-26 (2.5')
TP-29 (2')
TP-29 (3.5')
TP-3 (3.5')
TP-6 (3')
TP-7 (3.5')
Trip Blank

trans-1,4-Dichloro-2-butene percent recoveries (68/70) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TP-12 (3.5')
TP-17 (3.5')
TP-2 (6')
TP-21 (3.5')
TP-23 (4')
TP-24 (3.5')
TP-26 (2.5')
TP-29 (2')
TP-29 (3.5')
TP-3 (3.5')
TP-6 (3')
TP-7 (3.5')
Trip Blank

1328538 BSD

1,2-Dibromo-3-chloropropane RPD 33% (30%) is outside individual acceptance criteria.

1328538-BSD1

LCS/LCSD were analyzed in place of MS/MSD.

1328664 BS/BSD

trans-1,4-Dichloro-2-butene percent recoveries (58/61) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TP-17 (3.5')

1328839 BS/BSD

Vinyl chloride percent recoveries (131/134) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

TP-19 (3')

Spikes:

1328538-MS1 *Source: SB80661-02RE1*

SW846 8260C

Spikes:

1328538-MS1 *Source: SB80661-02RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2,3-Trichlorobenzene
1,2-Dibromo-3-chloropropane
Bromomethane
Carbon disulfide
trans-1,4-Dichloro-2-butene

Samples:

S314299-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (21.4%)
Tert-Butanol / butyl alcohol (20.9%)

This affected the following samples:

1328320-BLK1
1328320-BS1
1328320-BSD1
TP-1 (2-5')
TP-11 (4')
TP-15 (2.5')
TP-18 (3')
TP-2 (6')
TP-4 (3.5')
TP-9 (3.5')

S314350-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Tert-Butanol / butyl alcohol (23.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-20.2%)
1,2-Dibromo-3-chloropropane (-24.0%)
2-Butanone (MEK) (-33.8%)

This affected the following samples:

1328445-BLK1
1328445-BS1
1328445-BSD1
Trip Blank

S314395-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (21.0%)
4-Methyl-2-pentanone (MIBK) (20.2%)
trans-1,4-Dichloro-2-butene (-25.4%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Dibromochloromethane (21.7%)

SW846 8260C

Samples:

S314395-CCV1

This affected the following samples:

1328538-BLK1
1328538-BS1
1328538-BSD1
1328538-MS1
TP-12 (3.5')
TP-17 (3.5')
TP-2 (6')
TP-21 (3.5')
TP-23 (4')
TP-24 (3.5')
TP-26 (2.5')
TP-29 (2')
TP-29 (3.5')
TP-3 (3.5')
TP-6 (3')
TP-7 (3.5')
Trip Blank

S314457-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

trans-1,4-Dichloro-2-butene (-31.2%)

This affected the following samples:

1328664-BLK1
1328664-BS1
1328664-BSD1
TP-17 (3.5')

S314574-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (20.7%)
Vinyl chloride (27.6%)

This affected the following samples:

1328839-BLK1
1328839-BS1
1328839-BSD1
TP-19 (3')

SB80661-02RE1 *TP-2 (6')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-03 *TP-3 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-05 *TP-6 (3')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-06 *TP-7 (3.5')*

SW846 8260C

Samples:

SB80661-06 *TP-7 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-09 *TP-12 (3.5')*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SB80661-11 *TP-17 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-11RE1 *TP-17 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-13 *TP-19 (3')*

Reporting limits reflect SW846 5035A High Level extraction technique due to interference and/or QC issues using SW846 5035A Low Level extraction technique.

SB80661-14 *TP-21 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-15 *TP-24 (3.5')*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SB80661-16 *TP-23 (4')*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SB80661-17 *TP-26 (2.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-18 *TP-29 (2')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB80661-19 *TP-29 (3.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8270D

Spikes:

1328443-MSD1 *Source: SB80661-17*

SW846 8270D

Spikes:

1328443-MSD1 *Source: SB80661-17*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benzo (a) anthracene
Benzo (a) pyrene
Chrysene
Fluorene
Phenanthrene

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1-Methylnaphthalene
Naphthalene

Duplicates:

1328443-DUP1 *Source: SB80661-17*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Naphthalene

Samples:

S314477-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Fluoranthene (20.8%)
Fluorene (21.2%)

This affected the following samples:

1328443-BLK1
1328443-BS1

S314583-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Methylnaphthalene (21.3%)
Fluoranthene (-21.3%)

This affected the following samples:

1328443-DUP1
1328443-MS1
1328443-MSD1
TP-23 (4')
TP-26 (2.5')

Sample Acceptance Check Form

Client:	GeoInsight, Inc. - Manchester, NH
Project:	Lempster- 902 Rt.10-Lempster, NH / 7256
Work Order:	SB80661
Sample(s) received on:	11/20/2013
Received by:	Jessica Hoffman

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (2-5') SB80661-01	7256	Soil	18-Nov-13 10:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 3.36 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 10.5		µg/kg dry	10.5	6.3	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	< 105		µg/kg dry	105	99.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 10.5		µg/kg dry	10.5	10.2	1	"	"	"	"	"	X
71-43-2	Benzene	< 10.5		µg/kg dry	10.5	3.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 10.5		µg/kg dry	10.5	2.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 10.5		µg/kg dry	10.5	9.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 10.5		µg/kg dry	10.5	7.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 10.5		µg/kg dry	10.5	5.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 20.9		µg/kg dry	20.9	18.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 105		µg/kg dry	105	32.1	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 10.5		µg/kg dry	10.5	7.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 10.5		µg/kg dry	10.5	4.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 10.5		µg/kg dry	10.5	2.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 20.9		µg/kg dry	20.9	15.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 10.5		µg/kg dry	10.5	7.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 10.5		µg/kg dry	10.5	5.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.9		µg/kg dry	20.9	6.9	1	"	"	"	"	"	X
67-66-3	Chloroform	< 10.5		µg/kg dry	10.5	7.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 20.9		µg/kg dry	20.9	10.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 10.5		µg/kg dry	10.5	3.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 10.5		µg/kg dry	10.5	4.8	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 20.9		µg/kg dry	20.9	20.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 10.5		µg/kg dry	10.5	7.6	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 10.5		µg/kg dry	10.5	7.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 10.5		µg/kg dry	10.5	7.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 10.5		µg/kg dry	10.5	3.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 10.5		µg/kg dry	10.5	4.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 10.5		µg/kg dry	10.5	4.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 20.9		µg/kg dry	20.9	5.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 10.5		µg/kg dry	10.5	10.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 10.5		µg/kg dry	10.5	6.9	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 10.5		µg/kg dry	10.5	5.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 10.5		µg/kg dry	10.5	4.6	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 10.5		µg/kg dry	10.5	8.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 10.5		µg/kg dry	10.5	5.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 10.5		µg/kg dry	10.5	7.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 10.5		µg/kg dry	10.5	4.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 10.5		µg/kg dry	10.5	4.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 10.5		µg/kg dry	10.5	3.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 10.5		µg/kg dry	10.5	6.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 10.5		µg/kg dry	10.5	6.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (2-5')	7256	Soil	18-Nov-13 10:15	20-Nov-13
SB80661-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 3.36 g							
87-68-3	Hexachlorobutadiene	< 10.5		µg/kg dry	10.5	10.4	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 105		µg/kg dry	105	24.3	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 10.5		µg/kg dry	10.5	2.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 10.5		µg/kg dry	10.5	4.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 10.5		µg/kg dry	10.5	6.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 105		µg/kg dry	105	43.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 20.9		µg/kg dry	20.9	8.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 10.5		µg/kg dry	10.5	4.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 10.5		µg/kg dry	10.5	4.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 10.5		µg/kg dry	10.5	3.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 10.5		µg/kg dry	10.5	5.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 10.5		µg/kg dry	10.5	9.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 10.5		µg/kg dry	10.5	6.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 10.5		µg/kg dry	10.5	7.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 10.5		µg/kg dry	10.5	7.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 10.5		µg/kg dry	10.5	8.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 10.5		µg/kg dry	10.5	7.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 10.5		µg/kg dry	10.5	8.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 10.5		µg/kg dry	10.5	7.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 10.5		µg/kg dry	10.5	6.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 10.5		µg/kg dry	10.5	4.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 10.5		µg/kg dry	10.5	8.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 10.5		µg/kg dry	10.5	3.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 10.5		µg/kg dry	10.5	4.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 10.5		µg/kg dry	10.5	6.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 20.9		µg/kg dry	20.9	14.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 10.5		µg/kg dry	10.5	2.6	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 20.9		µg/kg dry	20.9	10.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 10.5		µg/kg dry	10.5	7.6	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 10.5		µg/kg dry	10.5	2.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 10.5		µg/kg dry	10.5	4.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 10.5		µg/kg dry	10.5	5.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 105		µg/kg dry	105	103	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 209		µg/kg dry	209	186	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 52.3		µg/kg dry	52.3	17.9	1	"	"	"	"	"	X
64-17-5	Ethanol	< 4190		µg/kg dry	4190	684	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-1 (2-5') SB80661-01	7256	Soil	18-Nov-13 10:15	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Gasoline Range Organics													
Prepared by method VPH - EPA 5035A Soil						Initial weight: 13.56 g							
	Gasoline Range Organics	< 6.1	D	mg/kg dry	6.1	0.1	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*106*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*92*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.82		mg/kg dry	1.82	0.523	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	**2.34**		mg/kg dry	1.82	0.791	1	"	"	"	"	"	X
7440-39-3	Barium	**34.2**		mg/kg dry	1.21	0.390	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.605		mg/kg dry	0.605	0.178	1	"	"	"	"	"	X
7440-47-3	Chromium	**29.7**		mg/kg dry	1.21	0.261	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0549**		mg/kg dry	0.0327	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**24.8**		mg/kg dry	1.82	0.669	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.82		mg/kg dry	1.82	0.520	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**80.4**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (6') SB80661-02	7256	Soil	18-Nov-13 10:50	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.84 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.3		µg/kg dry	5.3	3.1	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	**181**		µg/kg dry	52.7	50.1	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5.3		µg/kg dry	5.3	5.2	1	"	"	"	"	"	X
71-43-2	Benzene	< 5.3		µg/kg dry	5.3	1.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.3		µg/kg dry	5.3	1.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.3		µg/kg dry	5.3	4.6	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.3		µg/kg dry	5.3	3.9	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.3		µg/kg dry	5.3	2.9	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 10.5		µg/kg dry	10.5	9.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 52.7		µg/kg dry	52.7	16.1	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**14.5**		µg/kg dry	5.3	3.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**6.4**		µg/kg dry	5.3	2.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.3		µg/kg dry	5.3	1.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10.5		µg/kg dry	10.5	7.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.3		µg/kg dry	5.3	3.9	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.3		µg/kg dry	5.3	2.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 10.5		µg/kg dry	10.5	3.5	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.3		µg/kg dry	5.3	3.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 10.5		µg/kg dry	10.5	5.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.3		µg/kg dry	5.3	1.6	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.3		µg/kg dry	5.3	2.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10.5		µg/kg dry	10.5	10.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.3		µg/kg dry	5.3	3.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.3		µg/kg dry	5.3	4.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.3		µg/kg dry	5.3	3.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.3		µg/kg dry	5.3	1.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.3		µg/kg dry	5.3	2.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.3		µg/kg dry	5.3	2.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.5		µg/kg dry	10.5	2.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.3		µg/kg dry	5.3	5.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.3		µg/kg dry	5.3	3.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.3		µg/kg dry	5.3	2.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.3		µg/kg dry	5.3	4.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.3		µg/kg dry	5.3	3.9	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.3		µg/kg dry	5.3	2.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.3		µg/kg dry	5.3	2.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.3		µg/kg dry	5.3	1.9	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.3		µg/kg dry	5.3	3.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	**20.0**		µg/kg dry	5.3	3.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (6')	7256	Soil	18-Nov-13 10:50	20-Nov-13
SB80661-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.84 g							
87-68-3	Hexachlorobutadiene	< 5.3		µg/kg dry	5.3	5.2	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 52.7		µg/kg dry	52.7	12.2	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**7.3**		µg/kg dry	5.3	1.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**7.4**		µg/kg dry	5.3	2.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.3		µg/kg dry	5.3	3.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 52.7		µg/kg dry	52.7	21.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10.5		µg/kg dry	10.5	4.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	**105**		µg/kg dry	5.3	2.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**15.5**		µg/kg dry	5.3	2.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.3		µg/kg dry	5.3	1.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.3		µg/kg dry	5.3	2.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.3		µg/kg dry	5.3	4.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.3		µg/kg dry	5.3	3.3	1	"	"	"	"	"	X
108-88-3	Toluene	**38.5**		µg/kg dry	5.3	3.6	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.3		µg/kg dry	5.3	3.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.3		µg/kg dry	5.3	4.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.3		µg/kg dry	5.3	3.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.3		µg/kg dry	5.3	4.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.3		µg/kg dry	5.3	3.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.3		µg/kg dry	5.3	3.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.3		µg/kg dry	5.3	2.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.3		µg/kg dry	5.3	4.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**317**	E	µg/kg dry	5.3	1.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**114**		µg/kg dry	5.3	2.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.3		µg/kg dry	5.3	3.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**69.9**		µg/kg dry	10.5	7.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	**102**		µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10.5		µg/kg dry	10.5	5.2	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.3		µg/kg dry	5.3	3.8	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5.3		µg/kg dry	5.3	1.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.3		µg/kg dry	5.3	2.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 52.7		µg/kg dry	52.7	51.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 105		µg/kg dry	105	93.5	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 26.3		µg/kg dry	26.3	9.0	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2110		µg/kg dry	2110	344	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (6')	7256	Soil	18-Nov-13 10:50	20-Nov-13
SB80661-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 16.57 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 63.0	D	µg/kg dry	63.0	37.7	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 630	D	µg/kg dry	630	599	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 63.0	D	µg/kg dry	63.0	61.7	50	"	"	"	"	"	X
71-43-2	Benzene	< 63.0	D	µg/kg dry	63.0	21.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 63.0	D	µg/kg dry	63.0	17.6	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 63.0	D	µg/kg dry	63.0	54.9	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 63.0	D	µg/kg dry	63.0	46.4	50	"	"	"	"	"	X
75-25-2	Bromoform	< 63.0	D	µg/kg dry	63.0	34.3	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 126	D	µg/kg dry	126	112	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 630	D	µg/kg dry	630	193	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**87.6**	D	µg/kg dry	63.0	43.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 63.0	D	µg/kg dry	63.0	28.0	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 63.0	D	µg/kg dry	63.0	16.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 126	D	µg/kg dry	126	90.1	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 63.0	D	µg/kg dry	63.0	46.2	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 63.0	D	µg/kg dry	63.0	34.1	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 126	D	µg/kg dry	126	41.3	50	"	"	"	"	"	X
67-66-3	Chloroform	< 63.0	D	µg/kg dry	63.0	46.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 126	D	µg/kg dry	126	64.3	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 63.0	D	µg/kg dry	63.0	19.5	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 63.0	D	µg/kg dry	63.0	28.7	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 126	D	µg/kg dry	126	121	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 63.0	D	µg/kg dry	63.0	46.0	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 63.0	D	µg/kg dry	63.0	47.7	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 63.0	D	µg/kg dry	63.0	42.7	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 63.0	D	µg/kg dry	63.0	21.1	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 63.0	D	µg/kg dry	63.0	27.9	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 63.0	D	µg/kg dry	63.0	23.9	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 126	D	µg/kg dry	126	31.1	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 63.0	D	µg/kg dry	63.0	61.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 63.0	D	µg/kg dry	63.0	41.3	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 63.0	D	µg/kg dry	63.0	33.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 63.0	D	µg/kg dry	63.0	27.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 63.0	D	µg/kg dry	63.0	53.5	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 63.0	D	µg/kg dry	63.0	33.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 63.0	D	µg/kg dry	63.0	46.1	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 63.0	D	µg/kg dry	63.0	25.5	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 63.0	D	µg/kg dry	63.0	24.1	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 63.0	D	µg/kg dry	63.0	22.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 63.0	D	µg/kg dry	63.0	37.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**68.0**	D	µg/kg dry	63.0	38.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 63.0	D	µg/kg dry	63.0	62.7	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (6')	7256	Soil	18-Nov-13 10:50	20-Nov-13
SB80661-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 16.57 g							
591-78-6	2-Hexanone (MBK)	< 630	D	µg/kg dry	630	147	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
98-82-8	Isopropylbenzene	< 63.0	D	µg/kg dry	63.0	13.8	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 63.0	D	µg/kg dry	63.0	29.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 63.0	D	µg/kg dry	63.0	39.5	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 630	D	µg/kg dry	630	259	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 126	D	µg/kg dry	126	51.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	**138**	D	µg/kg dry	63.0	28.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 63.0	D	µg/kg dry	63.0	24.6	50	"	"	"	"	"	X
100-42-5	Styrene	< 63.0	D	µg/kg dry	63.0	18.9	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 63.0	D	µg/kg dry	63.0	31.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 63.0	D	µg/kg dry	63.0	58.3	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 63.0	D	µg/kg dry	63.0	39.4	50	"	"	"	"	"	X
108-88-3	Toluene	**174**	D	µg/kg dry	63.0	43.0	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 63.0	D	µg/kg dry	63.0	44.7	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 63.0	D	µg/kg dry	63.0	48.7	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 63.0	D	µg/kg dry	63.0	44.7	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 63.0	D	µg/kg dry	63.0	48.5	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 63.0	D	µg/kg dry	63.0	45.2	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 63.0	D	µg/kg dry	63.0	39.1	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 189	D	µg/kg dry	189	26.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 63.0	D	µg/kg dry	63.0	52.5	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**782**	D	µg/kg dry	63.0	21.5	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**294**	D	µg/kg dry	63.0	24.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 63.0	D	µg/kg dry	63.0	38.0	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**219**	D	µg/kg dry	126	84.7	50	"	"	"	"	"	X
95-47-6	o-Xylene	**202**	D	µg/kg dry	63.0	15.8	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 126	D	µg/kg dry	126	62.2	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 63.0	D	µg/kg dry	63.0	45.6	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 63.0	D	µg/kg dry	63.0	15.7	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 63.0	D	µg/kg dry	63.0	25.2	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 63.0	D	µg/kg dry	63.0	33.0	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 630	D	µg/kg dry	630	619	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1260	D	µg/kg dry	1260	1120	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 315	D	µg/kg dry	315	108	50	"	"	"	"	"	X
64-17-5	Ethanol	< 25200	D	µg/kg dry	25200	4120	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*110*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-2 (6') SB80661-02	7256	Soil	18-Nov-13 10:50	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 16.57 g							
	Gasoline Range Organics	23.9	D	mg/kg dry	9.4	0.2	100	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*103*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*96*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.77		mg/kg dry	1.77	0.509	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	3.22		mg/kg dry	1.77	0.771	1	"	"	"	"	"	X
7440-39-3	Barium	47.7		mg/kg dry	1.18	0.379	1	"	"	"	"	"	X
7440-43-9	Cadmium	0.937		mg/kg dry	0.589	0.173	1	"	"	"	"	"	X
7440-47-3	Chromium	25.4		mg/kg dry	1.18	0.255	1	"	"	"	"	"	X
7439-97-6	Mercury	0.286		mg/kg dry	0.0339	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	157		mg/kg dry	1.77	0.652	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.77		mg/kg dry	1.77	0.507	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	84.3		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (3.5')	7256	Soil	18-Nov-13 11:45	20-Nov-13
SB80661-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 16.34 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 59.7	D	µg/kg dry	59.7	35.7	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 597	D	µg/kg dry	597	568	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 59.7	D	µg/kg dry	59.7	58.5	50	"	"	"	"	"	X
71-43-2	Benzene	**68.1**	D	µg/kg dry	59.7	20.3	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 59.7	D	µg/kg dry	59.7	16.7	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 59.7	D	µg/kg dry	59.7	52.0	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 59.7	D	µg/kg dry	59.7	44.0	50	"	"	"	"	"	X
75-25-2	Bromoform	< 59.7	D	µg/kg dry	59.7	32.5	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 119	D	µg/kg dry	119	106	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 597	D	µg/kg dry	597	183	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**158**	D	µg/kg dry	59.7	41.5	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 59.7	D	µg/kg dry	59.7	26.5	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 59.7	D	µg/kg dry	59.7	15.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 119	D	µg/kg dry	119	85.4	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 59.7	D	µg/kg dry	59.7	43.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 59.7	D	µg/kg dry	59.7	32.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 119	D	µg/kg dry	119	39.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 59.7	D	µg/kg dry	59.7	44.1	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 119	D	µg/kg dry	119	60.9	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 59.7	D	µg/kg dry	59.7	18.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 59.7	D	µg/kg dry	59.7	27.2	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 119	D	µg/kg dry	119	115	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 59.7	D	µg/kg dry	59.7	43.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 59.7	D	µg/kg dry	59.7	45.3	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 59.7	D	µg/kg dry	59.7	40.5	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 59.7	D	µg/kg dry	59.7	20.0	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 59.7	D	µg/kg dry	59.7	26.5	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 59.7	D	µg/kg dry	59.7	22.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 119	D	µg/kg dry	119	29.5	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 59.7	D	µg/kg dry	59.7	58.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 59.7	D	µg/kg dry	59.7	39.2	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 59.7	D	µg/kg dry	59.7	31.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 59.7	D	µg/kg dry	59.7	26.0	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 59.7	D	µg/kg dry	59.7	50.7	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 59.7	D	µg/kg dry	59.7	31.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 59.7	D	µg/kg dry	59.7	43.7	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 59.7	D	µg/kg dry	59.7	24.2	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 59.7	D	µg/kg dry	59.7	22.8	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 59.7	D	µg/kg dry	59.7	21.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 59.7	D	µg/kg dry	59.7	35.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**352**	D	µg/kg dry	59.7	36.4	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (3.5') SB80661-03	7256	Soil	18-Nov-13 11:45	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 16.34 g							
87-68-3	Hexachlorobutadiene	< 59.7	D	µg/kg dry	59.7	59.4	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 597	D	µg/kg dry	597	139	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**64.5**	D	µg/kg dry	59.7	13.1	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 59.7	D	µg/kg dry	59.7	28.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 59.7	D	µg/kg dry	59.7	37.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 597	D	µg/kg dry	597	245	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 119	D	µg/kg dry	119	49.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	**382**	D	µg/kg dry	59.7	26.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**219**	D	µg/kg dry	59.7	23.3	50	"	"	"	"	"	X
100-42-5	Styrene	**219**	D	µg/kg dry	59.7	17.9	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 59.7	D	µg/kg dry	59.7	29.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 59.7	D	µg/kg dry	59.7	55.3	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 59.7	D	µg/kg dry	59.7	37.4	50	"	"	"	"	"	X
108-88-3	Toluene	**693**	D	µg/kg dry	59.7	40.7	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 59.7	D	µg/kg dry	59.7	42.3	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 59.7	D	µg/kg dry	59.7	46.2	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 59.7	D	µg/kg dry	59.7	42.3	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 59.7	D	µg/kg dry	59.7	46.0	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 59.7	D	µg/kg dry	59.7	42.8	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 59.7	D	µg/kg dry	59.7	37.1	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**715**	D	µg/kg dry	59.7	25.3	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 59.7	D	µg/kg dry	59.7	49.7	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**1,970**	D	µg/kg dry	59.7	20.4	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**712**	D	µg/kg dry	59.7	23.3	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 59.7	D	µg/kg dry	59.7	36.0	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**1,350**	D	µg/kg dry	119	80.2	50	"	"	"	"	"	X
95-47-6	o-Xylene	**754**	D	µg/kg dry	59.7	15.0	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 119	D	µg/kg dry	119	58.9	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 59.7	D	µg/kg dry	59.7	43.2	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 59.7	D	µg/kg dry	59.7	14.9	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 59.7	D	µg/kg dry	59.7	23.9	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 59.7	D	µg/kg dry	59.7	31.3	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 597	D	µg/kg dry	597	587	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1190	D	µg/kg dry	1190	1060	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 299	D	µg/kg dry	299	102	50	"	"	"	"	"	X
64-17-5	Ethanol	< 23900	D	µg/kg dry	23900	3900	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*112*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-3 (3.5') SB80661-03	7256	Soil	18-Nov-13 11:45	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 16.34 g							
	Gasoline Range Organics	44.2	D	mg/kg dry	22.4	0.5	250	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*98*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*92*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.62		mg/kg dry	1.62	0.466	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.62		mg/kg dry	1.62	0.706	1	"	"	"	"	"	X
7440-39-3	Barium	84.8		mg/kg dry	1.08	0.348	1	"	"	"	"	"	X
7440-43-9	Cadmium	1.98		mg/kg dry	0.540	0.159	1	"	"	"	"	"	X
7440-47-3	Chromium	30.3		mg/kg dry	1.08	0.233	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0976		mg/kg dry	0.0299	0.0015	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	173		mg/kg dry	1.62	0.597	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.62		mg/kg dry	1.62	0.464	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	87.4		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (3.5') SB80661-04	7256	Soil	18-Nov-13 12:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.27 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.6		µg/kg dry	4.6	2.8	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	< 46.1		µg/kg dry	46.1	43.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.6		µg/kg dry	4.6	4.5	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.6		µg/kg dry	4.6	1.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.6		µg/kg dry	4.6	1.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.6		µg/kg dry	4.6	4.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.2		µg/kg dry	9.2	8.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 46.1		µg/kg dry	46.1	14.1	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.6		µg/kg dry	4.6	3.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.6		µg/kg dry	4.6	2.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.6		µg/kg dry	4.6	1.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.2		µg/kg dry	9.2	6.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.2		µg/kg dry	9.2	3.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.2		µg/kg dry	9.2	4.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.6		µg/kg dry	4.6	1.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.6		µg/kg dry	4.6	2.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.2		µg/kg dry	9.2	8.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.6		µg/kg dry	4.6	3.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.6		µg/kg dry	4.6	3.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.6		µg/kg dry	4.6	1.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.6		µg/kg dry	4.6	2.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.6		µg/kg dry	4.6	1.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.2		µg/kg dry	9.2	2.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.6		µg/kg dry	4.6	4.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.6		µg/kg dry	4.6	3.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.6		µg/kg dry	4.6	2.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.6		µg/kg dry	4.6	3.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.6		µg/kg dry	4.6	2.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.6		µg/kg dry	4.6	1.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.6		µg/kg dry	4.6	1.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.6		µg/kg dry	4.6	2.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.6		µg/kg dry	4.6	2.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (3.5') SB80661-04	7256	Soil	18-Nov-13 12:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.27 g							
87-68-3	Hexachlorobutadiene	< 4.6		µg/kg dry	4.6	4.6	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 46.1		µg/kg dry	46.1	10.7	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4.6		µg/kg dry	4.6	1.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.6		µg/kg dry	4.6	2.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**48.6**		µg/kg dry	4.6	2.9	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 46.1		µg/kg dry	46.1	18.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.2		µg/kg dry	9.2	3.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.6		µg/kg dry	4.6	2.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.6		µg/kg dry	4.6	1.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.6		µg/kg dry	4.6	2.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.6		µg/kg dry	4.6	4.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.6		µg/kg dry	4.6	2.9	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.6		µg/kg dry	4.6	3.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.6		µg/kg dry	4.6	3.6	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.6		µg/kg dry	4.6	3.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.6		µg/kg dry	4.6	2.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.6		µg/kg dry	4.6	1.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.6		µg/kg dry	4.6	3.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.6		µg/kg dry	4.6	1.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.6		µg/kg dry	4.6	2.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.2		µg/kg dry	9.2	6.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.6		µg/kg dry	4.6	1.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.2		µg/kg dry	9.2	4.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 4.6		µg/kg dry	4.6	1.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.6		µg/kg dry	4.6	2.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 46.1		µg/kg dry	46.1	45.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 92.2		µg/kg dry	92.2	81.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 23.0		µg/kg dry	23.0	7.9	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1840		µg/kg dry	1840	301	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			VC10										

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-4 (3.5') SB80661-04	7256	Soil	18-Nov-13 12:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			VC10										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 22.08 g							
	Gasoline Range Organics	< 3.0	D	mg/kg dry	3.0	0.06	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*107*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*99*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.49		mg/kg dry	1.49	0.428	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	**2.38**		mg/kg dry	1.49	0.648	1	"	"	"	"	"	X
7440-39-3	Barium	**52.1**		mg/kg dry	0.991	0.319	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.495		mg/kg dry	0.495	0.146	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.9**		mg/kg dry	0.991	0.214	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0289		mg/kg dry	0.0289	0.0015	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**16.0**		mg/kg dry	1.49	0.548	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.49		mg/kg dry	1.49	0.426	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (3')	7256	Soil	18-Nov-13 12:50	20-Nov-13
SB80661-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 12.2 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 92.0	D	µg/kg dry	92.0	55.0	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 920	D	µg/kg dry	920	875	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 92.0	D	µg/kg dry	92.0	90.1	50	"	"	"	"	"	X
71-43-2	Benzene	**307**	D	µg/kg dry	92.0	31.3	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 92.0	D	µg/kg dry	92.0	25.7	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 92.0	D	µg/kg dry	92.0	80.2	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 92.0	D	µg/kg dry	92.0	67.8	50	"	"	"	"	"	X
75-25-2	Bromoform	< 92.0	D	µg/kg dry	92.0	50.1	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 184	D	µg/kg dry	184	163	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 920	D	µg/kg dry	920	282	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 92.0	D	µg/kg dry	92.0	64.0	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 92.0	D	µg/kg dry	92.0	40.9	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 92.0	D	µg/kg dry	92.0	23.7	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 184	D	µg/kg dry	184	132	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 92.0	D	µg/kg dry	92.0	67.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 92.0	D	µg/kg dry	92.0	49.9	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 184	D	µg/kg dry	184	60.4	50	"	"	"	"	"	X
67-66-3	Chloroform	< 92.0	D	µg/kg dry	92.0	68.0	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 184	D	µg/kg dry	184	93.9	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 92.0	D	µg/kg dry	92.0	28.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 92.0	D	µg/kg dry	92.0	42.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 184	D	µg/kg dry	184	177	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 92.0	D	µg/kg dry	92.0	67.2	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 92.0	D	µg/kg dry	92.0	69.8	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 92.0	D	µg/kg dry	92.0	62.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 92.0	D	µg/kg dry	92.0	30.8	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 92.0	D	µg/kg dry	92.0	40.8	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 92.0	D	µg/kg dry	92.0	34.9	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 184	D	µg/kg dry	184	45.5	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 92.0	D	µg/kg dry	92.0	90.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 92.0	D	µg/kg dry	92.0	60.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 92.0	D	µg/kg dry	92.0	49.0	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 92.0	D	µg/kg dry	92.0	40.0	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 92.0	D	µg/kg dry	92.0	78.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 92.0	D	µg/kg dry	92.0	48.8	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 92.0	D	µg/kg dry	92.0	67.4	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 92.0	D	µg/kg dry	92.0	37.3	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 92.0	D	µg/kg dry	92.0	35.2	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 92.0	D	µg/kg dry	92.0	33.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 92.0	D	µg/kg dry	92.0	55.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**274**	D	µg/kg dry	92.0	56.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (3') SB80661-05	7256	Soil	18-Nov-13 12:50	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 12.2 g							
87-68-3	Hexachlorobutadiene	< 92.0	D	µg/kg dry	92.0	91.6	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 920	D	µg/kg dry	920	214	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 92.0	D	µg/kg dry	92.0	20.2	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 92.0	D	µg/kg dry	92.0	43.3	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**396**	D	µg/kg dry	92.0	57.7	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 920	D	µg/kg dry	920	378	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 184	D	µg/kg dry	184	75.8	50	"	"	"	"	"	X
91-20-3	Naphthalene	**121**	D	µg/kg dry	92.0	41.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**99.4**	D	µg/kg dry	92.0	36.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 92.0	D	µg/kg dry	92.0	27.6	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 92.0	D	µg/kg dry	92.0	45.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 92.0	D	µg/kg dry	92.0	85.2	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 92.0	D	µg/kg dry	92.0	57.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 92.0	D	µg/kg dry	92.0	62.8	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 92.0	D	µg/kg dry	92.0	65.3	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 92.0	D	µg/kg dry	92.0	71.1	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 92.0	D	µg/kg dry	92.0	65.3	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 92.0	D	µg/kg dry	92.0	70.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 92.0	D	µg/kg dry	92.0	66.0	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 92.0	D	µg/kg dry	92.0	57.2	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 92.0	D	µg/kg dry	92.0	38.9	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 92.0	D	µg/kg dry	92.0	76.7	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**486**	D	µg/kg dry	92.0	31.5	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**116**	D	µg/kg dry	92.0	36.0	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 92.0	D	µg/kg dry	92.0	55.5	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**439**	D	µg/kg dry	184	124	50	"	"	"	"	"	X
95-47-6	o-Xylene	**156**	D	µg/kg dry	92.0	23.1	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 184	D	µg/kg dry	184	90.8	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 92.0	D	µg/kg dry	92.0	66.6	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	**103**	D	µg/kg dry	92.0	23.0	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 92.0	D	µg/kg dry	92.0	36.8	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 92.0	D	µg/kg dry	92.0	48.2	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 920	D	µg/kg dry	920	905	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1840	D	µg/kg dry	1840	1640	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 460	D	µg/kg dry	460	157	50	"	"	"	"	"	X
64-17-5	Ethanol	< 36800	D	µg/kg dry	36800	6020	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*111*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	

Gasoline Range Organics

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-6 (3') SB80661-05	7256	Soil	18-Nov-13 12:50	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Gasoline Range Organics													
Prepared by method VPH - EPA 5035A Soil						Initial weight: 12.2 g							
	Gasoline Range Organics	**24.2**	D	mg/kg dry	6.9	0.1	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*111*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*102*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.79		mg/kg dry	1.79	0.516	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.79		mg/kg dry	1.79	0.781	1	"	"	"	"	"	X
7440-39-3	Barium	**36.4**		mg/kg dry	1.19	0.385	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.597		mg/kg dry	0.597	0.176	1	"	"	"	"	"	X
7440-47-3	Chromium	**16.9**		mg/kg dry	1.19	0.258	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0842**		mg/kg dry	0.0340	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**56.6**		mg/kg dry	1.79	0.661	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.79		mg/kg dry	1.79	0.514	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**78.5**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-7 (3.5') SB80661-06	7256	Soil	18-Nov-13 14:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 19.82 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 48.5	D	µg/kg dry	48.5	29.0	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 485	D	µg/kg dry	485	461	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 48.5	D	µg/kg dry	48.5	47.5	50	"	"	"	"	"	X
71-43-2	Benzene	< 48.5	D	µg/kg dry	48.5	16.5	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 48.5	D	µg/kg dry	48.5	13.5	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 48.5	D	µg/kg dry	48.5	42.2	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 48.5	D	µg/kg dry	48.5	35.7	50	"	"	"	"	"	X
75-25-2	Bromoform	< 48.5	D	µg/kg dry	48.5	26.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 97.0	D	µg/kg dry	97.0	86.0	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 485	D	µg/kg dry	485	149	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**53.3**	D	µg/kg dry	48.5	33.7	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 48.5	D	µg/kg dry	48.5	21.5	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 48.5	D	µg/kg dry	48.5	12.5	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 97.0	D	µg/kg dry	97.0	69.3	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 48.5	D	µg/kg dry	48.5	35.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 48.5	D	µg/kg dry	48.5	26.3	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 97.0	D	µg/kg dry	97.0	31.8	50	"	"	"	"	"	X
67-66-3	Chloroform	< 48.5	D	µg/kg dry	48.5	35.8	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 97.0	D	µg/kg dry	97.0	49.4	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 48.5	D	µg/kg dry	48.5	15.0	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 48.5	D	µg/kg dry	48.5	22.1	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 97.0	D	µg/kg dry	97.0	93.3	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 48.5	D	µg/kg dry	48.5	35.4	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 48.5	D	µg/kg dry	48.5	36.7	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 48.5	D	µg/kg dry	48.5	32.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 48.5	D	µg/kg dry	48.5	16.2	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 48.5	D	µg/kg dry	48.5	21.5	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 48.5	D	µg/kg dry	48.5	18.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 97.0	D	µg/kg dry	97.0	23.9	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 48.5	D	µg/kg dry	48.5	47.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 48.5	D	µg/kg dry	48.5	31.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 48.5	D	µg/kg dry	48.5	25.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 48.5	D	µg/kg dry	48.5	21.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 48.5	D	µg/kg dry	48.5	41.2	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 48.5	D	µg/kg dry	48.5	25.7	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 48.5	D	µg/kg dry	48.5	35.5	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 48.5	D	µg/kg dry	48.5	19.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 48.5	D	µg/kg dry	48.5	18.5	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 48.5	D	µg/kg dry	48.5	17.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 48.5	D	µg/kg dry	48.5	29.2	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**57.7**	D	µg/kg dry	48.5	29.5	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-7 (3.5') SB80661-06	7256	Soil	18-Nov-13 14:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 19.82 g							
87-68-3	Hexachlorobutadiene	< 48.5	D	µg/kg dry	48.5	48.2	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 485	D	µg/kg dry	485	113	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 48.5	D	µg/kg dry	48.5	10.6	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 48.5	D	µg/kg dry	48.5	22.8	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 48.5	D	µg/kg dry	48.5	30.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 485	D	µg/kg dry	485	199	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 97.0	D	µg/kg dry	97.0	39.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	**57.7**	D	µg/kg dry	48.5	21.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**103**	D	µg/kg dry	48.5	19.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 48.5	D	µg/kg dry	48.5	14.5	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 48.5	D	µg/kg dry	48.5	24.1	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 48.5	D	µg/kg dry	48.5	44.9	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 48.5	D	µg/kg dry	48.5	30.3	50	"	"	"	"	"	X
108-88-3	Toluene	< 48.5	D	µg/kg dry	48.5	33.1	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 48.5	D	µg/kg dry	48.5	34.4	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 48.5	D	µg/kg dry	48.5	37.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 48.5	D	µg/kg dry	48.5	34.4	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 48.5	D	µg/kg dry	48.5	37.3	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 48.5	D	µg/kg dry	48.5	34.8	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 48.5	D	µg/kg dry	48.5	30.1	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 48.5	D	µg/kg dry	48.5	20.5	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 48.5	D	µg/kg dry	48.5	40.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**1,190**	D	µg/kg dry	48.5	16.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**325**	D	µg/kg dry	48.5	19.0	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 48.5	D	µg/kg dry	48.5	29.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**389**	D	µg/kg dry	97.0	65.2	50	"	"	"	"	"	X
95-47-6	o-Xylene	**147**	D	µg/kg dry	48.5	12.2	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 97.0	D	µg/kg dry	97.0	47.8	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 48.5	D	µg/kg dry	48.5	35.1	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 48.5	D	µg/kg dry	48.5	12.1	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 48.5	D	µg/kg dry	48.5	19.4	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 48.5	D	µg/kg dry	48.5	25.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 485	D	µg/kg dry	485	477	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 970	D	µg/kg dry	970	861	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 242	D	µg/kg dry	242	82.8	50	"	"	"	"	"	X
64-17-5	Ethanol	< 19400	D	µg/kg dry	19400	3170	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*109*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			VC10										

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-7 (3.5') SB80661-06	7256	Soil	18-Nov-13 14:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			VC10										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 19.82 g							
	Gasoline Range Organics	8.4	D	mg/kg dry	3.6	0.08	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*102*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*96*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.61		mg/kg dry	1.61	0.462	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	4.13		mg/kg dry	1.61	0.700	1	"	"	"	"	"	X
7440-39-3	Barium	26.7		mg/kg dry	1.07	0.345	1	"	"	04-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.535		mg/kg dry	0.535	0.157	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	13.6		mg/kg dry	1.07	0.231	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0325		mg/kg dry	0.0325	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	6.98		mg/kg dry	1.61	0.592	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.61		mg/kg dry	1.61	0.460	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	89.2		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-9 (3.5') SB80661-07	7256	Soil	18-Nov-13 14:45	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.37 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.6		µg/kg dry	4.6	2.8	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	< 46.4		µg/kg dry	46.4	44.1	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.6		µg/kg dry	4.6	4.5	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.6		µg/kg dry	4.6	1.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.6		µg/kg dry	4.6	1.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.6		µg/kg dry	4.6	4.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.3		µg/kg dry	9.3	8.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 46.4		µg/kg dry	46.4	14.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.6		µg/kg dry	4.6	3.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.6		µg/kg dry	4.6	2.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.6		µg/kg dry	4.6	1.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.3		µg/kg dry	9.3	6.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.3		µg/kg dry	9.3	3.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.3		µg/kg dry	9.3	4.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.6		µg/kg dry	4.6	1.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.6		µg/kg dry	4.6	2.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.3		µg/kg dry	9.3	8.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.6		µg/kg dry	4.6	3.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.6		µg/kg dry	4.6	3.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.6		µg/kg dry	4.6	1.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.6		µg/kg dry	4.6	2.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.3		µg/kg dry	9.3	2.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.6		µg/kg dry	4.6	4.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.6		µg/kg dry	4.6	3.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.6		µg/kg dry	4.6	2.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.6		µg/kg dry	4.6	3.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.6		µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.6		µg/kg dry	4.6	1.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.6		µg/kg dry	4.6	1.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.6		µg/kg dry	4.6	2.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.6		µg/kg dry	4.6	2.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-9 (3.5') SB80661-07	7256	Soil	18-Nov-13 14:45	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.37 g							
87-68-3	Hexachlorobutadiene	< 4.6		µg/kg dry	4.6	4.6	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 46.4		µg/kg dry	46.4	10.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4.6		µg/kg dry	4.6	1.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.6		µg/kg dry	4.6	2.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.6		µg/kg dry	4.6	2.9	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 46.4		µg/kg dry	46.4	19.1	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.3		µg/kg dry	9.3	3.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.6		µg/kg dry	4.6	2.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.6		µg/kg dry	4.6	1.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.6		µg/kg dry	4.6	2.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.6		µg/kg dry	4.6	4.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.6		µg/kg dry	4.6	2.9	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.6		µg/kg dry	4.6	3.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.6		µg/kg dry	4.6	3.6	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.6		µg/kg dry	4.6	3.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.6		µg/kg dry	4.6	3.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.6		µg/kg dry	4.6	2.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.6		µg/kg dry	4.6	2.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.6		µg/kg dry	4.6	3.9	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.6		µg/kg dry	4.6	1.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.6		µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.6		µg/kg dry	4.6	2.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.3		µg/kg dry	9.3	6.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.6		µg/kg dry	4.6	1.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.3		µg/kg dry	9.3	4.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.6		µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 4.6		µg/kg dry	4.6	1.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.6		µg/kg dry	4.6	1.9	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.6		µg/kg dry	4.6	2.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 46.4		µg/kg dry	46.4	45.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 92.7		µg/kg dry	92.7	82.4	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 23.2		µg/kg dry	23.2	7.9	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1850		µg/kg dry	1850	303	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			VC10										

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-9 (3.5') SB80661-07	7256	Soil	18-Nov-13 14:45	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			VC10										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 21.13 g							
	Gasoline Range Organics	< 3.2	D	mg/kg dry	3.2	0.07	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*104*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*97*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.58		mg/kg dry	1.58	0.455	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	**3.80**		mg/kg dry	1.58	0.689	1	"	"	"	"	"	X
7440-39-3	Barium	**32.8**		mg/kg dry	1.05	0.339	1	"	"	04-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.527		mg/kg dry	0.527	0.155	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**13.6**		mg/kg dry	1.05	0.228	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0306		mg/kg dry	0.0306	0.0016	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**76.2**		mg/kg dry	1.58	0.583	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.58		mg/kg dry	1.58	0.453	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.6**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-11 (4') SB80661-08	7256	Soil	18-Nov-13 15:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.24 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.8		µg/kg dry	4.8	2.9	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	< 48.3		µg/kg dry	48.3	45.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.8		µg/kg dry	4.8	4.7	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.8		µg/kg dry	4.8	1.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.8		µg/kg dry	4.8	1.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.8		µg/kg dry	4.8	4.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.8		µg/kg dry	4.8	3.6	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.8		µg/kg dry	4.8	2.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.7		µg/kg dry	9.7	8.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 48.3		µg/kg dry	48.3	14.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.8		µg/kg dry	4.8	3.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.8		µg/kg dry	4.8	2.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.8		µg/kg dry	4.8	1.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.7		µg/kg dry	9.7	6.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.8		µg/kg dry	4.8	3.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.8		µg/kg dry	4.8	2.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.7		µg/kg dry	9.7	3.2	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.8		µg/kg dry	4.8	3.6	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.7		µg/kg dry	9.7	4.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.8		µg/kg dry	4.8	1.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.8		µg/kg dry	4.8	2.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.7		µg/kg dry	9.7	9.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.8		µg/kg dry	4.8	3.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.8		µg/kg dry	4.8	3.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.8		µg/kg dry	4.8	3.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.8		µg/kg dry	4.8	1.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.8		µg/kg dry	4.8	2.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.8		µg/kg dry	4.8	1.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.7		µg/kg dry	9.7	2.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.8		µg/kg dry	4.8	4.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.8		µg/kg dry	4.8	3.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.8		µg/kg dry	4.8	2.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.8		µg/kg dry	4.8	2.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.8		µg/kg dry	4.8	4.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.8		µg/kg dry	4.8	2.6	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.8		µg/kg dry	4.8	3.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.8		µg/kg dry	4.8	2.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.8		µg/kg dry	4.8	1.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.8		µg/kg dry	4.8	1.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.8		µg/kg dry	4.8	2.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.8		µg/kg dry	4.8	2.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-11 (4') SB80661-08	7256	Soil	18-Nov-13 15:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.24 g							
87-68-3	Hexachlorobutadiene	< 4.8		µg/kg dry	4.8	4.8	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 48.3		µg/kg dry	48.3	11.2	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4.8		µg/kg dry	4.8	1.1	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.8		µg/kg dry	4.8	2.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.8		µg/kg dry	4.8	3.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 48.3		µg/kg dry	48.3	19.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.7		µg/kg dry	9.7	4.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.8		µg/kg dry	4.8	2.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.8		µg/kg dry	4.8	1.9	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.8		µg/kg dry	4.8	1.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.8		µg/kg dry	4.8	2.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.8		µg/kg dry	4.8	4.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.8		µg/kg dry	4.8	3.0	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.8		µg/kg dry	4.8	3.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.8		µg/kg dry	4.8	3.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.8		µg/kg dry	4.8	3.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.8		µg/kg dry	4.8	3.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.8		µg/kg dry	4.8	3.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.8		µg/kg dry	4.8	3.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.8		µg/kg dry	4.8	3.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.8		µg/kg dry	4.8	2.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.8		µg/kg dry	4.8	4.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.8		µg/kg dry	4.8	1.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.8		µg/kg dry	4.8	1.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.8		µg/kg dry	4.8	2.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.7		µg/kg dry	9.7	6.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.8		µg/kg dry	4.8	1.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.7		µg/kg dry	9.7	4.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.8		µg/kg dry	4.8	3.5	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 4.8		µg/kg dry	4.8	1.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.8		µg/kg dry	4.8	1.9	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.8		µg/kg dry	4.8	2.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 48.3		µg/kg dry	48.3	47.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 96.6		µg/kg dry	96.6	85.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 24.1		µg/kg dry	24.1	8.2	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1930		µg/kg dry	1930	316	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			VC10										

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-11 (4') SB80661-08	7256	Soil	18-Nov-13 15:15	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Gasoline Range Organics			VC10										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 20.59 g							
	Gasoline Range Organics	< 3.3	D	mg/kg dry	3.3	0.07	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*100*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*91*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.52		mg/kg dry	1.52	0.438	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.52		mg/kg dry	1.52	0.664	1	"	"	"	"	"	X
7440-39-3	Barium	**24.8**		mg/kg dry	1.01	0.327	1	"	"	04-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.507		mg/kg dry	0.507	0.149	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**8.83**		mg/kg dry	1.01	0.219	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0286		mg/kg dry	0.0286	0.0015	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**37.4**		mg/kg dry	1.52	0.561	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.52		mg/kg dry	1.52	0.436	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**91.6**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-12 (3.5') SB80661-09	7256	Soil	18-Nov-13 15:30	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 11.77 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 89.9	D	µg/kg dry	89.9	53.7	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 899	D	µg/kg dry	899	854	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 89.9	D	µg/kg dry	89.9	88.0	50	"	"	"	"	"	X
71-43-2	Benzene	< 89.9	D	µg/kg dry	89.9	30.5	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 89.9	D	µg/kg dry	89.9	25.1	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 89.9	D	µg/kg dry	89.9	78.3	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 89.9	D	µg/kg dry	89.9	66.2	50	"	"	"	"	"	X
75-25-2	Bromoform	< 89.9	D	µg/kg dry	89.9	48.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 180	D	µg/kg dry	180	159	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 899	D	µg/kg dry	899	275	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 89.9	D	µg/kg dry	89.9	62.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 89.9	D	µg/kg dry	89.9	39.9	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 89.9	D	µg/kg dry	89.9	23.1	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 180	D	µg/kg dry	180	128	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 89.9	D	µg/kg dry	89.9	66.0	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 89.9	D	µg/kg dry	89.9	48.7	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 180	D	µg/kg dry	180	58.9	50	"	"	"	"	"	X
67-66-3	Chloroform	< 89.9	D	µg/kg dry	89.9	66.4	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 180	D	µg/kg dry	180	91.6	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 89.9	D	µg/kg dry	89.9	27.8	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 89.9	D	µg/kg dry	89.9	41.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 180	D	µg/kg dry	180	173	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 89.9	D	µg/kg dry	89.9	65.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 89.9	D	µg/kg dry	89.9	68.1	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 89.9	D	µg/kg dry	89.9	60.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 89.9	D	µg/kg dry	89.9	30.1	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 89.9	D	µg/kg dry	89.9	39.8	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 89.9	D	µg/kg dry	89.9	34.1	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 180	D	µg/kg dry	180	44.4	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 89.9	D	µg/kg dry	89.9	87.9	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 89.9	D	µg/kg dry	89.9	58.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 89.9	D	µg/kg dry	89.9	47.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 89.9	D	µg/kg dry	89.9	39.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 89.9	D	µg/kg dry	89.9	76.3	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 89.9	D	µg/kg dry	89.9	47.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 89.9	D	µg/kg dry	89.9	65.8	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 89.9	D	µg/kg dry	89.9	36.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 89.9	D	µg/kg dry	89.9	34.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 89.9	D	µg/kg dry	89.9	32.3	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 89.9	D	µg/kg dry	89.9	54.1	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 89.9	D	µg/kg dry	89.9	54.7	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-12 (3.5') SB80661-09	7256	Soil	18-Nov-13 15:30	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 11.77 g							
87-68-3	Hexachlorobutadiene	< 89.9	D	µg/kg dry	89.9	89.4	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 899	D	µg/kg dry	899	209	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 89.9	D	µg/kg dry	89.9	19.7	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 89.9	D	µg/kg dry	89.9	42.2	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 89.9	D	µg/kg dry	89.9	56.3	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 899	D	µg/kg dry	899	369	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 180	D	µg/kg dry	180	74.0	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 89.9	D	µg/kg dry	89.9	40.1	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**155**	D	µg/kg dry	89.9	35.1	50	"	"	"	"	"	X
100-42-5	Styrene	< 89.9	D	µg/kg dry	89.9	27.0	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 89.9	D	µg/kg dry	89.9	44.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 89.9	D	µg/kg dry	89.9	83.2	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 89.9	D	µg/kg dry	89.9	56.2	50	"	"	"	"	"	X
108-88-3	Toluene	< 89.9	D	µg/kg dry	89.9	61.3	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 89.9	D	µg/kg dry	89.9	63.7	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 89.9	D	µg/kg dry	89.9	69.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 89.9	D	µg/kg dry	89.9	63.7	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 89.9	D	µg/kg dry	89.9	69.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 89.9	D	µg/kg dry	89.9	64.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 89.9	D	µg/kg dry	89.9	55.8	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 89.9	D	µg/kg dry	89.9	38.0	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 89.9	D	µg/kg dry	89.9	74.8	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 89.9	D	µg/kg dry	89.9	30.7	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 89.9	D	µg/kg dry	89.9	35.1	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 89.9	D	µg/kg dry	89.9	54.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 180	D	µg/kg dry	180	121	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 89.9	D	µg/kg dry	89.9	22.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 180	D	µg/kg dry	180	88.7	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 89.9	D	µg/kg dry	89.9	65.1	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 89.9	D	µg/kg dry	89.9	22.5	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 89.9	D	µg/kg dry	89.9	35.9	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 89.9	D	µg/kg dry	89.9	47.1	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 899	D	µg/kg dry	899	883	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1800	D	µg/kg dry	1800	1600	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 449	D	µg/kg dry	449	153	50	"	"	"	"	"	X
64-17-5	Ethanol	< 35900	D	µg/kg dry	35900	5870	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*112*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	

Gasoline Range Organics

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-12 (3.5') SB80661-09	7256	Soil	18-Nov-13 15:30	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics													
Prepared by method VPH - EPA 5035A Soil						Initial weight: 11.77 g							
	Gasoline Range Organics	**10.0**	D	mg/kg dry	6.7	0.1	50	Mod 8015	27-Nov-13	27-Nov-13	mp	1328813	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*111*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*103*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.75		mg/kg dry	1.75	0.503	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.75		mg/kg dry	1.75	0.761	1	"	"	"	"	"	X
7440-39-3	Barium	**34.4**		mg/kg dry	1.16	0.375	1	"	"	04-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.582		mg/kg dry	0.582	0.171	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**10.3**		mg/kg dry	1.16	0.251	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0387**		mg/kg dry	0.0335	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**22.0**		mg/kg dry	1.75	0.643	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.75		mg/kg dry	1.75	0.500	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.3**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-15 (2.5') SB80661-10	7256	Soil	19-Nov-13 07:55	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.2 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.7		µg/kg dry	5.7	3.4	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	< 57.5		µg/kg dry	57.5	54.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5.7		µg/kg dry	5.7	5.6	1	"	"	"	"	"	X
71-43-2	Benzene	< 5.7		µg/kg dry	5.7	2.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.7		µg/kg dry	5.7	1.6	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.7		µg/kg dry	5.7	5.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.7		µg/kg dry	5.7	3.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 11.5		µg/kg dry	11.5	10.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 57.5		µg/kg dry	57.5	17.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.7		µg/kg dry	5.7	4.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.7		µg/kg dry	5.7	2.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.7		µg/kg dry	5.7	1.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 11.5		µg/kg dry	11.5	8.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.7		µg/kg dry	5.7	3.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 11.5		µg/kg dry	11.5	3.8	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 11.5		µg/kg dry	11.5	5.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.7		µg/kg dry	5.7	1.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.7		µg/kg dry	5.7	2.6	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 11.5		µg/kg dry	11.5	11.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.7		µg/kg dry	5.7	4.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.7		µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.7		µg/kg dry	5.7	1.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.7		µg/kg dry	5.7	2.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.7		µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 11.5		µg/kg dry	11.5	2.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.7		µg/kg dry	5.7	5.6	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.7		µg/kg dry	5.7	3.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.7		µg/kg dry	5.7	3.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.7		µg/kg dry	5.7	2.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.7		µg/kg dry	5.7	4.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.7		µg/kg dry	5.7	3.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.7		µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.7		µg/kg dry	5.7	2.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-15 (2.5') SB80661-10	7256	Soil	19-Nov-13 07:55	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.2 g							
87-68-3	Hexachlorobutadiene	< 5.7		µg/kg dry	5.7	5.7	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 57.5		µg/kg dry	57.5	13.4	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5.7		µg/kg dry	5.7	1.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.7		µg/kg dry	5.7	2.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.7		µg/kg dry	5.7	3.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 57.5		µg/kg dry	57.5	23.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 11.5		µg/kg dry	11.5	4.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.7		µg/kg dry	5.7	2.6	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.7		µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.7		µg/kg dry	5.7	1.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.7		µg/kg dry	5.7	5.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.7		µg/kg dry	5.7	3.6	1	"	"	"	"	"	X
108-88-3	Toluene	**5.7**		µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.7		µg/kg dry	5.7	4.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.7		µg/kg dry	5.7	3.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.7		µg/kg dry	5.7	2.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.7		µg/kg dry	5.7	4.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.7		µg/kg dry	5.7	2.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.7		µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 11.5		µg/kg dry	11.5	7.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.7		µg/kg dry	5.7	1.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 11.5		µg/kg dry	11.5	5.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5.7		µg/kg dry	5.7	1.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5.7		µg/kg dry	5.7	3.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 57.5		µg/kg dry	57.5	56.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 115		µg/kg dry	115	102	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 28.7		µg/kg dry	28.7	9.8	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2300		µg/kg dry	2300	376	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics													

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-15 (2.5') SB80661-10	7256	Soil	19-Nov-13 07:55	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics													
Prepared by method VPH - EPA 5035A Soil						Initial weight: 14.48 g							
	Gasoline Range Organics	< 5.3	D	mg/kg dry	5.3	0.1	50	Mod 8015	01-Dec-13	01-Dec-13	mp	1328928	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*105*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*93*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.74		mg/kg dry	1.74	0.501	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.74		mg/kg dry	1.74	0.759	1	"	"	"	"	"	X
7440-39-3	Barium	**22.9**		mg/kg dry	1.16	0.374	1	"	"	04-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.580		mg/kg dry	0.580	0.171	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**14.2**		mg/kg dry	1.16	0.251	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0332		mg/kg dry	0.0332	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**4.70**		mg/kg dry	1.74	0.642	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.74		mg/kg dry	1.74	0.499	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**84.0**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-17 (3.5') SB80661-11	7256	Soil	19-Nov-13 08:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.02 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 68.9	D	µg/kg dry	68.9	41.2	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 689	D	µg/kg dry	689	655	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 68.9	D	µg/kg dry	68.9	67.5	50	"	"	"	"	"	X
71-43-2	Benzene	**438**	D	µg/kg dry	68.9	23.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 68.9	D	µg/kg dry	68.9	19.2	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 68.9	D	µg/kg dry	68.9	60.0	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 68.9	D	µg/kg dry	68.9	50.8	50	"	"	"	"	"	X
75-25-2	Bromoform	< 68.9	D	µg/kg dry	68.9	37.5	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 138	D	µg/kg dry	138	122	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 689	D	µg/kg dry	689	211	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**2,030**	D	µg/kg dry	68.9	47.9	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**804**	D	µg/kg dry	68.9	30.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 68.9	D	µg/kg dry	68.9	17.7	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 138	D	µg/kg dry	138	98.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 68.9	D	µg/kg dry	68.9	50.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 68.9	D	µg/kg dry	68.9	37.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 138	D	µg/kg dry	138	45.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 68.9	D	µg/kg dry	68.9	50.9	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 138	D	µg/kg dry	138	70.3	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 68.9	D	µg/kg dry	68.9	21.3	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 68.9	D	µg/kg dry	68.9	31.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 138	D	µg/kg dry	138	133	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 68.9	D	µg/kg dry	68.9	50.3	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 68.9	D	µg/kg dry	68.9	52.2	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 68.9	D	µg/kg dry	68.9	46.7	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 68.9	D	µg/kg dry	68.9	23.1	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 68.9	D	µg/kg dry	68.9	30.5	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 68.9	D	µg/kg dry	68.9	26.1	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 138	D	µg/kg dry	138	34.1	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 68.9	D	µg/kg dry	68.9	67.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 68.9	D	µg/kg dry	68.9	45.2	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 68.9	D	µg/kg dry	68.9	36.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 68.9	D	µg/kg dry	68.9	30.0	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 68.9	D	µg/kg dry	68.9	58.5	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 68.9	D	µg/kg dry	68.9	36.5	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 68.9	D	µg/kg dry	68.9	50.5	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 68.9	D	µg/kg dry	68.9	27.9	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 68.9	D	µg/kg dry	68.9	26.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 68.9	D	µg/kg dry	68.9	24.7	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 68.9	D	µg/kg dry	68.9	41.5	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**13,400**	E, D	µg/kg dry	68.9	42.0	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-17 (3.5') SB80661-11	7256	Soil	19-Nov-13 08:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.02 g							
87-68-3	Hexachlorobutadiene	< 68.9	D	µg/kg dry	68.9	68.6	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 689	D	µg/kg dry	689	160	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**2,490**	D	µg/kg dry	68.9	15.1	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**443**	D	µg/kg dry	68.9	32.4	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 68.9	D	µg/kg dry	68.9	43.2	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 689	D	µg/kg dry	689	283	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 138	D	µg/kg dry	138	56.8	50	"	"	"	"	"	X
91-20-3	Naphthalene	**2,340**	D	µg/kg dry	68.9	30.7	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**9,240**	E, D	µg/kg dry	68.9	27.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 68.9	D	µg/kg dry	68.9	20.7	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 68.9	D	µg/kg dry	68.9	34.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 68.9	D	µg/kg dry	68.9	63.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 68.9	D	µg/kg dry	68.9	43.1	50	"	"	"	"	"	X
108-88-3	Toluene	**7,470**	E, D	µg/kg dry	68.9	47.0	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 68.9	D	µg/kg dry	68.9	48.9	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 68.9	D	µg/kg dry	68.9	53.3	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 68.9	D	µg/kg dry	68.9	48.9	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 68.9	D	µg/kg dry	68.9	53.1	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 68.9	D	µg/kg dry	68.9	49.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 68.9	D	µg/kg dry	68.9	42.8	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 68.9	D	µg/kg dry	68.9	29.2	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 68.9	D	µg/kg dry	68.9	57.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**39,100**	E, D	µg/kg dry	68.9	23.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**13,900**	E, D	µg/kg dry	68.9	27.0	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 68.9	D	µg/kg dry	68.9	41.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**42,000**	E, D	µg/kg dry	138	92.6	50	"	"	"	"	"	X
95-47-6	o-Xylene	**17,300**	E, D	µg/kg dry	68.9	17.3	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 138	D	µg/kg dry	138	68.0	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 68.9	D	µg/kg dry	68.9	49.9	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 68.9	D	µg/kg dry	68.9	17.2	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 68.9	D	µg/kg dry	68.9	27.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 68.9	D	µg/kg dry	68.9	36.1	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 689	D	µg/kg dry	689	678	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1380	D	µg/kg dry	1380	1220	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 345	D	µg/kg dry	345	118	50	"	"	"	"	"	X
64-17-5	Ethanol	< 27600	D	µg/kg dry	27600	4510	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*108*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*92*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-17 (3.5') SB80661-11	7256	Soil	19-Nov-13 08:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.02 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 689	D	µg/kg dry	689	412	500	SW846 8260C	25-Nov-13	26-Nov-13	GMA	1328664	X
67-64-1	Acetone	< 6890	D	µg/kg dry	6890	6550	500	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 689	D	µg/kg dry	689	675	500	"	"	"	"	"	X
71-43-2	Benzene	< 689	D	µg/kg dry	689	234	500	"	"	"	"	"	X
108-86-1	Bromobenzene	< 689	D	µg/kg dry	689	192	500	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 689	D	µg/kg dry	689	600	500	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 689	D	µg/kg dry	689	508	500	"	"	"	"	"	X
75-25-2	Bromoform	< 689	D	µg/kg dry	689	375	500	"	"	"	"	"	X
74-83-9	Bromomethane	< 1380	D	µg/kg dry	1380	1220	500	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 6890	D	µg/kg dry	6890	2110	500	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**3,060**	D	µg/kg dry	689	479	500	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**1,190**	D	µg/kg dry	689	306	500	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 689	D	µg/kg dry	689	177	500	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1380	D	µg/kg dry	1380	986	500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 689	D	µg/kg dry	689	506	500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 689	D	µg/kg dry	689	374	500	"	"	"	"	"	X
75-00-3	Chloroethane	< 1380	D	µg/kg dry	1380	452	500	"	"	"	"	"	X
67-66-3	Chloroform	< 689	D	µg/kg dry	689	509	500	"	"	"	"	"	X
74-87-3	Chloromethane	< 1380	D	µg/kg dry	1380	703	500	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 689	D	µg/kg dry	689	213	500	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 689	D	µg/kg dry	689	314	500	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1380	D	µg/kg dry	1380	1330	500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 689	D	µg/kg dry	689	503	500	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 689	D	µg/kg dry	689	522	500	"	"	"	"	"	X
74-95-3	Dibromomethane	< 689	D	µg/kg dry	689	467	500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 689	D	µg/kg dry	689	231	500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 689	D	µg/kg dry	689	305	500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 689	D	µg/kg dry	689	261	500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1380	D	µg/kg dry	1380	341	500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 689	D	µg/kg dry	689	674	500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 689	D	µg/kg dry	689	452	500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 689	D	µg/kg dry	689	367	500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 689	D	µg/kg dry	689	300	500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 689	D	µg/kg dry	689	585	500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 689	D	µg/kg dry	689	365	500	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 689	D	µg/kg dry	689	505	500	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 689	D	µg/kg dry	689	279	500	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 689	D	µg/kg dry	689	263	500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 689	D	µg/kg dry	689	247	500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 689	D	µg/kg dry	689	415	500	"	"	"	"	"	X
100-41-4	Ethylbenzene	**16,400**	D	µg/kg dry	689	420	500	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 689	D	µg/kg dry	689	686	500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-17 (3.5') SB80661-11	7256	Soil	19-Nov-13 08:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.02 g							
591-78-6	2-Hexanone (MBK)	< 6890	D	µg/kg dry	6890	1600	500	SW846 8260C	25-Nov-13	26-Nov-13	GMA	1328664	X
98-82-8	Isopropylbenzene	**3,030**	D	µg/kg dry	689	151	500	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**710**	D	µg/kg dry	689	324	500	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 689	D	µg/kg dry	689	432	500	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 6890	D	µg/kg dry	6890	2830	500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1380	D	µg/kg dry	1380	568	500	"	"	"	"	"	X
91-20-3	Naphthalene	**3,330**	D	µg/kg dry	689	307	500	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**11,300**	D	µg/kg dry	689	270	500	"	"	"	"	"	X
100-42-5	Styrene	< 689	D	µg/kg dry	689	207	500	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 689	D	µg/kg dry	689	343	500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 689	D	µg/kg dry	689	638	500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 689	D	µg/kg dry	689	431	500	"	"	"	"	"	X
108-88-3	Toluene	**9,000**	D	µg/kg dry	689	470	500	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 689	D	µg/kg dry	689	489	500	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 689	D	µg/kg dry	689	533	500	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 689	D	µg/kg dry	689	489	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 689	D	µg/kg dry	689	531	500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 689	D	µg/kg dry	689	494	500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 689	D	µg/kg dry	689	428	500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 689	D	µg/kg dry	689	292	500	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 689	D	µg/kg dry	689	574	500	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**55,300**	D	µg/kg dry	689	236	500	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**17,300**	D	µg/kg dry	689	270	500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 689	D	µg/kg dry	689	416	500	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**59,300**	D	µg/kg dry	1380	926	500	"	"	"	"	"	X
95-47-6	o-Xylene	**22,200**	D	µg/kg dry	689	173	500	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1380	D	µg/kg dry	1380	680	500	"	"	"	"	"	
60-29-7	Ethyl ether	< 689	D	µg/kg dry	689	499	500	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 689	D	µg/kg dry	689	172	500	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 689	D	µg/kg dry	689	276	500	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 689	D	µg/kg dry	689	361	500	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 6890	D	µg/kg dry	6890	6780	500	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 13800	D	µg/kg dry	13800	12200	500	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 3450	D	µg/kg dry	3450	1180	500	"	"	"	"	"	X
64-17-5	Ethanol	< 276000	D	µg/kg dry	276000	45100	500	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*109*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-17 (3.5') SB80661-11	7256	Soil	19-Nov-13 08:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 14.02 g							
	Gasoline Range Organics	**1,700**	D	mg/kg dry	103	2.2	1000	Mod 8015	02-Dec-13	02-Dec-13	mp	1328967	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*125*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*126*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.71		mg/kg dry	1.71	0.494	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.71		mg/kg dry	1.71	0.747	1	"	"	"	"	"	X
7440-39-3	Barium	**41.8**		mg/kg dry	1.14	0.368	1	"	"	04-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.571		mg/kg dry	0.571	0.168	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**17.3**		mg/kg dry	1.14	0.247	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0657**		mg/kg dry	0.0330	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**90.2**		mg/kg dry	1.71	0.632	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.71		mg/kg dry	1.71	0.491	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.0**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**	IgHT	N/A			1	SW846 1030	22-Nov-13 10:50	22-Nov-13 11:00	JRF	1328488	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-18 (3') SB80661-12	7256	Soil	19-Nov-13 08:45	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 7.01 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.2		µg/kg dry	4.2	2.5	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
67-64-1	Acetone	< 42.2		µg/kg dry	42.2	40.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.2		µg/kg dry	4.2	4.1	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.2		µg/kg dry	4.2	1.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.2		µg/kg dry	4.2	1.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.2		µg/kg dry	4.2	3.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.2		µg/kg dry	4.2	3.1	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.2		µg/kg dry	4.2	2.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 8.4		µg/kg dry	8.4	7.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 42.2		µg/kg dry	42.2	12.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.2		µg/kg dry	4.2	2.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.2		µg/kg dry	4.2	1.9	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.2		µg/kg dry	4.2	1.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 8.4		µg/kg dry	8.4	6.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.2		µg/kg dry	4.2	3.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.2		µg/kg dry	4.2	2.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 8.4		µg/kg dry	8.4	2.8	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.2		µg/kg dry	4.2	3.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 8.4		µg/kg dry	8.4	4.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.2		µg/kg dry	4.2	1.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.2		µg/kg dry	4.2	1.9	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 8.4		µg/kg dry	8.4	8.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.2		µg/kg dry	4.2	3.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.2		µg/kg dry	4.2	3.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.2		µg/kg dry	4.2	2.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.2		µg/kg dry	4.2	1.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.2		µg/kg dry	4.2	1.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.2		µg/kg dry	4.2	1.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 8.4		µg/kg dry	8.4	2.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.2		µg/kg dry	4.2	4.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.2		µg/kg dry	4.2	2.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.2		µg/kg dry	4.2	2.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.2		µg/kg dry	4.2	1.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.2		µg/kg dry	4.2	3.6	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.2		µg/kg dry	4.2	2.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.2		µg/kg dry	4.2	3.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.2		µg/kg dry	4.2	1.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.2		µg/kg dry	4.2	1.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.2		µg/kg dry	4.2	1.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.2		µg/kg dry	4.2	2.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.2		µg/kg dry	4.2	2.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-18 (3') SB80661-12	7256	Soil	19-Nov-13 08:45	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 7.01 g							
87-68-3	Hexachlorobutadiene	< 4.2		µg/kg dry	4.2	4.2	1	SW846 8260C	21-Nov-13	21-Nov-13	JEG	1328320	X
591-78-6	2-Hexanone (MBK)	< 42.2		µg/kg dry	42.2	9.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4.2		µg/kg dry	4.2	0.9	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.2		µg/kg dry	4.2	2.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.2		µg/kg dry	4.2	2.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 42.2		µg/kg dry	42.2	17.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 8.4		µg/kg dry	8.4	3.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.2		µg/kg dry	4.2	1.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.2		µg/kg dry	4.2	1.7	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.2		µg/kg dry	4.2	1.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.2		µg/kg dry	4.2	2.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.2		µg/kg dry	4.2	3.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.2		µg/kg dry	4.2	2.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.2		µg/kg dry	4.2	2.9	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.2		µg/kg dry	4.2	3.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.2		µg/kg dry	4.2	3.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.2		µg/kg dry	4.2	3.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.2		µg/kg dry	4.2	3.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.2		µg/kg dry	4.2	3.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.2		µg/kg dry	4.2	2.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.2		µg/kg dry	4.2	1.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.2		µg/kg dry	4.2	3.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.2		µg/kg dry	4.2	1.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.2		µg/kg dry	4.2	1.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.2		µg/kg dry	4.2	2.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 8.4		µg/kg dry	8.4	5.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.2		µg/kg dry	4.2	1.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 8.4		µg/kg dry	8.4	4.2	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.2		µg/kg dry	4.2	3.1	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 4.2		µg/kg dry	4.2	1.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.2		µg/kg dry	4.2	1.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.2		µg/kg dry	4.2	2.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 42.2		µg/kg dry	42.2	41.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 84.4		µg/kg dry	84.4	75.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 21.1		µg/kg dry	21.1	7.2	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1690		µg/kg dry	1690	276	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	

Total Metals by EPA 6000/7000 Series Methods

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-18 (3')	7256	Soil	19-Nov-13 08:45	20-Nov-13
SB80661-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.39		mg/kg dry	1.39	0.400	1	SW846 6010C	27-Nov-13	05-Dec-13	ARF	1328848	X
7440-38-2	Arsenic	**2.11**		mg/kg dry	1.39	0.606	1	"	"	03-Dec-13	"	"	X
7440-39-3	Barium	**29.4**		mg/kg dry	0.926	0.298	1	"	"	05-Dec-13	"	"	X
7440-43-9	Cadmium	**0.528**		mg/kg dry	0.463	0.136	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**9.42**		mg/kg dry	0.926	0.200	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0301		mg/kg dry	0.0301	0.0015	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**25.7**		mg/kg dry	1.39	0.512	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.39		mg/kg dry	1.39	0.398	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.9**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-19 (3') SB80661-13	7256	Soil	19-Nov-13 09:10	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			VOC8										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 12.65 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 97.3	D	µg/kg dry	97.3	58.2	50	SW846 8260C	27-Nov-13	27-Nov-13	GMA	1328839	X
67-64-1	Acetone	< 973	D	µg/kg dry	973	925	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 97.3	D	µg/kg dry	97.3	95.2	50	"	"	"	"	"	X
71-43-2	Benzene	< 97.3	D	µg/kg dry	97.3	33.1	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 97.3	D	µg/kg dry	97.3	27.1	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 97.3	D	µg/kg dry	97.3	84.7	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 97.3	D	µg/kg dry	97.3	71.7	50	"	"	"	"	"	X
75-25-2	Bromoform	< 97.3	D	µg/kg dry	97.3	52.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 195	D	µg/kg dry	195	173	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 973	D	µg/kg dry	973	298	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 97.3	D	µg/kg dry	97.3	67.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 97.3	D	µg/kg dry	97.3	43.2	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 97.3	D	µg/kg dry	97.3	25.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 195	D	µg/kg dry	195	139	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 97.3	D	µg/kg dry	97.3	71.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 97.3	D	µg/kg dry	97.3	52.7	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 195	D	µg/kg dry	195	63.8	50	"	"	"	"	"	X
67-66-3	Chloroform	< 97.3	D	µg/kg dry	97.3	71.9	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 195	D	µg/kg dry	195	99.2	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 97.3	D	µg/kg dry	97.3	30.1	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 97.3	D	µg/kg dry	97.3	44.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 195	D	µg/kg dry	195	187	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 97.3	D	µg/kg dry	97.3	71.0	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 97.3	D	µg/kg dry	97.3	73.7	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 97.3	D	µg/kg dry	97.3	66.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 97.3	D	µg/kg dry	97.3	32.6	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 97.3	D	µg/kg dry	97.3	43.1	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 97.3	D	µg/kg dry	97.3	36.9	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 195	D	µg/kg dry	195	48.1	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 97.3	D	µg/kg dry	97.3	95.1	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 97.3	D	µg/kg dry	97.3	63.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 97.3	D	µg/kg dry	97.3	51.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 97.3	D	µg/kg dry	97.3	42.3	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 97.3	D	µg/kg dry	97.3	82.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 97.3	D	µg/kg dry	97.3	51.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 97.3	D	µg/kg dry	97.3	71.2	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 97.3	D	µg/kg dry	97.3	39.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 97.3	D	µg/kg dry	97.3	37.2	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 97.3	D	µg/kg dry	97.3	34.9	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 97.3	D	µg/kg dry	97.3	58.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 97.3	D	µg/kg dry	97.3	59.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-19 (3') SB80661-13	7256	Soil	19-Nov-13 09:10	20-Nov-13

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260 — VOC8

Prepared by method SW846 5035A Soil (high level) — Initial weight: 12.65 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
87-68-3	Hexachlorobutadiene	< 97.3	D	µg/kg dry	97.3	96.8	50	SW846 8260C	27-Nov-13	27-Nov-13	GMA	1328839	X
591-78-6	2-Hexanone (MBK)	< 973	D	µg/kg dry	973	226	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 97.3	D	µg/kg dry	97.3	21.3	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 97.3	D	µg/kg dry	97.3	45.7	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 97.3	D	µg/kg dry	97.3	61.0	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 973	D	µg/kg dry	973	400	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 195	D	µg/kg dry	195	80.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 97.3	D	µg/kg dry	97.3	43.4	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 97.3	D	µg/kg dry	97.3	38.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 97.3	D	µg/kg dry	97.3	29.2	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 97.3	D	µg/kg dry	97.3	48.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 97.3	D	µg/kg dry	97.3	90.1	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 97.3	D	µg/kg dry	97.3	60.9	50	"	"	"	"	"	X
108-88-3	Toluene	< 97.3	D	µg/kg dry	97.3	66.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 97.3	D	µg/kg dry	97.3	69.0	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 97.3	D	µg/kg dry	97.3	75.2	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 97.3	D	µg/kg dry	97.3	69.0	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 97.3	D	µg/kg dry	97.3	74.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 97.3	D	µg/kg dry	97.3	69.8	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 97.3	D	µg/kg dry	97.3	60.4	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 97.3	D	µg/kg dry	97.3	41.2	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 97.3	D	µg/kg dry	97.3	81.0	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	117	D	µg/kg dry	97.3	33.3	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 97.3	D	µg/kg dry	97.3	38.0	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 97.3	D	µg/kg dry	97.3	58.7	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 195	D	µg/kg dry	195	131	50	"	"	"	"	"	X
95-47-6	o-Xylene	123	D	µg/kg dry	97.3	24.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 195	D	µg/kg dry	195	96.0	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 97.3	D	µg/kg dry	97.3	70.4	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 97.3	D	µg/kg dry	97.3	24.3	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 97.3	D	µg/kg dry	97.3	38.9	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 97.3	D	µg/kg dry	97.3	51.0	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 973	D	µg/kg dry	973	957	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1950	D	µg/kg dry	1950	1730	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 486	D	µg/kg dry	486	166	50	"	"	"	"	"	X
64-17-5	Ethanol	< 38900	D	µg/kg dry	38900	6360	50	"	"	"	"	"	

Surrogate recoveries:

460-00-4	*4-Bromofluorobenzene*	*108*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	

Gasoline Range Organics

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-19 (3')	7256	Soil	19-Nov-13 09:10	20-Nov-13
SB80661-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Gasoline Range Organics													
Prepared by method VPH - EPA 5035A Soil						Initial weight: 12.65 g							
	Gasoline Range Organics	**7.5**	D	mg/kg dry	7.3	0.2	50	Mod 8015	02-Dec-13	02-Dec-13	mp	1328967	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*129*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*116*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.94		mg/kg dry	1.94	0.558	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.94		mg/kg dry	1.94	0.844	1	"	"	"	"	"	X
7440-39-3	Barium	**53.0**		mg/kg dry	1.29	0.416	1	"	"	05-Dec-13	"	"	X
7440-43-9	Cadmium	**0.658**		mg/kg dry	0.645	0.190	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**17.8**		mg/kg dry	1.29	0.279	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0630**		mg/kg dry	0.0364	0.0019	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**127**		mg/kg dry	1.94	0.714	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.94		mg/kg dry	1.94	0.555	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**74.2**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-21 (3.5') SB80661-14	7256	Soil	19-Nov-13 09:50	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.38 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 55.9	D	µg/kg dry	55.9	33.4	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 559	D	µg/kg dry	559	531	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 55.9	D	µg/kg dry	55.9	54.7	50	"	"	"	"	"	X
71-43-2	Benzene	< 55.9	D	µg/kg dry	55.9	19.0	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 55.9	D	µg/kg dry	55.9	15.6	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 55.9	D	µg/kg dry	55.9	48.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 55.9	D	µg/kg dry	55.9	41.2	50	"	"	"	"	"	X
75-25-2	Bromoform	< 55.9	D	µg/kg dry	55.9	30.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 112	D	µg/kg dry	112	99.1	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 559	D	µg/kg dry	559	171	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**594**	D	µg/kg dry	55.9	38.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**452**	D	µg/kg dry	55.9	24.8	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 55.9	D	µg/kg dry	55.9	14.4	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 112	D	µg/kg dry	112	79.9	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 55.9	D	µg/kg dry	55.9	41.0	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 55.9	D	µg/kg dry	55.9	30.3	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 112	D	µg/kg dry	112	36.6	50	"	"	"	"	"	X
67-66-3	Chloroform	< 55.9	D	µg/kg dry	55.9	41.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 112	D	µg/kg dry	112	57.0	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 55.9	D	µg/kg dry	55.9	17.3	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 55.9	D	µg/kg dry	55.9	25.5	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 112	D	µg/kg dry	112	108	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 55.9	D	µg/kg dry	55.9	40.8	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 55.9	D	µg/kg dry	55.9	42.3	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 55.9	D	µg/kg dry	55.9	37.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 55.9	D	µg/kg dry	55.9	18.7	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 55.9	D	µg/kg dry	55.9	24.7	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 55.9	D	µg/kg dry	55.9	21.2	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 112	D	µg/kg dry	112	27.6	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 55.9	D	µg/kg dry	55.9	54.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 55.9	D	µg/kg dry	55.9	36.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 55.9	D	µg/kg dry	55.9	29.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 55.9	D	µg/kg dry	55.9	24.3	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 55.9	D	µg/kg dry	55.9	47.4	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 55.9	D	µg/kg dry	55.9	29.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 55.9	D	µg/kg dry	55.9	40.9	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 55.9	D	µg/kg dry	55.9	22.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 55.9	D	µg/kg dry	55.9	21.3	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 55.9	D	µg/kg dry	55.9	20.1	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 55.9	D	µg/kg dry	55.9	33.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**967**	D	µg/kg dry	55.9	34.0	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-21 (3.5') SB80661-14	7256	Soil	19-Nov-13 09:50	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.38 g							
87-68-3	Hexachlorobutadiene	< 55.9	D	µg/kg dry	55.9	55.6	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 559	D	µg/kg dry	559	130	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**300**	D	µg/kg dry	55.9	12.2	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**756**	D	µg/kg dry	55.9	26.3	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 55.9	D	µg/kg dry	55.9	35.0	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 559	D	µg/kg dry	559	230	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 112	D	µg/kg dry	112	46.0	50	"	"	"	"	"	X
91-20-3	Naphthalene	**362**	D	µg/kg dry	55.9	24.9	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**684**	D	µg/kg dry	55.9	21.8	50	"	"	"	"	"	X
100-42-5	Styrene	**505**	D	µg/kg dry	55.9	16.8	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 55.9	D	µg/kg dry	55.9	27.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 55.9	D	µg/kg dry	55.9	51.7	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 55.9	D	µg/kg dry	55.9	35.0	50	"	"	"	"	"	X
108-88-3	Toluene	**132**	D	µg/kg dry	55.9	38.1	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 55.9	D	µg/kg dry	55.9	39.6	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 55.9	D	µg/kg dry	55.9	43.2	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 55.9	D	µg/kg dry	55.9	39.6	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 55.9	D	µg/kg dry	55.9	43.0	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 55.9	D	µg/kg dry	55.9	40.0	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 55.9	D	µg/kg dry	55.9	34.7	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 55.9	D	µg/kg dry	55.9	23.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 55.9	D	µg/kg dry	55.9	46.5	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**4,720**	D	µg/kg dry	55.9	19.1	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**2,840**	D	µg/kg dry	55.9	21.8	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 55.9	D	µg/kg dry	55.9	33.7	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**1,580**	D	µg/kg dry	112	75.1	50	"	"	"	"	"	X
95-47-6	o-Xylene	**669**	D	µg/kg dry	55.9	14.0	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 112	D	µg/kg dry	112	55.1	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 55.9	D	µg/kg dry	55.9	40.4	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 55.9	D	µg/kg dry	55.9	14.0	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 55.9	D	µg/kg dry	55.9	22.3	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 55.9	D	µg/kg dry	55.9	29.3	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 559	D	µg/kg dry	559	549	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1120	D	µg/kg dry	1120	992	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 279	D	µg/kg dry	279	95.4	50	"	"	"	"	"	X
64-17-5	Ethanol	< 22300	D	µg/kg dry	22300	3650	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*111*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-21 (3.5') SB80661-14	7256	Soil	19-Nov-13 09:50	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 14.38 g							
	Gasoline Range Organics	**363**	D	mg/kg dry	41.9	0.9	500	Mod 8015	02-Dec-13	02-Dec-13	mp	1328967	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*107*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*93*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.47		mg/kg dry	1.47	0.423	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	**9.36**		mg/kg dry	1.47	0.641	1	"	"	"	"	"	X
7440-39-3	Barium	**34.6**		mg/kg dry	0.979	0.315	1	"	"	05-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.490		mg/kg dry	0.490	0.144	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**12.3**		mg/kg dry	0.979	0.212	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0290		mg/kg dry	0.0290	0.0015	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**8.62**		mg/kg dry	1.47	0.542	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.47		mg/kg dry	1.47	0.421	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**96.5**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	
Toxicity Characteristics													
	Ignitability by Definition	**Negative**	IgHT	N/A			1	SW846 1030	22-Nov-13 10:00	22-Nov-13 11:00	JRF	1328488	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-24 (3.5') SB80661-15	7256	Soil	19-Nov-13 11:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 16.06 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 57.8	D	µg/kg dry	57.8	34.6	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 578	D	µg/kg dry	578	550	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 57.8	D	µg/kg dry	57.8	56.6	50	"	"	"	"	"	X
71-43-2	Benzene	< 57.8	D	µg/kg dry	57.8	19.7	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 57.8	D	µg/kg dry	57.8	16.1	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 57.8	D	µg/kg dry	57.8	50.4	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 57.8	D	µg/kg dry	57.8	42.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 57.8	D	µg/kg dry	57.8	31.5	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 116	D	µg/kg dry	116	103	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 578	D	µg/kg dry	578	177	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**72.9**	D	µg/kg dry	57.8	40.2	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 57.8	D	µg/kg dry	57.8	25.7	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 57.8	D	µg/kg dry	57.8	14.9	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 116	D	µg/kg dry	116	82.7	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 57.8	D	µg/kg dry	57.8	42.5	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 57.8	D	µg/kg dry	57.8	31.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 116	D	µg/kg dry	116	37.9	50	"	"	"	"	"	X
67-66-3	Chloroform	< 57.8	D	µg/kg dry	57.8	42.7	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 116	D	µg/kg dry	116	59.0	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 57.8	D	µg/kg dry	57.8	17.9	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 57.8	D	µg/kg dry	57.8	26.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 116	D	µg/kg dry	116	111	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 57.8	D	µg/kg dry	57.8	42.2	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 57.8	D	µg/kg dry	57.8	43.8	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 57.8	D	µg/kg dry	57.8	39.2	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 57.8	D	µg/kg dry	57.8	19.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 57.8	D	µg/kg dry	57.8	25.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 57.8	D	µg/kg dry	57.8	21.9	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 116	D	µg/kg dry	116	28.6	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 57.8	D	µg/kg dry	57.8	56.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 57.8	D	µg/kg dry	57.8	37.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 57.8	D	µg/kg dry	57.8	30.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 57.8	D	µg/kg dry	57.8	25.2	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 57.8	D	µg/kg dry	57.8	49.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 57.8	D	µg/kg dry	57.8	30.7	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 57.8	D	µg/kg dry	57.8	42.3	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 57.8	D	µg/kg dry	57.8	23.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 57.8	D	µg/kg dry	57.8	22.1	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 57.8	D	µg/kg dry	57.8	20.8	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 57.8	D	µg/kg dry	57.8	34.8	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 57.8	D	µg/kg dry	57.8	35.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-24 (3.5') SB80661-15	7256	Soil	19-Nov-13 11:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 16.06 g							
87-68-3	Hexachlorobutadiene	< 57.8	D	µg/kg dry	57.8	57.6	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 578	D	µg/kg dry	578	135	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 57.8	D	µg/kg dry	57.8	12.7	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 57.8	D	µg/kg dry	57.8	27.2	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 57.8	D	µg/kg dry	57.8	36.3	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 578	D	µg/kg dry	578	238	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 116	D	µg/kg dry	116	47.7	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 57.8	D	µg/kg dry	57.8	25.8	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 57.8	D	µg/kg dry	57.8	22.6	50	"	"	"	"	"	X
100-42-5	Styrene	< 57.8	D	µg/kg dry	57.8	17.4	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 57.8	D	µg/kg dry	57.8	28.7	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 57.8	D	µg/kg dry	57.8	53.6	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 57.8	D	µg/kg dry	57.8	36.2	50	"	"	"	"	"	X
108-88-3	Toluene	< 57.8	D	µg/kg dry	57.8	39.5	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 57.8	D	µg/kg dry	57.8	41.0	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 57.8	D	µg/kg dry	57.8	44.7	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 57.8	D	µg/kg dry	57.8	41.0	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 57.8	D	µg/kg dry	57.8	44.5	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 57.8	D	µg/kg dry	57.8	41.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 57.8	D	µg/kg dry	57.8	35.9	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 57.8	D	µg/kg dry	57.8	24.5	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 57.8	D	µg/kg dry	57.8	48.2	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**93.1**	D	µg/kg dry	57.8	19.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 57.8	D	µg/kg dry	57.8	22.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 57.8	D	µg/kg dry	57.8	34.9	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**150**	D	µg/kg dry	116	77.7	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 57.8	D	µg/kg dry	57.8	14.5	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 116	D	µg/kg dry	116	57.1	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 57.8	D	µg/kg dry	57.8	41.9	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 57.8	D	µg/kg dry	57.8	14.5	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 57.8	D	µg/kg dry	57.8	23.1	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 57.8	D	µg/kg dry	57.8	30.3	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 578	D	µg/kg dry	578	569	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1160	D	µg/kg dry	1160	1030	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 289	D	µg/kg dry	289	98.8	50	"	"	"	"	"	X
64-17-5	Ethanol	< 23100	D	µg/kg dry	23100	3780	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*111*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-24 (3.5') SB80661-15	7256	Soil	19-Nov-13 11:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 16.06 g							
	Gasoline Range Organics	**126**	D	mg/kg dry	8.7	0.2	100	Mod 8015	01-Dec-13	01-Dec-13	mp	1328928	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*97*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*90*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.42		mg/kg dry	1.42	0.409	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	**2.71**		mg/kg dry	1.42	0.619	1	"	"	"	"	"	X
7440-39-3	Barium	**34.4**		mg/kg dry	0.947	0.305	1	"	"	05-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.474		mg/kg dry	0.474	0.139	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**15.5**		mg/kg dry	0.947	0.205	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0339**		mg/kg dry	0.0332	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**18.3**		mg/kg dry	1.42	0.524	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.42		mg/kg dry	1.42	0.407	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.7**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-23 (4') SB80661-16	7256	Soil	19-Nov-13 10:40	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 20.33 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 44.0	D	µg/kg dry	44.0	26.3	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 440	D	µg/kg dry	440	418	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 44.0	D	µg/kg dry	44.0	43.1	50	"	"	"	"	"	X
71-43-2	Benzene	< 44.0	D	µg/kg dry	44.0	15.0	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 44.0	D	µg/kg dry	44.0	12.3	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 44.0	D	µg/kg dry	44.0	38.3	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 44.0	D	µg/kg dry	44.0	32.4	50	"	"	"	"	"	X
75-25-2	Bromoform	< 44.0	D	µg/kg dry	44.0	23.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 88.0	D	µg/kg dry	88.0	78.0	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 440	D	µg/kg dry	440	135	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 44.0	D	µg/kg dry	44.0	30.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 44.0	D	µg/kg dry	44.0	19.5	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 44.0	D	µg/kg dry	44.0	11.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 88.0	D	µg/kg dry	88.0	62.9	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 44.0	D	µg/kg dry	44.0	32.3	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 44.0	D	µg/kg dry	44.0	23.8	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 88.0	D	µg/kg dry	88.0	28.9	50	"	"	"	"	"	X
67-66-3	Chloroform	< 44.0	D	µg/kg dry	44.0	32.5	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 88.0	D	µg/kg dry	88.0	44.9	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 44.0	D	µg/kg dry	44.0	13.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 44.0	D	µg/kg dry	44.0	20.1	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 88.0	D	µg/kg dry	88.0	84.7	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 44.0	D	µg/kg dry	44.0	32.1	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 44.0	D	µg/kg dry	44.0	33.3	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 44.0	D	µg/kg dry	44.0	29.8	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 44.0	D	µg/kg dry	44.0	14.7	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 44.0	D	µg/kg dry	44.0	19.5	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 44.0	D	µg/kg dry	44.0	16.7	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 88.0	D	µg/kg dry	88.0	21.7	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 44.0	D	µg/kg dry	44.0	43.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 44.0	D	µg/kg dry	44.0	28.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 44.0	D	µg/kg dry	44.0	23.4	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 44.0	D	µg/kg dry	44.0	19.1	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 44.0	D	µg/kg dry	44.0	37.3	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 44.0	D	µg/kg dry	44.0	23.3	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 44.0	D	µg/kg dry	44.0	32.2	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 44.0	D	µg/kg dry	44.0	17.8	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 44.0	D	µg/kg dry	44.0	16.8	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 44.0	D	µg/kg dry	44.0	15.8	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 44.0	D	µg/kg dry	44.0	26.5	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 44.0	D	µg/kg dry	44.0	26.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-23 (4')	7256	Soil	19-Nov-13 10:40	20-Nov-13
SB80661-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 20.33 g						
87-68-3	Hexachlorobutadiene	< 44.0	D	µg/kg dry	44.0	43.8	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 440	D	µg/kg dry	440	102	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 44.0	D	µg/kg dry	44.0	9.6	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 44.0	D	µg/kg dry	44.0	20.7	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 44.0	D	µg/kg dry	44.0	27.6	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 440	D	µg/kg dry	440	181	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 88.0	D	µg/kg dry	88.0	36.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 44.0	D	µg/kg dry	44.0	19.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 44.0	D	µg/kg dry	44.0	17.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 44.0	D	µg/kg dry	44.0	13.2	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 44.0	D	µg/kg dry	44.0	21.9	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 44.0	D	µg/kg dry	44.0	40.7	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 44.0	D	µg/kg dry	44.0	27.5	50	"	"	"	"	"	X
108-88-3	Toluene	< 44.0	D	µg/kg dry	44.0	30.0	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 44.0	D	µg/kg dry	44.0	31.2	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 44.0	D	µg/kg dry	44.0	34.0	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 44.0	D	µg/kg dry	44.0	31.2	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 44.0	D	µg/kg dry	44.0	33.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 44.0	D	µg/kg dry	44.0	31.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 44.0	D	µg/kg dry	44.0	27.3	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 44.0	D	µg/kg dry	44.0	18.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 44.0	D	µg/kg dry	44.0	36.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**99.4**	D	µg/kg dry	44.0	15.0	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 44.0	D	µg/kg dry	44.0	17.2	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 44.0	D	µg/kg dry	44.0	26.5	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**121**	D	µg/kg dry	88.0	59.1	50	"	"	"	"	"	X
95-47-6	o-Xylene	**57.2**	D	µg/kg dry	44.0	11.0	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 88.0	D	µg/kg dry	88.0	43.4	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 44.0	D	µg/kg dry	44.0	31.8	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 44.0	D	µg/kg dry	44.0	11.0	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 44.0	D	µg/kg dry	44.0	17.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 44.0	D	µg/kg dry	44.0	23.0	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 440	D	µg/kg dry	440	432	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 880	D	µg/kg dry	880	781	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 220	D	µg/kg dry	220	75.1	50	"	"	"	"	"	X
64-17-5	Ethanol	< 17600	D	µg/kg dry	17600	2880	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*111*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			VC10										

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-23 (4') SB80661-16	7256	Soil	19-Nov-13 10:40	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			VC10										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 20.33 g							
	Gasoline Range Organics	5.9	D	mg/kg dry	3.3	0.07	50	Mod 8015	01-Dec-13	01-Dec-13	mp	1328928	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*103*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*98*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 180		µg/kg dry	180	45.8	1	SW846 8270D	22-Nov-13	26-Nov-13	MSL	1328443	X
208-96-8	Acenaphthylene	< 180		µg/kg dry	180	50.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 180		µg/kg dry	180	46.0	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 180		µg/kg dry	180	48.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 180		µg/kg dry	180	49.1	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 180		µg/kg dry	180	39.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 180		µg/kg dry	180	50.2	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 180		µg/kg dry	180	63.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 180		µg/kg dry	180	50.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 180		µg/kg dry	180	46.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 180		µg/kg dry	180	50.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 180		µg/kg dry	180	50.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 180		µg/kg dry	180	50.0	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 180		µg/kg dry	180	53.2	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 180		µg/kg dry	180	51.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 180		µg/kg dry	180	50.3	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 180		µg/kg dry	180	48.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 180		µg/kg dry	180	43.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*89*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3550C													
68476-30-2	Fuel Oil #2	< 28.7		mg/kg dry	28.7	16.7	1	8015DM	22-Nov-13	25-Nov-13	SEP	1328441	
68476-31-3	Fuel Oil #4	< 28.7		mg/kg dry	28.7	2.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 28.7		mg/kg dry	28.7	17.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 28.7		mg/kg dry	28.7	15.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 28.7		mg/kg dry	28.7	7.2	1	"	"	"	"	"	
	Unidentified	32.0		mg/kg dry	28.7	7.2	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.7	2.9	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	32.0		mg/kg dry	28.7	16.7	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*83*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.38		mg/kg dry	1.38	0.397	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-23 (4')	7256	Soil	19-Nov-13 10:40	20-Nov-13
SB80661-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	**8.64**		mg/kg dry	1.38	0.602	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-39-3	Barium	**47.2**		mg/kg dry	0.920	0.296	1	"	"	05-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.460		mg/kg dry	0.460	0.135	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**20.9**		mg/kg dry	0.920	0.199	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0290		mg/kg dry	0.0290	0.0015	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**8.60**		mg/kg dry	1.38	0.509	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.38		mg/kg dry	1.38	0.396	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.5**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-26 (2.5') SB80661-17	7256	Soil	19-Nov-13 12:05	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 17 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 219	D	µg/kg dry	219	131	200	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 2190	D	µg/kg dry	2190	2080	200	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 219	D	µg/kg dry	219	214	200	"	"	"	"	"	X
71-43-2	Benzene	< 219	D	µg/kg dry	219	74.4	200	"	"	"	"	"	X
108-86-1	Bromobenzene	< 219	D	µg/kg dry	219	61.1	200	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 219	D	µg/kg dry	219	191	200	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 219	D	µg/kg dry	219	161	200	"	"	"	"	"	X
75-25-2	Bromoform	< 219	D	µg/kg dry	219	119	200	"	"	"	"	"	X
74-83-9	Bromomethane	< 438	D	µg/kg dry	438	388	200	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2190	D	µg/kg dry	2190	671	200	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**746**	D	µg/kg dry	219	152	200	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 219	D	µg/kg dry	219	97.2	200	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 219	D	µg/kg dry	219	56.3	200	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 438	D	µg/kg dry	438	313	200	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 219	D	µg/kg dry	219	161	200	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 219	D	µg/kg dry	219	119	200	"	"	"	"	"	X
75-00-3	Chloroethane	< 438	D	µg/kg dry	438	144	200	"	"	"	"	"	X
67-66-3	Chloroform	< 219	D	µg/kg dry	219	162	200	"	"	"	"	"	X
74-87-3	Chloromethane	< 438	D	µg/kg dry	438	223	200	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 219	D	µg/kg dry	219	67.6	200	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 219	D	µg/kg dry	219	99.8	200	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 438	D	µg/kg dry	438	421	200	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 219	D	µg/kg dry	219	160	200	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 219	D	µg/kg dry	219	166	200	"	"	"	"	"	X
74-95-3	Dibromomethane	< 219	D	µg/kg dry	219	148	200	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 219	D	µg/kg dry	219	73.3	200	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 219	D	µg/kg dry	219	97.0	200	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 219	D	µg/kg dry	219	83.0	200	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 438	D	µg/kg dry	438	108	200	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 219	D	µg/kg dry	219	214	200	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 219	D	µg/kg dry	219	144	200	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 219	D	µg/kg dry	219	116	200	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 219	D	µg/kg dry	219	95.2	200	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 219	D	µg/kg dry	219	186	200	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 219	D	µg/kg dry	219	116	200	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 219	D	µg/kg dry	219	160	200	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 219	D	µg/kg dry	219	88.7	200	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 219	D	µg/kg dry	219	83.6	200	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 219	D	µg/kg dry	219	78.6	200	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 219	D	µg/kg dry	219	132	200	"	"	"	"	"	X
100-41-4	Ethylbenzene	**5,070**	D	µg/kg dry	219	133	200	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-26 (2.5') SB80661-17	7256	Soil	19-Nov-13 12:05	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 17 g							
87-68-3	Hexachlorobutadiene	< 219	D	µg/kg dry	219	218	200	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 2190	D	µg/kg dry	2190	509	200	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**530**	D	µg/kg dry	219	47.9	200	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 219	D	µg/kg dry	219	103	200	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 219	D	µg/kg dry	219	137	200	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2190	D	µg/kg dry	2190	900	200	"	"	"	"	"	X
75-09-2	Methylene chloride	< 438	D	µg/kg dry	438	180	200	"	"	"	"	"	X
91-20-3	Naphthalene	**2,900**	D	µg/kg dry	219	97.6	200	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**2,150**	D	µg/kg dry	219	85.6	200	"	"	"	"	"	X
100-42-5	Styrene	< 219	D	µg/kg dry	219	65.7	200	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 219	D	µg/kg dry	219	109	200	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 219	D	µg/kg dry	219	203	200	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 219	D	µg/kg dry	219	137	200	"	"	"	"	"	X
108-88-3	Toluene	**6,040**	D	µg/kg dry	219	149	200	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 219	D	µg/kg dry	219	155	200	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 219	D	µg/kg dry	219	169	200	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 219	D	µg/kg dry	219	155	200	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 219	D	µg/kg dry	219	169	200	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 219	D	µg/kg dry	219	157	200	"	"	"	"	"	X
79-01-6	Trichloroethene	< 219	D	µg/kg dry	219	136	200	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 219	D	µg/kg dry	219	92.6	200	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 219	D	µg/kg dry	219	182	200	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**14,500**	D	µg/kg dry	219	74.9	200	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**4,220**	D	µg/kg dry	219	85.6	200	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 219	D	µg/kg dry	219	132	200	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**19,300**	D	µg/kg dry	438	294	200	"	"	"	"	"	X
95-47-6	o-Xylene	**9,210**	D	µg/kg dry	219	54.9	200	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 438	D	µg/kg dry	438	216	200	"	"	"	"	"	
60-29-7	Ethyl ether	< 219	D	µg/kg dry	219	158	200	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 219	D	µg/kg dry	219	54.7	200	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 219	D	µg/kg dry	219	87.6	200	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 219	D	µg/kg dry	219	115	200	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 2190	D	µg/kg dry	2190	2150	200	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 4380	D	µg/kg dry	4380	3890	200	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 1090	D	µg/kg dry	1090	374	200	"	"	"	"	"	X
64-17-5	Ethanol	< 87600	D	µg/kg dry	87600	14300	200	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*112*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-26 (2.5') SB80661-17	7256	Soil	19-Nov-13 12:05	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil						Initial weight: 17 g							
	Gasoline Range Organics	**127**	D	mg/kg dry	16.4	0.4	200	Mod 8015	01-Dec-13	01-Dec-13	mp	1328928	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*102*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*94*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 185		µg/kg dry	185	47.1	1	SW846 8270D	22-Nov-13	26-Nov-13	MSL	1328443	X
208-96-8	Acenaphthylene	< 185		µg/kg dry	185	51.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 185		µg/kg dry	185	47.2	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 185		µg/kg dry	185	49.6	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 185		µg/kg dry	185	50.5	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 185		µg/kg dry	185	40.3	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 185		µg/kg dry	185	51.6	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 185		µg/kg dry	185	65.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 185		µg/kg dry	185	52.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 185		µg/kg dry	185	47.9	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 185		µg/kg dry	185	51.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 185		µg/kg dry	185	51.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 185		µg/kg dry	185	51.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**273**		µg/kg dry	185	54.7	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	**786**		µg/kg dry	185	52.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	**1,400**		µg/kg dry	185	51.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 185		µg/kg dry	185	49.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 185		µg/kg dry	185	44.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*79*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3550C													
68476-30-2	Fuel Oil #2	< 29.4		mg/kg dry	29.4	17.1	1	8015DM	22-Nov-13	25-Nov-13	SEP	1328441	
68476-31-3	Fuel Oil #4	< 29.4		mg/kg dry	29.4	2.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 29.4		mg/kg dry	29.4	17.6	1	"	"	"	"	"	
M09800000	Motor Oil	**Calculated as**		mg/kg dry	29.4	16.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 29.4		mg/kg dry	29.4	7.4	1	"	"	"	"	"	
	Unidentified	**414**		mg/kg dry	29.4	7.4	1	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/kg dry	29.4	2.9	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	**414**		mg/kg dry	29.4	17.1	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*82*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-26 (2.5') SB80661-17	7256	Soil	19-Nov-13 12:05	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.55		mg/kg dry	1.55	0.445	1	SW846 6010C	27-Nov-13	03-Dec-13	TBC	1328848	X
7440-38-2	Arsenic	< 1.55		mg/kg dry	1.55	0.674	1	"	"	"	"	"	X
7440-39-3	Barium	**37.3**		mg/kg dry	1.03	0.332	1	"	"	05-Dec-13	"	"	X
7440-43-9	Cadmium	< 0.515		mg/kg dry	0.515	0.152	1	"	"	03-Dec-13	"	"	X
7440-47-3	Chromium	**13.5**		mg/kg dry	1.03	0.223	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0396**		mg/kg dry	0.0327	0.0017	1	SW846 7471B	"	04-Dec-13	LR	1328849	X
7439-92-1	Lead	**49.9**		mg/kg dry	1.55	0.570	1	SW846 6010C	"	03-Dec-13	TBC	1328848	X
7782-49-2	Selenium	< 1.55		mg/kg dry	1.55	0.443	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**89.9**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-29 (2')	7256	Soil	19-Nov-13 13:15	20-Nov-13
SB80661-18				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.57 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 327	D	µg/kg dry	327	195	250	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 3270	D	µg/kg dry	3270	3110	250	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 327	D	µg/kg dry	327	320	250	"	"	"	"	"	X
71-43-2	Benzene	< 327	D	µg/kg dry	327	111	250	"	"	"	"	"	X
108-86-1	Bromobenzene	< 327	D	µg/kg dry	327	91.2	250	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 327	D	µg/kg dry	327	285	250	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 327	D	µg/kg dry	327	241	250	"	"	"	"	"	X
75-25-2	Bromoform	< 327	D	µg/kg dry	327	178	250	"	"	"	"	"	X
74-83-9	Bromomethane	< 654	D	µg/kg dry	654	580	250	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 3270	D	µg/kg dry	3270	1000	250	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**739**	D	µg/kg dry	327	227	250	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 327	D	µg/kg dry	327	145	250	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 327	D	µg/kg dry	327	84.0	250	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 654	D	µg/kg dry	654	467	250	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 327	D	µg/kg dry	327	240	250	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 327	D	µg/kg dry	327	177	250	"	"	"	"	"	X
75-00-3	Chloroethane	< 654	D	µg/kg dry	654	214	250	"	"	"	"	"	X
67-66-3	Chloroform	< 327	D	µg/kg dry	327	242	250	"	"	"	"	"	X
74-87-3	Chloromethane	< 654	D	µg/kg dry	654	333	250	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 327	D	µg/kg dry	327	101	250	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 327	D	µg/kg dry	327	149	250	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 654	D	µg/kg dry	654	629	250	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 327	D	µg/kg dry	327	239	250	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 327	D	µg/kg dry	327	248	250	"	"	"	"	"	X
74-95-3	Dibromomethane	< 327	D	µg/kg dry	327	222	250	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 327	D	µg/kg dry	327	110	250	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 327	D	µg/kg dry	327	145	250	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 327	D	µg/kg dry	327	124	250	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 654	D	µg/kg dry	654	161	250	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 327	D	µg/kg dry	327	320	250	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 327	D	µg/kg dry	327	214	250	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 327	D	µg/kg dry	327	174	250	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 327	D	µg/kg dry	327	142	250	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 327	D	µg/kg dry	327	278	250	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 327	D	µg/kg dry	327	173	250	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 327	D	µg/kg dry	327	239	250	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 327	D	µg/kg dry	327	132	250	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 327	D	µg/kg dry	327	125	250	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 327	D	µg/kg dry	327	117	250	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 327	D	µg/kg dry	327	197	250	"	"	"	"	"	X
100-41-4	Ethylbenzene	**2,540**	D	µg/kg dry	327	199	250	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-29 (2') SB80661-18	7256	Soil	19-Nov-13 13:15	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 14.57 g							
87-68-3	Hexachlorobutadiene	< 327	D	µg/kg dry	327	325	250	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 3270	D	µg/kg dry	3270	760	250	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**1,270**	D	µg/kg dry	327	71.6	250	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**350**	D	µg/kg dry	327	154	250	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 327	D	µg/kg dry	327	205	250	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 3270	D	µg/kg dry	3270	1340	250	"	"	"	"	"	X
75-09-2	Methylene chloride	< 654	D	µg/kg dry	654	269	250	"	"	"	"	"	X
91-20-3	Naphthalene	**1,110**	D	µg/kg dry	327	146	250	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**1,910**	D	µg/kg dry	327	128	250	"	"	"	"	"	X
100-42-5	Styrene	< 327	D	µg/kg dry	327	98.1	250	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 327	D	µg/kg dry	327	162	250	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 327	D	µg/kg dry	327	303	250	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 327	D	µg/kg dry	327	205	250	"	"	"	"	"	X
108-88-3	Toluene	< 327	D	µg/kg dry	327	223	250	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 327	D	µg/kg dry	327	232	250	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 327	D	µg/kg dry	327	253	250	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 327	D	µg/kg dry	327	232	250	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 327	D	µg/kg dry	327	252	250	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 327	D	µg/kg dry	327	234	250	"	"	"	"	"	X
79-01-6	Trichloroethene	< 327	D	µg/kg dry	327	203	250	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 327	D	µg/kg dry	327	138	250	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 327	D	µg/kg dry	327	272	250	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**14,900**	D	µg/kg dry	327	112	250	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**4,640**	D	µg/kg dry	327	128	250	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 327	D	µg/kg dry	327	197	250	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**10,200**	D	µg/kg dry	654	439	250	"	"	"	"	"	X
95-47-6	o-Xylene	**7,270**	D	µg/kg dry	327	82.0	250	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 654	D	µg/kg dry	654	323	250	"	"	"	"	"	
60-29-7	Ethyl ether	< 327	D	µg/kg dry	327	237	250	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 327	D	µg/kg dry	327	81.7	250	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 327	D	µg/kg dry	327	131	250	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 327	D	µg/kg dry	327	171	250	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 3270	D	µg/kg dry	3270	3210	250	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 6540	D	µg/kg dry	6540	5810	250	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 1630	D	µg/kg dry	1630	558	250	"	"	"	"	"	X
64-17-5	Ethanol	< 131000	D	µg/kg dry	131000	21400	250	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*108*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Gasoline Range Organics			GS1										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-29 (2') SB80661-18	7256	Soil	19-Nov-13 13:15	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Gasoline Range Organics			GS1										
Prepared by method VPH - EPA 5035A Soil							Initial weight: 14.57 g						
	Gasoline Range Organics	**299**	D	mg/kg dry	24.5	0.5	250	Mod 8015	01-Dec-13	01-Dec-13	mp	1328928	X
Surrogate recoveries:													
615-59-8	*2,5-Dibromotoluene (PID)*	*105*			*70-130 %*			"	"	"	"	"	
615-59-8	*2,5-Dibromotoluene (FID)*	*94*			*70-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.0**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-29 (3.5') SB80661-19	7256	Soil	19-Nov-13 13:25	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DJB	1328303	
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 13.42 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 72.5	D	µg/kg dry	72.5	43.3	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 725	D	µg/kg dry	725	689	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 72.5	D	µg/kg dry	72.5	71.0	50	"	"	"	"	"	X
71-43-2	Benzene	< 72.5	D	µg/kg dry	72.5	24.6	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 72.5	D	µg/kg dry	72.5	20.2	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 72.5	D	µg/kg dry	72.5	63.1	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 72.5	D	µg/kg dry	72.5	53.4	50	"	"	"	"	"	X
75-25-2	Bromoform	< 72.5	D	µg/kg dry	72.5	39.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 145	D	µg/kg dry	145	129	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 725	D	µg/kg dry	725	222	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**312**	D	µg/kg dry	72.5	50.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**104**	D	µg/kg dry	72.5	32.2	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 72.5	D	µg/kg dry	72.5	18.6	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 145	D	µg/kg dry	145	104	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 72.5	D	µg/kg dry	72.5	53.2	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 72.5	D	µg/kg dry	72.5	39.3	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 145	D	µg/kg dry	145	47.5	50	"	"	"	"	"	X
67-66-3	Chloroform	< 72.5	D	µg/kg dry	72.5	53.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 145	D	µg/kg dry	145	73.9	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 72.5	D	µg/kg dry	72.5	22.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 72.5	D	µg/kg dry	72.5	33.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 145	D	µg/kg dry	145	140	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 72.5	D	µg/kg dry	72.5	52.9	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 72.5	D	µg/kg dry	72.5	54.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 72.5	D	µg/kg dry	72.5	49.1	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 72.5	D	µg/kg dry	72.5	24.3	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 72.5	D	µg/kg dry	72.5	32.1	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 72.5	D	µg/kg dry	72.5	27.5	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 145	D	µg/kg dry	145	35.8	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 72.5	D	µg/kg dry	72.5	70.9	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 72.5	D	µg/kg dry	72.5	47.5	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 72.5	D	µg/kg dry	72.5	38.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 72.5	D	µg/kg dry	72.5	31.5	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 72.5	D	µg/kg dry	72.5	61.5	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 72.5	D	µg/kg dry	72.5	38.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 72.5	D	µg/kg dry	72.5	53.1	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 72.5	D	µg/kg dry	72.5	29.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 72.5	D	µg/kg dry	72.5	27.7	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 72.5	D	µg/kg dry	72.5	26.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 72.5	D	µg/kg dry	72.5	43.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**985**	D	µg/kg dry	72.5	44.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-29 (3.5') SB80661-19	7256	Soil	19-Nov-13 13:25	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 13.42 g							
87-68-3	Hexachlorobutadiene	< 72.5	D	µg/kg dry	72.5	72.1	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
591-78-6	2-Hexanone (MBK)	< 725	D	µg/kg dry	725	169	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**523**	D	µg/kg dry	72.5	15.9	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	**190**	D	µg/kg dry	72.5	34.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**117**	D	µg/kg dry	72.5	45.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 725	D	µg/kg dry	725	298	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 145	D	µg/kg dry	145	59.7	50	"	"	"	"	"	X
91-20-3	Naphthalene	**841**	D	µg/kg dry	72.5	32.3	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**818**	D	µg/kg dry	72.5	28.3	50	"	"	"	"	"	X
100-42-5	Styrene	< 72.5	D	µg/kg dry	72.5	21.7	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 72.5	D	µg/kg dry	72.5	36.0	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 72.5	D	µg/kg dry	72.5	67.1	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 72.5	D	µg/kg dry	72.5	45.4	50	"	"	"	"	"	X
108-88-3	Toluene	**130**	D	µg/kg dry	72.5	49.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 72.5	D	µg/kg dry	72.5	51.4	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 72.5	D	µg/kg dry	72.5	56.0	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 72.5	D	µg/kg dry	72.5	51.4	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 72.5	D	µg/kg dry	72.5	55.8	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 72.5	D	µg/kg dry	72.5	52.0	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 72.5	D	µg/kg dry	72.5	45.0	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 72.5	D	µg/kg dry	72.5	30.7	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 72.5	D	µg/kg dry	72.5	60.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**7,230**	D	µg/kg dry	72.5	24.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**2,270**	D	µg/kg dry	72.5	28.3	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 72.5	D	µg/kg dry	72.5	43.7	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**4,490**	D	µg/kg dry	145	97.4	50	"	"	"	"	"	X
95-47-6	o-Xylene	**2,900**	D	µg/kg dry	72.5	18.2	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 145	D	µg/kg dry	145	71.5	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 72.5	D	µg/kg dry	72.5	52.5	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 72.5	D	µg/kg dry	72.5	18.1	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 72.5	D	µg/kg dry	72.5	29.0	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 72.5	D	µg/kg dry	72.5	38.0	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 725	D	µg/kg dry	725	713	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1450	D	µg/kg dry	1450	1290	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 362	D	µg/kg dry	362	124	50	"	"	"	"	"	X
64-17-5	Ethanol	< 29000	D	µg/kg dry	29000	4740	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*113*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	

General Chemistry Parameters

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-29 (3.5') SB80661-19	7256	Soil	19-Nov-13 13:25	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	**86.5**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328394	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	7256	Trip blank	19-Nov-13 00:00	20-Nov-13
SB80661-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.0		µg/kg wet	5.0	3.0	1	SW846 8260C	22-Nov-13	22-Nov-13	JEG	1328445	X
67-64-1	Acetone	< 50.0		µg/kg wet	50.0	47.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5.0		µg/kg wet	5.0	4.9	1	"	"	"	"	"	X
71-43-2	Benzene	< 5.0		µg/kg wet	5.0	1.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.0		µg/kg wet	5.0	1.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.0		µg/kg wet	5.0	4.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.0		µg/kg wet	5.0	3.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.0		µg/kg wet	5.0	2.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 10.0		µg/kg wet	10.0	8.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 50.0		µg/kg wet	50.0	15.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.0		µg/kg wet	5.0	3.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.0		µg/kg wet	5.0	2.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.0		µg/kg wet	5.0	1.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10.0		µg/kg wet	10.0	7.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.0		µg/kg wet	5.0	3.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.0		µg/kg wet	5.0	2.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 10.0		µg/kg wet	10.0	3.3	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.0		µg/kg wet	5.0	3.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 10.0		µg/kg wet	10.0	5.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.0		µg/kg wet	5.0	1.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.0		µg/kg wet	5.0	2.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10.0		µg/kg wet	10.0	9.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.0		µg/kg wet	5.0	3.6	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.0		µg/kg wet	5.0	3.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.0		µg/kg wet	5.0	3.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.0		µg/kg wet	5.0	1.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.0		µg/kg wet	5.0	2.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.0		µg/kg wet	5.0	1.9	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.0		µg/kg wet	10.0	2.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.0		µg/kg wet	5.0	4.9	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.0		µg/kg wet	5.0	3.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.0		µg/kg wet	5.0	2.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0	2.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0	4.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.0		µg/kg wet	5.0	2.6	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.0		µg/kg wet	5.0	3.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.0		µg/kg wet	5.0	2.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.0		µg/kg wet	5.0	1.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0	1.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0	3.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.0		µg/kg wet	5.0	3.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 5.0		µg/kg wet	5.0	5.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 50.0		µg/kg wet	50.0	11.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB80661-20	7256	Trip blank	19-Nov-13 00:00	20-Nov-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)													
98-82-8	Isopropylbenzene	< 5.0		µg/kg wet	5.0	1.1	1	SW846 8260C	22-Nov-13	22-Nov-13	JEG	1328445	X
99-87-6	4-Isopropyltoluene	< 5.0		µg/kg wet	5.0	2.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.0		µg/kg wet	5.0	3.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 50.0		µg/kg wet	50.0	20.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10.0		µg/kg wet	10.0	4.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.0		µg/kg wet	5.0	2.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.0		µg/kg wet	5.0	2.0	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.0		µg/kg wet	5.0	1.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0	2.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0	4.6	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.0		µg/kg wet	5.0	3.1	1	"	"	"	"	"	X
108-88-3	Toluene	< 5.0		µg/kg wet	5.0	3.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.0		µg/kg wet	5.0	3.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.0		µg/kg wet	5.0	3.9	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.0		µg/kg wet	5.0	3.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.0		µg/kg wet	5.0	3.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.0		µg/kg wet	5.0	3.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.0		µg/kg wet	5.0	3.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.0		µg/kg wet	5.0	2.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.0		µg/kg wet	5.0	4.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.0		µg/kg wet	5.0	1.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.0		µg/kg wet	5.0	2.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.0		µg/kg wet	5.0	3.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10.0		µg/kg wet	10.0	6.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.0		µg/kg wet	5.0	1.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10.0		µg/kg wet	10.0	4.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.0		µg/kg wet	5.0	3.6	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5.0		µg/kg wet	5.0	1.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.0		µg/kg wet	5.0	2.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5.0		µg/kg wet	5.0	2.6	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 50.0		µg/kg wet	50.0	49.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 100		µg/kg wet	100	88.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 25.0		µg/kg wet	25.0	8.5	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2000		µg/kg wet	2000	327	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (high level)													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	7256	Trip blank	19-Nov-13 00:00	20-Nov-13
SB80661-20				

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (high level)

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	D	µg/kg wet	50.0	29.9	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
67-64-1	Acetone	< 500	D	µg/kg wet	500	475	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 50.0	D	µg/kg wet	50.0	49.0	50	"	"	"	"	"	X
71-43-2	Benzene	< 50.0	D	µg/kg wet	50.0	17.0	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 50.0	D	µg/kg wet	50.0	14.0	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 50.0	D	µg/kg wet	50.0	43.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 50.0	D	µg/kg wet	50.0	36.8	50	"	"	"	"	"	X
75-25-2	Bromoform	< 50.0	D	µg/kg wet	50.0	27.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 100	D	µg/kg wet	100	88.7	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 500	D	µg/kg wet	500	153	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 50.0	D	µg/kg wet	50.0	34.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 50.0	D	µg/kg wet	50.0	22.2	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 50.0	D	µg/kg wet	50.0	12.8	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 100	D	µg/kg wet	100	71.5	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 50.0	D	µg/kg wet	50.0	36.7	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 50.0	D	µg/kg wet	50.0	27.1	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 100	D	µg/kg wet	100	32.8	50	"	"	"	"	"	X
67-66-3	Chloroform	< 50.0	D	µg/kg wet	50.0	37.0	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 100	D	µg/kg wet	100	51.0	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 50.0	D	µg/kg wet	50.0	15.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 50.0	D	µg/kg wet	50.0	22.8	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 100	D	µg/kg wet	100	96.2	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 50.0	D	µg/kg wet	50.0	36.5	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 50.0	D	µg/kg wet	50.0	37.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 50.0	D	µg/kg wet	50.0	33.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0	16.8	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0	22.2	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0	19.0	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 100	D	µg/kg wet	100	24.7	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 50.0	D	µg/kg wet	50.0	48.9	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 50.0	D	µg/kg wet	50.0	32.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 50.0	D	µg/kg wet	50.0	26.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0	21.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0	42.4	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0	26.5	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 50.0	D	µg/kg wet	50.0	36.6	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0	20.2	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 50.0	D	µg/kg wet	50.0	19.1	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0	18.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0	30.1	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 50.0	D	µg/kg wet	50.0	30.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 50.0	D	µg/kg wet	50.0	49.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	7256	Trip blank	19-Nov-13 00:00	20-Nov-13
SB80661-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (high level)													
591-78-6	2-Hexanone (MBK)	< 500	D	µg/kg wet	500	116	50	SW846 8260C	22-Nov-13	23-Nov-13	GMA	1328538	X
98-82-8	Isopropylbenzene	< 50.0	D	µg/kg wet	50.0	11.0	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 50.0	D	µg/kg wet	50.0	23.5	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0	31.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 500	D	µg/kg wet	500	206	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 100	D	µg/kg wet	100	41.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 50.0	D	µg/kg wet	50.0	22.3	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 50.0	D	µg/kg wet	50.0	19.6	50	"	"	"	"	"	X
100-42-5	Styrene	< 50.0	D	µg/kg wet	50.0	15.0	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0	24.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0	46.3	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 50.0	D	µg/kg wet	50.0	31.3	50	"	"	"	"	"	X
108-88-3	Toluene	< 50.0	D	µg/kg wet	50.0	34.1	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0	35.4	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0	38.6	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0	35.4	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 50.0	D	µg/kg wet	50.0	38.5	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 50.0	D	µg/kg wet	50.0	35.8	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 50.0	D	µg/kg wet	50.0	31.0	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 50.0	D	µg/kg wet	50.0	21.2	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 50.0	D	µg/kg wet	50.0	41.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0	17.1	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0	19.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 50.0	D	µg/kg wet	50.0	30.2	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 100	D	µg/kg wet	100	67.2	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 50.0	D	µg/kg wet	50.0	12.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 100	D	µg/kg wet	100	49.4	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 50.0	D	µg/kg wet	50.0	36.2	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 50.0	D	µg/kg wet	50.0	12.5	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0	20.0	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 50.0	D	µg/kg wet	50.0	26.2	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 500	D	µg/kg wet	500	492	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1000	D	µg/kg wet	1000	888	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 250	D	µg/kg wet	250	85.4	50	"	"	"	"	"	X
64-17-5	Ethanol	< 20000	D	µg/kg wet	20000	3270	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*110*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-1 SB80661-21	7256	Soil	19-Nov-13 13:45	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-92-1	Lead	**25.7**		mg/kg dry	1.61	0.594	1	SW846 6010C	27-Nov-13	04-Dec-13	ARF	1328850	X
General Chemistry Parameters													
	% Solids	**91.3**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328395	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-2 SB80661-22	7256	Soil	19-Nov-13 13:50	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-92-1	Lead	**211**		mg/kg dry	1.57	0.578	1	SW846 6010C	27-Nov-13	04-Dec-13	ARF	1328850	X
General Chemistry Parameters													
	% Solids	**88.5**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328395	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-3 SB80661-23	7256	Soil	19-Nov-13 13:55	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-92-1	Lead	**12.5**		mg/kg dry	1.40	0.515	1	SW846 6010C	27-Nov-13	04-Dec-13	ARF	1328850	X
General Chemistry Parameters													
	% Solids	**91.2**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328395	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-4 SB80661-24	7256	Soil	19-Nov-13 14:00	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-92-1	Lead	**259**		mg/kg dry	1.69	0.623	1	SW846 6010C	27-Nov-13	04-Dec-13	ARF	1328850	X
General Chemistry Parameters													
	% Solids	**84.1**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328395	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-5 SB80661-25	7256	Soil	19-Nov-13 14:05	20-Nov-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-92-1	Lead	**51.3**		mg/kg dry	1.39	0.514	1	SW846 6010C	27-Nov-13	04-Dec-13	ARF	1328850	X
General Chemistry Parameters													
	% Solids	**90.9**		%			1	SM2540 G Mod.	21-Nov-13	21-Nov-13	DT	1328395	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328320 - SW846 5035A Soil (low level)										
Blank (1328320-BLK1)					Prepared & Analyzed: 21-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.0		µg/kg wet	5.0						
Acetone	< 50.0		µg/kg wet	50.0						
Acrylonitrile	< 5.0		µg/kg wet	5.0						
Benzene	< 5.0		µg/kg wet	5.0						
Bromobenzene	< 5.0		µg/kg wet	5.0						
Bromochloromethane	< 5.0		µg/kg wet	5.0						
Bromodichloromethane	< 5.0		µg/kg wet	5.0						
Bromoform	< 5.0		µg/kg wet	5.0						
Bromomethane	< 10.0		µg/kg wet	10.0						
2-Butanone (MEK)	< 50.0		µg/kg wet	50.0						
n-Butylbenzene	< 5.0		µg/kg wet	5.0						
sec-Butylbenzene	< 5.0		µg/kg wet	5.0						
tert-Butylbenzene	< 5.0		µg/kg wet	5.0						
Carbon disulfide	< 10.0		µg/kg wet	10.0						
Carbon tetrachloride	< 5.0		µg/kg wet	5.0						
Chlorobenzene	< 5.0		µg/kg wet	5.0						
Chloroethane	< 10.0		µg/kg wet	10.0						
Chloroform	< 5.0		µg/kg wet	5.0						
Chloromethane	< 10.0		µg/kg wet	10.0						
2-Chlorotoluene	< 5.0		µg/kg wet	5.0						
4-Chlorotoluene	< 5.0		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	< 10.0		µg/kg wet	10.0						
Dibromochloromethane	< 5.0		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	< 5.0		µg/kg wet	5.0						
Dibromomethane	< 5.0		µg/kg wet	5.0						
1,2-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,4-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	< 10.0		µg/kg wet	10.0						
1,1-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,2-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,1-Dichloroethene	< 5.0		µg/kg wet	5.0						
cis-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
trans-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
1,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,3-Dichloropropane	< 5.0		µg/kg wet	5.0						
2,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,1-Dichloropropene	< 5.0		µg/kg wet	5.0						
cis-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
trans-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
Ethylbenzene	< 5.0		µg/kg wet	5.0						
Hexachlorobutadiene	< 5.0		µg/kg wet	5.0						
2-Hexanone (MBK)	< 50.0		µg/kg wet	50.0						
Isopropylbenzene	< 5.0		µg/kg wet	5.0						
4-Isopropyltoluene	< 5.0		µg/kg wet	5.0						
Methyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	< 50.0		µg/kg wet	50.0						
Methylene chloride	< 10.0		µg/kg wet	10.0						
Naphthalene	< 5.0		µg/kg wet	5.0						
n-Propylbenzene	< 5.0		µg/kg wet	5.0						
Styrene	< 5.0		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328320 - SW846 5035A Soil (low level)										
Blank (1328320-BLK1)					Prepared & Analyzed: 21-Nov-13					
1,1,2,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
Tetrachloroethene	< 5.0		µg/kg wet	5.0						
Toluene	< 5.0		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,1,1-Trichloroethane	< 5.0		µg/kg wet	5.0						
1,1,2-Trichloroethane	< 5.0		µg/kg wet	5.0						
Trichloroethene	< 5.0		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	< 5.0		µg/kg wet	5.0						
1,2,3-Trichloropropane	< 5.0		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
Vinyl chloride	< 5.0		µg/kg wet	5.0						
m,p-Xylene	< 10.0		µg/kg wet	10.0						
o-Xylene	< 5.0		µg/kg wet	5.0						
Tetrahydrofuran	< 10.0		µg/kg wet	10.0						
Ethyl ether	< 5.0		µg/kg wet	5.0						
Tert-amyl methyl ether	< 5.0		µg/kg wet	5.0						
Ethyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
Di-isopropyl ether	< 5.0		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	< 50.0		µg/kg wet	50.0						
1,4-Dioxane	< 100		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	< 25.0		µg/kg wet	25.0						
Ethanol	< 2000		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.0*		µg/kg wet		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*56.0*		µg/kg wet		*50.0*		*112*	*70-130*		
LCS (1328320-BS1)					Prepared & Analyzed: 21-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.1**		µg/kg wet		20.0		100	70-130		
Acetone	**19.8**		µg/kg wet		20.0		99	70-130		
Acrylonitrile	**21.8**		µg/kg wet		20.0		109	70-130		
Benzene	**20.1**		µg/kg wet		20.0		100	70-130		
Bromobenzene	**20.4**		µg/kg wet		20.0		102	70-130		
Bromochloromethane	**22.1**		µg/kg wet		20.0		110	70-130		
Bromodichloromethane	**22.0**		µg/kg wet		20.0		110	70-130		
Bromoform	**19.8**		µg/kg wet		20.0		99	70-130		
Bromomethane	**18.9**		µg/kg wet		20.0		95	70-130		
2-Butanone (MEK)	**15.1**		µg/kg wet		20.0		75	70-130		
n-Butylbenzene	**15.3**		µg/kg wet		20.0		77	70-130		
sec-Butylbenzene	**19.6**		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	**19.6**		µg/kg wet		20.0		98	70-130		
Carbon disulfide	**19.8**		µg/kg wet		20.0		99	70-130		
Carbon tetrachloride	**22.1**		µg/kg wet		20.0		111	70-130		
Chlorobenzene	**19.7**		µg/kg wet		20.0		99	70-130		
Chloroethane	**18.8**		µg/kg wet		20.0		94	70-130		
Chloroform	**19.8**		µg/kg wet		20.0		99	70-130		
Chloromethane	**18.1**		µg/kg wet		20.0		90	70-130		
2-Chlorotoluene	**18.8**		µg/kg wet		20.0		94	70-130		
4-Chlorotoluene	**19.5**		µg/kg wet		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328320 - SW846 5035A Soil (low level)										
LCS (1328320-BS1)					Prepared & Analyzed: 21-Nov-13					
1,2-Dibromo-3-chloropropane	**16.2**		µg/kg wet		20.0		81	70-130		
Dibromochloromethane	**19.9**		µg/kg wet		20.0		100	70-130		
1,2-Dibromoethane (EDB)	**22.7**		µg/kg wet		20.0		114	70-130		
Dibromomethane	**21.6**		µg/kg wet		20.0		108	70-130		
1,2-Dichlorobenzene	**18.1**		µg/kg wet		20.0		91	70-130		
1,3-Dichlorobenzene	**20.3**		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	**17.6**		µg/kg wet		20.0		88	70-130		
Dichlorodifluoromethane (Freon12)	**18.6**		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethane	**20.0**		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	**21.0**		µg/kg wet		20.0		105	70-130		
1,1-Dichloroethene	**19.5**		µg/kg wet		20.0		97	70-130		
cis-1,2-Dichloroethene	**20.8**		µg/kg wet		20.0		104	70-130		
trans-1,2-Dichloroethene	**19.4**		µg/kg wet		20.0		97	70-130		
1,2-Dichloropropane	**20.3**		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	**21.4**		µg/kg wet		20.0		107	70-130		
2,2-Dichloropropane	**20.0**		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	**19.0**		µg/kg wet		20.0		95	70-130		
cis-1,3-Dichloropropene	**18.0**		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	**19.7**		µg/kg wet		20.0		98	70-130		
Ethylbenzene	**19.1**		µg/kg wet		20.0		95	70-130		
Hexachlorobutadiene	**17.4**		µg/kg wet		20.0		87	70-130		
2-Hexanone (MBK)	**16.6**		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	**19.4**		µg/kg wet		20.0		97	70-130		
4-Isopropyltoluene	**17.4**		µg/kg wet		20.0		87	70-130		
Methyl tert-butyl ether	**20.2**		µg/kg wet		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	**19.1**		µg/kg wet		20.0		95	70-130		
Methylene chloride	**19.4**		µg/kg wet		20.0		97	70-130		
Naphthalene	**15.6**		µg/kg wet		20.0		78	70-130		
n-Propylbenzene	**19.7**		µg/kg wet		20.0		98	70-130		
Styrene	**19.7**		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	**21.3**		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	**21.8**		µg/kg wet		20.0		109	70-130		
Tetrachloroethene	**21.1**		µg/kg wet		20.0		105	70-130		
Toluene	**19.8**		µg/kg wet		20.0		99	70-130		
1,2,3-Trichlorobenzene	**16.5**		µg/kg wet		20.0		82	70-130		
1,2,4-Trichlorobenzene	**15.3**		µg/kg wet		20.0		77	70-130		
1,3,5-Trichlorobenzene	**18.0**		µg/kg wet		20.0		90	70-130		
1,1,1-Trichloroethane	**21.3**		µg/kg wet		20.0		106	70-130		
1,1,2-Trichloroethane	**22.0**		µg/kg wet		20.0		110	70-130		
Trichloroethene	**20.2**		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	**21.0**		µg/kg wet		20.0		105	70-130		
1,2,3-Trichloropropane	**20.6**		µg/kg wet		20.0		103	70-130		
1,2,4-Trimethylbenzene	**20.3**		µg/kg wet		20.0		102	70-130		
1,3,5-Trimethylbenzene	**19.7**		µg/kg wet		20.0		99	70-130		
Vinyl chloride	**19.0**		µg/kg wet		20.0		95	70-130		
m,p-Xylene	**39.2**		µg/kg wet		40.0		98	70-130		
o-Xylene	**20.1**		µg/kg wet		20.0		101	70-130		
Tetrahydrofuran	**20.1**		µg/kg wet		20.0		100	70-130		
Ethyl ether	**20.7**		µg/kg wet		20.0		103	70-130		
Tert-amyl methyl ether	**20.6**		µg/kg wet		20.0		103	70-130		
Ethyl tert-butyl ether	**20.9**		µg/kg wet		20.0		105	70-130		
Di-isopropyl ether	**19.1**		µg/kg wet		20.0		96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328320 - SW846 5035A Soil (low level)										
LCS (1328320-BS1)						Prepared & Analyzed: 21-Nov-13				
Tert-Butanol / butyl alcohol	**250**		µg/kg wet		200		125	70-130		
1,4-Dioxane	**188**		µg/kg wet		200		94	70-130		
trans-1,4-Dichloro-2-butene	**19.9**		µg/kg wet		20.0		99	70-130		
Ethanol	**392**		µg/kg wet		400		98	70-130		
Surrogate: 4-Bromofluorobenzene	*52.8*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*53.5*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS Dup (1328320-BSD1)						Prepared & Analyzed: 21-Nov-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.7**		µg/kg wet		20.0		99	70-130	2	30
Acetone	**17.2**		µg/kg wet		20.0		86	70-130	14	30
Acrylonitrile	**20.0**		µg/kg wet		20.0		100	70-130	9	30
Benzene	**19.9**		µg/kg wet		20.0		99	70-130	1	30
Bromobenzene	**20.2**		µg/kg wet		20.0		101	70-130	1	30
Bromochloromethane	**21.7**		µg/kg wet		20.0		108	70-130	2	30
Bromodichloromethane	**21.3**		µg/kg wet		20.0		107	70-130	3	30
Bromoform	**18.9**		µg/kg wet		20.0		94	70-130	5	30
Bromomethane	**18.8**		µg/kg wet		20.0		94	70-130	0.6	30
2-Butanone (MEK)	**16.8**		µg/kg wet		20.0		84	70-130	11	30
n-Butylbenzene	**15.4**		µg/kg wet		20.0		77	70-130	0.6	30
sec-Butylbenzene	**19.6**		µg/kg wet		20.0		98	70-130	0.1	30
tert-Butylbenzene	**19.7**		µg/kg wet		20.0		98	70-130	0.6	30
Carbon disulfide	**19.5**		µg/kg wet		20.0		97	70-130	2	30
Carbon tetrachloride	**21.8**		µg/kg wet		20.0		109	70-130	1	30
Chlorobenzene	**19.4**		µg/kg wet		20.0		97	70-130	2	30
Chloroethane	**18.2**		µg/kg wet		20.0		91	70-130	3	30
Chloroform	**19.1**		µg/kg wet		20.0		96	70-130	3	30
Chloromethane	**17.8**		µg/kg wet		20.0		89	70-130	2	30
2-Chlorotoluene	**18.7**		µg/kg wet		20.0		94	70-130	0.6	30
4-Chlorotoluene	**19.2**		µg/kg wet		20.0		96	70-130	2	30
1,2-Dibromo-3-chloropropane	**15.2**		µg/kg wet		20.0		76	70-130	6	30
Dibromochloromethane	**19.3**		µg/kg wet		20.0		97	70-130	3	30
1,2-Dibromoethane (EDB)	**21.8**		µg/kg wet		20.0		109	70-130	4	30
Dibromomethane	**21.2**		µg/kg wet		20.0		106	70-130	2	30
1,2-Dichlorobenzene	**17.7**		µg/kg wet		20.0		88	70-130	2	30
1,3-Dichlorobenzene	**20.2**		µg/kg wet		20.0		101	70-130	0.5	30
1,4-Dichlorobenzene	**17.5**		µg/kg wet		20.0		87	70-130	1	30
Dichlorodifluoromethane (Freon12)	**18.1**		µg/kg wet		20.0		90	70-130	3	30
1,1-Dichloroethane	**19.8**		µg/kg wet		20.0		99	70-130	1	30
1,2-Dichloroethane	**20.3**		µg/kg wet		20.0		101	70-130	4	30
1,1-Dichloroethene	**19.6**		µg/kg wet		20.0		98	70-130	0.6	30
cis-1,2-Dichloroethene	**20.4**		µg/kg wet		20.0		102	70-130	2	30
trans-1,2-Dichloroethene	**19.7**		µg/kg wet		20.0		98	70-130	2	30
1,2-Dichloropropane	**19.9**		µg/kg wet		20.0		100	70-130	2	30
1,3-Dichloropropane	**20.3**		µg/kg wet		20.0		102	70-130	5	30
2,2-Dichloropropane	**19.4**		µg/kg wet		20.0		97	70-130	3	30
1,1-Dichloropropene	**18.5**		µg/kg wet		20.0		93	70-130	3	30
cis-1,3-Dichloropropene	**17.7**		µg/kg wet		20.0		88	70-130	2	30
trans-1,3-Dichloropropene	**19.1**		µg/kg wet		20.0		96	70-130	3	30
Ethylbenzene	**19.0**		µg/kg wet		20.0		95	70-130	0.5	30
Hexachlorobutadiene	**17.4**		µg/kg wet		20.0		87	70-130	0.2	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328320 - SW846 5035A Soil (low level)										
LCS Dup (1328320-BSD1)					Prepared & Analyzed: 21-Nov-13					
2-Hexanone (MBK)	**14.8**		µg/kg wet		20.0		74	70-130	11	30
Isopropylbenzene	**19.2**		µg/kg wet		20.0		96	70-130	1	30
4-Isopropyltoluene	**17.4**		µg/kg wet		20.0		87	70-130	0.3	30
Methyl tert-butyl ether	**19.5**		µg/kg wet		20.0		98	70-130	4	30
4-Methyl-2-pentanone (MIBK)	**16.9**		µg/kg wet		20.0		85	70-130	12	30
Methylene chloride	**18.7**		µg/kg wet		20.0		94	70-130	4	30
Naphthalene	**14.7**		µg/kg wet		20.0		73	70-130	6	30
n-Propylbenzene	**19.6**		µg/kg wet		20.0		98	70-130	0.2	30
Styrene	**19.5**		µg/kg wet		20.0		98	70-130	0.6	30
1,1,1,2-Tetrachloroethane	**21.6**		µg/kg wet		20.0		108	70-130	1	30
1,1,2,2-Tetrachloroethane	**19.8**		µg/kg wet		20.0		99	70-130	9	30
Tetrachloroethene	**20.5**		µg/kg wet		20.0		102	70-130	3	30
Toluene	**19.7**		µg/kg wet		20.0		98	70-130	0.6	30
1,2,3-Trichlorobenzene	**16.1**		µg/kg wet		20.0		81	70-130	2	30
1,2,4-Trichlorobenzene	**15.2**		µg/kg wet		20.0		76	70-130	0.7	30
1,3,5-Trichlorobenzene	**17.8**		µg/kg wet		20.0		89	70-130	0.8	30
1,1,1-Trichloroethane	**20.7**		µg/kg wet		20.0		104	70-130	3	30
1,1,2-Trichloroethane	**21.0**		µg/kg wet		20.0		105	70-130	4	30
Trichloroethene	**19.6**		µg/kg wet		20.0		98	70-130	3	30
Trichlorofluoromethane (Freon 11)	**20.6**		µg/kg wet		20.0		103	70-130	2	30
1,2,3-Trichloropropane	**19.0**		µg/kg wet		20.0		95	70-130	8	30
1,2,4-Trimethylbenzene	**20.0**		µg/kg wet		20.0		100	70-130	1	30
1,3,5-Trimethylbenzene	**19.4**		µg/kg wet		20.0		97	70-130	2	30
Vinyl chloride	**18.6**		µg/kg wet		20.0		93	70-130	2	30
m,p-Xylene	**39.3**		µg/kg wet		40.0		98	70-130	0.2	30
o-Xylene	**20.0**		µg/kg wet		20.0		100	70-130	0.8	30
Tetrahydrofuran	**17.7**		µg/kg wet		20.0		88	70-130	13	30
Ethyl ether	**19.3**		µg/kg wet		20.0		96	70-130	7	30
Tert-amyl methyl ether	**19.8**		µg/kg wet		20.0		99	70-130	4	30
Ethyl tert-butyl ether	**20.4**		µg/kg wet		20.0		102	70-130	2	30
Di-isopropyl ether	**18.8**		µg/kg wet		20.0		94	70-130	2	30
Tert-Butanol / butyl alcohol	**221**		µg/kg wet		200		110	70-130	12	30
1,4-Dioxane	**172**		µg/kg wet		200		86	70-130	9	30
trans-1,4-Dichloro-2-butene	**18.4**		µg/kg wet		20.0		92	70-130	8	30
Ethanol	**361**		µg/kg wet		400		90	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*53.4*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*52.8*		µg/kg wet		*50.0*		*106*	*70-130*		
Batch 1328445 - SW846 5035A Soil (low level)										
Blank (1328445-BLK1)					Prepared & Analyzed: 22-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.0		µg/kg wet	5.0						
Acetone	< 50.0		µg/kg wet	50.0						
Acrylonitrile	< 5.0		µg/kg wet	5.0						
Benzene	< 5.0		µg/kg wet	5.0						
Bromobenzene	< 5.0		µg/kg wet	5.0						
Bromochloromethane	< 5.0		µg/kg wet	5.0						
Bromodichloromethane	< 5.0		µg/kg wet	5.0						
Bromoform	< 5.0		µg/kg wet	5.0						
Bromomethane	< 10.0		µg/kg wet	10.0						
2-Butanone (MEK)	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328445 - SW846 5035A Soil (low level)										
Blank (1328445-BLK1)					Prepared & Analyzed: 22-Nov-13					
n-Butylbenzene	< 5.0		µg/kg wet	5.0						
sec-Butylbenzene	< 5.0		µg/kg wet	5.0						
tert-Butylbenzene	< 5.0		µg/kg wet	5.0						
Carbon disulfide	< 10.0		µg/kg wet	10.0						
Carbon tetrachloride	< 5.0		µg/kg wet	5.0						
Chlorobenzene	< 5.0		µg/kg wet	5.0						
Chloroethane	< 10.0		µg/kg wet	10.0						
Chloroform	< 5.0		µg/kg wet	5.0						
Chloromethane	< 10.0		µg/kg wet	10.0						
2-Chlorotoluene	< 5.0		µg/kg wet	5.0						
4-Chlorotoluene	< 5.0		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	< 10.0		µg/kg wet	10.0						
Dibromochloromethane	< 5.0		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	< 5.0		µg/kg wet	5.0						
Dibromomethane	< 5.0		µg/kg wet	5.0						
1,2-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,4-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	< 10.0		µg/kg wet	10.0						
1,1-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,2-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,1-Dichloroethene	< 5.0		µg/kg wet	5.0						
cis-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
trans-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
1,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,3-Dichloropropane	< 5.0		µg/kg wet	5.0						
2,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,1-Dichloropropene	< 5.0		µg/kg wet	5.0						
cis-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
trans-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
Ethylbenzene	< 5.0		µg/kg wet	5.0						
Hexachlorobutadiene	< 5.0		µg/kg wet	5.0						
2-Hexanone (MBK)	< 50.0		µg/kg wet	50.0						
Isopropylbenzene	< 5.0		µg/kg wet	5.0						
4-Isopropyltoluene	< 5.0		µg/kg wet	5.0						
Methyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	< 50.0		µg/kg wet	50.0						
Methylene chloride	< 10.0		µg/kg wet	10.0						
Naphthalene	< 5.0		µg/kg wet	5.0						
n-Propylbenzene	< 5.0		µg/kg wet	5.0						
Styrene	< 5.0		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
Tetrachloroethene	< 5.0		µg/kg wet	5.0						
Toluene	< 5.0		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,1,1-Trichloroethane	< 5.0		µg/kg wet	5.0						
1,1,2-Trichloroethane	< 5.0		µg/kg wet	5.0						
Trichloroethene	< 5.0		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	< 5.0		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328445 - SW846 5035A Soil (low level)										
Blank (1328445-BLK1)					Prepared & Analyzed: 22-Nov-13					
1,2,3-Trichloropropane	< 5.0		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
Vinyl chloride	< 5.0		µg/kg wet	5.0						
m,p-Xylene	< 10.0		µg/kg wet	10.0						
o-Xylene	< 5.0		µg/kg wet	5.0						
Tetrahydrofuran	< 10.0		µg/kg wet	10.0						
Ethyl ether	< 5.0		µg/kg wet	5.0						
Tert-amyl methyl ether	< 5.0		µg/kg wet	5.0						
Ethyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
Di-isopropyl ether	< 5.0		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	< 50.0		µg/kg wet	50.0						
1,4-Dioxane	< 100		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	< 25.0		µg/kg wet	25.0						
Ethanol	< 2000		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*54.0*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.1*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*54.4*		µg/kg wet		*50.0*		*109*	*70-130*		
LCS (1328445-BS1)					Prepared & Analyzed: 22-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.3**		µg/kg wet		20.0		106	70-130		
Acetone	**19.8**		µg/kg wet		20.0		99	70-130		
Acrylonitrile	**21.4**		µg/kg wet		20.0		107	70-130		
Benzene	**21.3**		µg/kg wet		20.0		107	70-130		
Bromobenzene	**20.4**		µg/kg wet		20.0		102	70-130		
Bromochloromethane	**22.6**		µg/kg wet		20.0		113	70-130		
Bromodichloromethane	**22.7**		µg/kg wet		20.0		114	70-130		
Bromoform	**19.5**		µg/kg wet		20.0		98	70-130		
Bromomethane	**20.5**		µg/kg wet		20.0		102	70-130		
2-Butanone (MEK)	**13.2**		µg/kg wet		20.0		66	70-130		
n-Butylbenzene	**16.2**		µg/kg wet		20.0		81	70-130		
sec-Butylbenzene	**20.2**		µg/kg wet		20.0		101	70-130		
tert-Butylbenzene	**20.1**		µg/kg wet		20.0		100	70-130		
Carbon disulfide	**21.5**		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	**23.1**		µg/kg wet		20.0		116	70-130		
Chlorobenzene	**19.9**		µg/kg wet		20.0		99	70-130		
Chloroethane	**20.8**		µg/kg wet		20.0		104	70-130		
Chloroform	**19.8**		µg/kg wet		20.0		99	70-130		
Chloromethane	**19.3**		µg/kg wet		20.0		97	70-130		
2-Chlorotoluene	**20.0**		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	**19.8**		µg/kg wet		20.0		99	70-130		
1,2-Dibromo-3-chloropropane	**15.2**		µg/kg wet		20.0		76	70-130		
Dibromochloromethane	**20.6**		µg/kg wet		20.0		103	70-130		
1,2-Dibromoethane (EDB)	**23.0**		µg/kg wet		20.0		115	70-130		
Dibromomethane	**21.8**		µg/kg wet		20.0		109	70-130		
1,2-Dichlorobenzene	**17.9**		µg/kg wet		20.0		90	70-130		
1,3-Dichlorobenzene	**20.2**		µg/kg wet		20.0		101	70-130		
1,4-Dichlorobenzene	**17.8**		µg/kg wet		20.0		89	70-130		
Dichlorodifluoromethane (Freon12)	**20.8**		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethane	**21.1**		µg/kg wet		20.0		105	70-130		
1,2-Dichloroethane	**20.8**		µg/kg wet		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328445 - SW846 5035A Soil (low level)										
LCS (1328445-BS1)					Prepared & Analyzed: 22-Nov-13					
1,1-Dichloroethene	**21.4**		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	**21.3**		µg/kg wet		20.0		107	70-130		
trans-1,2-Dichloroethene	**21.6**		µg/kg wet		20.0		108	70-130		
1,2-Dichloropropane	**21.5**		µg/kg wet		20.0		108	70-130		
1,3-Dichloropropane	**21.3**		µg/kg wet		20.0		107	70-130		
2,2-Dichloropropane	**23.1**		µg/kg wet		20.0		115	70-130		
1,1-Dichloropropene	**20.9**		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	**19.8**		µg/kg wet		20.0		99	70-130		
trans-1,3-Dichloropropene	**21.3**		µg/kg wet		20.0		106	70-130		
Ethylbenzene	**19.8**		µg/kg wet		20.0		99	70-130		
Hexachlorobutadiene	**17.6**		µg/kg wet		20.0		88	70-130		
2-Hexanone (MBK)	**16.5**		µg/kg wet		20.0		82	70-130		
Isopropylbenzene	**20.1**		µg/kg wet		20.0		101	70-130		
4-Isopropyltoluene	**18.1**		µg/kg wet		20.0		90	70-130		
Methyl tert-butyl ether	**21.9**		µg/kg wet		20.0		109	70-130		
4-Methyl-2-pentanone (MIBK)	**19.6**		µg/kg wet		20.0		98	70-130		
Methylene chloride	**19.8**		µg/kg wet		20.0		99	70-130		
Naphthalene	**16.0**		µg/kg wet		20.0		80	70-130		
n-Propylbenzene	**19.7**		µg/kg wet		20.0		98	70-130		
Styrene	**20.4**		µg/kg wet		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	**21.9**		µg/kg wet		20.0		110	70-130		
1,1,2,2-Tetrachloroethane	**20.2**		µg/kg wet		20.0		101	70-130		
Tetrachloroethene	**22.2**		µg/kg wet		20.0		111	70-130		
Toluene	**20.8**		µg/kg wet		20.0		104	70-130		
1,2,3-Trichlorobenzene	**16.7**		µg/kg wet		20.0		84	70-130		
1,2,4-Trichlorobenzene	**16.0**		µg/kg wet		20.0		80	70-130		
1,3,5-Trichlorobenzene	**18.8**		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	**22.1**		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	**22.2**		µg/kg wet		20.0		111	70-130		
Trichloroethene	**21.6**		µg/kg wet		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	**21.9**		µg/kg wet		20.0		109	70-130		
1,2,3-Trichloropropane	**19.4**		µg/kg wet		20.0		97	70-130		
1,2,4-Trimethylbenzene	**20.7**		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	**20.1**		µg/kg wet		20.0		100	70-130		
Vinyl chloride	**21.4**		µg/kg wet		20.0		107	70-130		
m,p-Xylene	**40.1**		µg/kg wet		40.0		100	70-130		
o-Xylene	**20.2**		µg/kg wet		20.0		101	70-130		
Tetrahydrofuran	**19.4**		µg/kg wet		20.0		97	70-130		
Ethyl ether	**21.5**		µg/kg wet		20.0		108	70-130		
Tert-amyl methyl ether	**19.8**		µg/kg wet		20.0		99	70-130		
Ethyl tert-butyl ether	**22.3**		µg/kg wet		20.0		111	70-130		
Di-isopropyl ether	**20.2**		µg/kg wet		20.0		101	70-130		
Tert-Butanol / butyl alcohol	**248**		µg/kg wet		200		124	70-130		
1,4-Dioxane	**204**		µg/kg wet		200		102	70-130		
trans-1,4-Dichloro-2-butene	**22.0**		µg/kg wet		20.0		110	70-130		
Ethanol	**399**		µg/kg wet		400		100	70-130		
Surrogate: 4-Bromofluorobenzene	*52.8*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*53.6*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (1328445-BSD1)					Prepared & Analyzed: 22-Nov-13					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328445 - SW846 5035A Soil (low level)										
LCS Dup (1328445-BSD1)						Prepared & Analyzed: 22-Nov-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.6**		µg/kg wet		20.0		103	70-130	3	30
Acetone	**21.5**		µg/kg wet		20.0		107	70-130	8	30
Acrylonitrile	**22.6**		µg/kg wet		20.0		113	70-130	5	30
Benzene	**20.9**		µg/kg wet		20.0		104	70-130	2	30
Bromobenzene	**20.0**		µg/kg wet		20.0		100	70-130	2	30
Bromochloromethane	**22.8**		µg/kg wet		20.0		114	70-130	0.9	30
Bromodichloromethane	**22.4**		µg/kg wet		20.0		112	70-130	1	30
Bromoform	**19.8**		µg/kg wet		20.0		99	70-130	1	30
Bromomethane	**19.7**		µg/kg wet		20.0		99	70-130	4	30
2-Butanone (MEK)	**18.3**	QR2	µg/kg wet		20.0		92	70-130	32	30
n-Butylbenzene	**15.4**		µg/kg wet		20.0		77	70-130	5	30
sec-Butylbenzene	**19.3**		µg/kg wet		20.0		97	70-130	4	30
tert-Butylbenzene	**19.2**		µg/kg wet		20.0		96	70-130	4	30
Carbon disulfide	**20.8**		µg/kg wet		20.0		104	70-130	3	30
Carbon tetrachloride	**22.6**		µg/kg wet		20.0		113	70-130	2	30
Chlorobenzene	**19.4**		µg/kg wet		20.0		97	70-130	2	30
Chloroethane	**20.2**		µg/kg wet		20.0		101	70-130	3	30
Chloroform	**19.6**		µg/kg wet		20.0		98	70-130	1	30
Chloromethane	**18.8**		µg/kg wet		20.0		94	70-130	3	30
2-Chlorotoluene	**19.2**		µg/kg wet		20.0		96	70-130	4	30
4-Chlorotoluene	**19.0**		µg/kg wet		20.0		95	70-130	4	30
1,2-Dibromo-3-chloropropane	**17.1**		µg/kg wet		20.0		85	70-130	12	30
Dibromochloromethane	**20.5**		µg/kg wet		20.0		102	70-130	0.4	30
1,2-Dibromoethane (EDB)	**23.6**		µg/kg wet		20.0		118	70-130	3	30
Dibromomethane	**22.3**		µg/kg wet		20.0		111	70-130	2	30
1,2-Dichlorobenzene	**18.0**		µg/kg wet		20.0		90	70-130	0.3	30
1,3-Dichlorobenzene	**19.6**		µg/kg wet		20.0		98	70-130	3	30
1,4-Dichlorobenzene	**17.6**		µg/kg wet		20.0		88	70-130	1	30
Dichlorodifluoromethane (Freon12)	**20.5**		µg/kg wet		20.0		102	70-130	2	30
1,1-Dichloroethane	**20.7**		µg/kg wet		20.0		103	70-130	2	30
1,2-Dichloroethane	**21.0**		µg/kg wet		20.0		105	70-130	1	30
1,1-Dichloroethene	**21.1**		µg/kg wet		20.0		106	70-130	1	30
cis-1,2-Dichloroethene	**21.3**		µg/kg wet		20.0		106	70-130	0.09	30
trans-1,2-Dichloroethene	**20.6**		µg/kg wet		20.0		103	70-130	5	30
1,2-Dichloropropane	**21.0**		µg/kg wet		20.0		105	70-130	2	30
1,3-Dichloropropane	**21.7**		µg/kg wet		20.0		109	70-130	2	30
2,2-Dichloropropane	**22.1**		µg/kg wet		20.0		111	70-130	4	30
1,1-Dichloropropene	**20.2**		µg/kg wet		20.0		101	70-130	3	30
cis-1,3-Dichloropropene	**19.7**		µg/kg wet		20.0		99	70-130	0.6	30
trans-1,3-Dichloropropene	**21.6**		µg/kg wet		20.0		108	70-130	1	30
Ethylbenzene	**19.0**		µg/kg wet		20.0		95	70-130	4	30
Hexachlorobutadiene	**17.0**		µg/kg wet		20.0		85	70-130	4	30
2-Hexanone (MBK)	**18.3**		µg/kg wet		20.0		91	70-130	10	30
Isopropylbenzene	**19.2**		µg/kg wet		20.0		96	70-130	5	30
4-Isopropyltoluene	**17.6**		µg/kg wet		20.0		88	70-130	3	30
Methyl tert-butyl ether	**22.5**		µg/kg wet		20.0		112	70-130	3	30
4-Methyl-2-pentanone (MIBK)	**21.4**		µg/kg wet		20.0		107	70-130	9	30
Methylene chloride	**19.8**		µg/kg wet		20.0		99	70-130	0.4	30
Naphthalene	**16.1**		µg/kg wet		20.0		81	70-130	0.7	30
n-Propylbenzene	**18.8**		µg/kg wet		20.0		94	70-130	4	30
Styrene	**19.9**		µg/kg wet		20.0		99	70-130	2	30
1,1,1,2-Tetrachloroethane	**21.4**		µg/kg wet		20.0		107	70-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328445 - SW846 5035A Soil (low level)										
LCS Dup (1328445-BSD1)					Prepared & Analyzed: 22-Nov-13					
1,1,2,2-Tetrachloroethane	**20.8**		µg/kg wet		20.0		104	70-130	3	30
Tetrachloroethene	**22.0**		µg/kg wet		20.0		110	70-130	0.9	30
Toluene	**20.5**		µg/kg wet		20.0		102	70-130	2	30
1,2,3-Trichlorobenzene	**16.8**		µg/kg wet		20.0		84	70-130	0.2	30
1,2,4-Trichlorobenzene	**15.8**		µg/kg wet		20.0		79	70-130	0.9	30
1,3,5-Trichlorobenzene	**18.3**		µg/kg wet		20.0		92	70-130	3	30
1,1,1-Trichloroethane	**21.6**		µg/kg wet		20.0		108	70-130	2	30
1,1,2-Trichloroethane	**22.6**		µg/kg wet		20.0		113	70-130	2	30
Trichloroethene	**20.6**		µg/kg wet		20.0		103	70-130	5	30
Trichlorofluoromethane (Freon 11)	**21.3**		µg/kg wet		20.0		106	70-130	3	30
1,2,3-Trichloropropane	**20.6**		µg/kg wet		20.0		103	70-130	6	30
1,2,4-Trimethylbenzene	**19.7**		µg/kg wet		20.0		98	70-130	5	30
1,3,5-Trimethylbenzene	**19.6**		µg/kg wet		20.0		98	70-130	2	30
Vinyl chloride	**20.4**		µg/kg wet		20.0		102	70-130	4	30
m,p-Xylene	**38.9**		µg/kg wet		40.0		97	70-130	3	30
o-Xylene	**19.6**		µg/kg wet		20.0		98	70-130	3	30
Tetrahydrofuran	**20.8**		µg/kg wet		20.0		104	70-130	7	30
Ethyl ether	**22.1**		µg/kg wet		20.0		110	70-130	3	30
Tert-amyl methyl ether	**20.1**		µg/kg wet		20.0		100	70-130	1	30
Ethyl tert-butyl ether	**22.6**		µg/kg wet		20.0		113	70-130	1	30
Di-isopropyl ether	**20.2**		µg/kg wet		20.0		101	70-130	0.1	30
Tert-Butanol / butyl alcohol	**269**	QM9	µg/kg wet		200		135	70-130	8	30
1,4-Dioxane	**216**		µg/kg wet		200		108	70-130	6	30
trans-1,4-Dichloro-2-butene	**21.7**		µg/kg wet		20.0		108	70-130	2	30
Ethanol	**430**		µg/kg wet		400		107	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*53.4*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
Batch 1328538 - SW846 5035A Soil (high level)										
Blank (1328538-BLK1)					Prepared & Analyzed: 22-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	D	µg/kg wet	50.0						
Acetone	< 500	D	µg/kg wet	500						
Acrylonitrile	< 50.0	D	µg/kg wet	50.0						
Benzene	< 50.0	D	µg/kg wet	50.0						
Bromobenzene	< 50.0	D	µg/kg wet	50.0						
Bromochloromethane	< 50.0	D	µg/kg wet	50.0						
Bromodichloromethane	< 50.0	D	µg/kg wet	50.0						
Bromoform	< 50.0	D	µg/kg wet	50.0						
Bromomethane	< 100	D	µg/kg wet	100						
2-Butanone (MEK)	< 500	D	µg/kg wet	500						
n-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
sec-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
tert-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
Carbon disulfide	< 100	D	µg/kg wet	100						
Carbon tetrachloride	< 50.0	D	µg/kg wet	50.0						
Chlorobenzene	< 50.0	D	µg/kg wet	50.0						
Chloroethane	< 100	D	µg/kg wet	100						
Chloroform	< 50.0	D	µg/kg wet	50.0						
Chloromethane	< 100	D	µg/kg wet	100						
2-Chlorotoluene	< 50.0	D	µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328538 - SW846 5035A Soil (high level)										
Blank (1328538-BLK1)					Prepared & Analyzed: 22-Nov-13					
4-Chlorotoluene	< 50.0	D	µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100	D	µg/kg wet	100						
Dibromochloromethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0	D	µg/kg wet	50.0						
Dibromomethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100	D	µg/kg wet	100						
1,1-Dichloroethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0	D	µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
Ethylbenzene	< 50.0	D	µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0	D	µg/kg wet	50.0						
2-Hexanone (MBK)	< 500	D	µg/kg wet	500						
Isopropylbenzene	< 50.0	D	µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0	D	µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500	D	µg/kg wet	500						
Methylene chloride	< 100	D	µg/kg wet	100						
Naphthalene	< 50.0	D	µg/kg wet	50.0						
n-Propylbenzene	< 50.0	D	µg/kg wet	50.0						
Styrene	< 50.0	D	µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0						
Tetrachloroethene	< 50.0	D	µg/kg wet	50.0						
Toluene	< 50.0	D	µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0	D	µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0	D	µg/kg wet	50.0						
Trichloroethene	< 50.0	D	µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0	D	µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0	D	µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0						
Vinyl chloride	< 50.0	D	µg/kg wet	50.0						
m,p-Xylene	< 100	D	µg/kg wet	100						
o-Xylene	< 50.0	D	µg/kg wet	50.0						
Tetrahydrofuran	< 100	D	µg/kg wet	100						
Ethyl ether	< 50.0	D	µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0	D	µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328538 - SW846 5035A Soil (high level)										
Blank (1328538-BLK1)						Prepared & Analyzed: 22-Nov-13				
Di-isopropyl ether	< 50.0	D	µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500	D	µg/kg wet	500						
1,4-Dioxane	< 1000	D	µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250	D	µg/kg wet	250						
Ethanol	< 20000	D	µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.9*		µg/kg wet		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*32.4*		µg/kg wet		*30.0*		*108*	*70-130*		
LCS (1328538-BS1)						Prepared & Analyzed: 22-Nov-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.0**	D	µg/kg wet		20.0		85	70-130		
Acetone	**23.8**	D	µg/kg wet		20.0		119	70-130		
Acrylonitrile	**19.2**	D	µg/kg wet		20.0		96	70-130		
Benzene	**18.8**	D	µg/kg wet		20.0		94	70-130		
Bromobenzene	**22.5**	D	µg/kg wet		20.0		112	70-130		
Bromochloromethane	**21.0**	D	µg/kg wet		20.0		105	70-130		
Bromodichloromethane	**21.5**	D	µg/kg wet		20.0		108	70-130		
Bromoform	**23.5**	D	µg/kg wet		20.0		118	70-130		
Bromomethane	**18.5**	D	µg/kg wet		20.0		93	70-130		
2-Butanone (MEK)	**24.6**	D	µg/kg wet		20.0		123	70-130		
n-Butylbenzene	**18.8**	D	µg/kg wet		20.0		94	70-130		
sec-Butylbenzene	**20.4**	D	µg/kg wet		20.0		102	70-130		
tert-Butylbenzene	**21.1**	D	µg/kg wet		20.0		106	70-130		
Carbon disulfide	**18.6**	D	µg/kg wet		20.0		93	70-130		
Carbon tetrachloride	**21.3**	D	µg/kg wet		20.0		107	70-130		
Chlorobenzene	**20.2**	D	µg/kg wet		20.0		101	70-130		
Chloroethane	**18.1**	D	µg/kg wet		20.0		91	70-130		
Chloroform	**20.7**	D	µg/kg wet		20.0		103	70-130		
Chloromethane	**17.3**	D	µg/kg wet		20.0		87	70-130		
2-Chlorotoluene	**20.9**	D	µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	**21.1**	D	µg/kg wet		20.0		105	70-130		
1,2-Dibromo-3-chloropropane	**16.0**	D	µg/kg wet		20.0		80	70-130		
Dibromochloromethane	**23.0**	D	µg/kg wet		20.0		115	70-130		
1,2-Dibromoethane (EDB)	**21.6**	D	µg/kg wet		20.0		108	70-130		
Dibromomethane	**21.0**	D	µg/kg wet		20.0		105	70-130		
1,2-Dichlorobenzene	**21.0**	D	µg/kg wet		20.0		105	70-130		
1,3-Dichlorobenzene	**22.4**	D	µg/kg wet		20.0		112	70-130		
1,4-Dichlorobenzene	**20.2**	D	µg/kg wet		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	**19.4**	D	µg/kg wet		20.0		97	70-130		
1,1-Dichloroethane	**19.9**	D	µg/kg wet		20.0		99	70-130		
1,2-Dichloroethane	**21.8**	D	µg/kg wet		20.0		109	70-130		
1,1-Dichloroethene	**18.3**	D	µg/kg wet		20.0		91	70-130		
cis-1,2-Dichloroethene	**20.4**	D	µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	**20.4**	D	µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	**19.2**	D	µg/kg wet		20.0		96	70-130		
1,3-Dichloropropane	**20.4**	D	µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	**19.5**	D	µg/kg wet		20.0		97	70-130		
1,1-Dichloropropene	**19.6**	D	µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	**20.5**	D	µg/kg wet		20.0		102	70-130		
trans-1,3-Dichloropropene	**21.6**	D	µg/kg wet		20.0		108	70-130		
Ethylbenzene	**19.8**	D	µg/kg wet		20.0		99	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328538 - SW846 5035A Soil (high level)										
LCS (1328538-BS1)					Prepared & Analyzed: 22-Nov-13					
Hexachlorobutadiene	**23.6**	D	µg/kg wet		20.0		118	70-130		
2-Hexanone (MBK)	**19.8**	D	µg/kg wet		20.0		99	70-130		
Isopropylbenzene	**20.0**	D	µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	**19.9**	D	µg/kg wet		20.0		99	70-130		
Methyl tert-butyl ether	**21.2**	D	µg/kg wet		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	**24.5**	D	µg/kg wet		20.0		123	70-130		
Methylene chloride	**20.6**	D	µg/kg wet		20.0		103	70-130		
Naphthalene	**22.4**	D	µg/kg wet		20.0		112	70-130		
n-Propylbenzene	**20.2**	D	µg/kg wet		20.0		101	70-130		
Styrene	**21.1**	D	µg/kg wet		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	**22.9**	D	µg/kg wet		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	**21.6**	D	µg/kg wet		20.0		108	70-130		
Tetrachloroethene	**21.1**	D	µg/kg wet		20.0		106	70-130		
Toluene	**19.2**	D	µg/kg wet		20.0		96	70-130		
1,2,3-Trichlorobenzene	**25.9**	D	µg/kg wet		20.0		130	70-130		
1,2,4-Trichlorobenzene	**25.9**	D	µg/kg wet		20.0		129	70-130		
1,3,5-Trichlorobenzene	**21.4**	D	µg/kg wet		20.0		107	70-130		
1,1,1-Trichloroethane	**20.5**	D	µg/kg wet		20.0		103	70-130		
1,1,2-Trichloroethane	**21.1**	D	µg/kg wet		20.0		106	70-130		
Trichloroethene	**19.7**	D	µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	**22.0**	D	µg/kg wet		20.0		110	70-130		
1,2,3-Trichloropropane	**21.9**	D	µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	**22.1**	D	µg/kg wet		20.0		110	70-130		
1,3,5-Trimethylbenzene	**22.1**	D	µg/kg wet		20.0		110	70-130		
Vinyl chloride	**24.2**	D	µg/kg wet		20.0		121	70-130		
m,p-Xylene	**41.0**	D	µg/kg wet		40.0		102	70-130		
o-Xylene	**19.9**	D	µg/kg wet		20.0		99	70-130		
Tetrahydrofuran	**18.5**	D	µg/kg wet		20.0		92	70-130		
Ethyl ether	**19.4**	D	µg/kg wet		20.0		97	70-130		
Tert-amyl methyl ether	**19.9**	D	µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	**20.8**	D	µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	**19.3**	D	µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	**219**	D	µg/kg wet		200		110	70-130		
1,4-Dioxane	**209**	D	µg/kg wet		200		104	70-130		
trans-1,4-Dichloro-2-butene	**13.5**	QM9, D	µg/kg wet		20.0		68	70-130		
Ethanol	**326**	D	µg/kg wet		400		81	70-130		
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.1*		µg/kg wet		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*33.0*		µg/kg wet		*30.0*		*110*	*70-130*		
LCS Dup (1328538-BSD1)		QM10			Prepared & Analyzed: 22-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.7**	D	µg/kg wet		20.0		84	70-130	1	30
Acetone	**23.3**	D	µg/kg wet		20.0		117	70-130	2	30
Acrylonitrile	**20.5**	D	µg/kg wet		20.0		103	70-130	7	30
Benzene	**19.6**	D	µg/kg wet		20.0		98	70-130	4	30
Bromobenzene	**22.9**	D	µg/kg wet		20.0		114	70-130	2	30
Bromochloromethane	**22.0**	D	µg/kg wet		20.0		110	70-130	5	30
Bromodichloromethane	**22.2**	D	µg/kg wet		20.0		111	70-130	3	30
Bromoform	**24.3**	D	µg/kg wet		20.0		122	70-130	3	30
Bromomethane	**18.4**	D	µg/kg wet		20.0		92	70-130	0.5	30
2-Butanone (MEK)	**20.4**	D	µg/kg wet		20.0		102	70-130	19	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328538 - SW846 5035A Soil (high level)										
LCS Dup (1328538-BSD1)		QM10				Prepared & Analyzed: 22-Nov-13				
n-Butylbenzene	**19.2**	D	µg/kg wet		20.0		96	70-130	2	30
sec-Butylbenzene	**20.5**	D	µg/kg wet		20.0		103	70-130	0.4	30
tert-Butylbenzene	**21.6**	D	µg/kg wet		20.0		108	70-130	3	30
Carbon disulfide	**18.7**	D	µg/kg wet		20.0		93	70-130	0.2	30
Carbon tetrachloride	**21.5**	D	µg/kg wet		20.0		108	70-130	1	30
Chlorobenzene	**20.7**	D	µg/kg wet		20.0		104	70-130	2	30
Chloroethane	**18.6**	D	µg/kg wet		20.0		93	70-130	3	30
Chloroform	**20.6**	D	µg/kg wet		20.0		103	70-130	0.5	30
Chloromethane	**16.9**	D	µg/kg wet		20.0		85	70-130	2	30
2-Chlorotoluene	**21.0**	D	µg/kg wet		20.0		105	70-130	0.6	30
4-Chlorotoluene	**21.4**	D	µg/kg wet		20.0		107	70-130	2	30
1,2-Dibromo-3-chloropropane	**22.2**	QR2, D	µg/kg wet		20.0		111	70-130	33	30
Dibromochloromethane	**24.2**	D	µg/kg wet		20.0		121	70-130	5	30
1,2-Dibromoethane (EDB)	**22.9**	D	µg/kg wet		20.0		114	70-130	6	30
Dibromomethane	**22.3**	D	µg/kg wet		20.0		111	70-130	6	30
1,2-Dichlorobenzene	**21.0**	D	µg/kg wet		20.0		105	70-130	0.2	30
1,3-Dichlorobenzene	**23.0**	D	µg/kg wet		20.0		115	70-130	2	30
1,4-Dichlorobenzene	**20.1**	D	µg/kg wet		20.0		101	70-130	0.2	30
Dichlorodifluoromethane (Freon12)	**19.0**	D	µg/kg wet		20.0		95	70-130	2	30
1,1-Dichloroethane	**20.3**	D	µg/kg wet		20.0		101	70-130	2	30
1,2-Dichloroethane	**22.3**	D	µg/kg wet		20.0		112	70-130	2	30
1,1-Dichloroethene	**18.8**	D	µg/kg wet		20.0		94	70-130	3	30
cis-1,2-Dichloroethene	**20.4**	D	µg/kg wet		20.0		102	70-130	0.2	30
trans-1,2-Dichloroethene	**20.4**	D	µg/kg wet		20.0		102	70-130	0.1	30
1,2-Dichloropropane	**19.3**	D	µg/kg wet		20.0		96	70-130	0.6	30
1,3-Dichloropropane	**20.7**	D	µg/kg wet		20.0		103	70-130	1	30
2,2-Dichloropropane	**19.8**	D	µg/kg wet		20.0		99	70-130	2	30
1,1-Dichloropropene	**18.9**	D	µg/kg wet		20.0		94	70-130	4	30
cis-1,3-Dichloropropene	**20.9**	D	µg/kg wet		20.0		105	70-130	2	30
trans-1,3-Dichloropropene	**22.1**	D	µg/kg wet		20.0		110	70-130	2	30
Ethylbenzene	**20.2**	D	µg/kg wet		20.0		101	70-130	2	30
Hexachlorobutadiene	**20.7**	D	µg/kg wet		20.0		104	70-130	13	30
2-Hexanone (MBK)	**20.2**	D	µg/kg wet		20.0		101	70-130	2	30
Isopropylbenzene	**20.7**	D	µg/kg wet		20.0		104	70-130	4	30
4-Isopropyltoluene	**19.7**	D	µg/kg wet		20.0		99	70-130	0.9	30
Methyl tert-butyl ether	**21.7**	D	µg/kg wet		20.0		109	70-130	2	30
4-Methyl-2-pentanone (MIBK)	**22.7**	D	µg/kg wet		20.0		114	70-130	8	30
Methylene chloride	**20.8**	D	µg/kg wet		20.0		104	70-130	0.7	30
Naphthalene	**22.2**	D	µg/kg wet		20.0		111	70-130	0.9	30
n-Propylbenzene	**20.8**	D	µg/kg wet		20.0		104	70-130	3	30
Styrene	**22.4**	D	µg/kg wet		20.0		112	70-130	6	30
1,1,1,2-Tetrachloroethane	**24.0**	D	µg/kg wet		20.0		120	70-130	5	30
1,1,2,2-Tetrachloroethane	**22.0**	D	µg/kg wet		20.0		110	70-130	2	30
Tetrachloroethene	**21.8**	D	µg/kg wet		20.0		109	70-130	3	30
Toluene	**19.6**	D	µg/kg wet		20.0		98	70-130	2	30
1,2,3-Trichlorobenzene	**25.6**	D	µg/kg wet		20.0		128	70-130	1	30
1,2,4-Trichlorobenzene	**26.7**	QM9, D	µg/kg wet		20.0		133	70-130	3	30
1,3,5-Trichlorobenzene	**21.2**	D	µg/kg wet		20.0		106	70-130	0.8	30
1,1,1-Trichloroethane	**20.6**	D	µg/kg wet		20.0		103	70-130	0.5	30
1,1,2-Trichloroethane	**21.5**	D	µg/kg wet		20.0		108	70-130	2	30
Trichloroethene	**21.3**	D	µg/kg wet		20.0		107	70-130	8	30
Trichlorofluoromethane (Freon 11)	**21.5**	D	µg/kg wet		20.0		107	70-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328538 - SW846 5035A Soil (high level)										
LCS Dup (1328538-BSD1)		QM10			Prepared & Analyzed: 22-Nov-13					
1,2,3-Trichloropropane	**22.4**	D	µg/kg wet		20.0		112	70-130	2	30
1,2,4-Trimethylbenzene	**22.3**	D	µg/kg wet		20.0		111	70-130	0.9	30
1,3,5-Trimethylbenzene	**22.2**	D	µg/kg wet		20.0		111	70-130	0.5	30
Vinyl chloride	**23.3**	D	µg/kg wet		20.0		116	70-130	4	30
m,p-Xylene	**40.8**	D	µg/kg wet		40.0		102	70-130	0.4	30
o-Xylene	**21.0**	D	µg/kg wet		20.0		105	70-130	5	30
Tetrahydrofuran	**19.0**	D	µg/kg wet		20.0		95	70-130	3	30
Ethyl ether	**20.4**	D	µg/kg wet		20.0		102	70-130	5	30
Tert-amyl methyl ether	**19.6**	D	µg/kg wet		20.0		98	70-130	1	30
Ethyl tert-butyl ether	**20.9**	D	µg/kg wet		20.0		105	70-130	0.7	30
Di-isopropyl ether	**20.4**	D	µg/kg wet		20.0		102	70-130	5	30
Tert-Butanol / butyl alcohol	**225**	D	µg/kg wet		200		113	70-130	3	30
1,4-Dioxane	**227**	D	µg/kg wet		200		113	70-130	8	30
trans-1,4-Dichloro-2-butene	**13.9**	D	µg/kg wet		20.0		70	70-130	3	30
Ethanol	**393**	D	µg/kg wet		400		98	70-130	19	30
Surrogate: 4-Bromofluorobenzene	*32.2*		µg/kg wet		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.8*		µg/kg wet		*30.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*33.3*		µg/kg wet		*30.0*		*111*	*70-130*		
Matrix Spike (1328538-MS1)			**Source: SB80661-02RE1**		Prepared & Analyzed: 22-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.6**	D	µg/kg dry		20.0	BRL	88	70-130		
Acetone	**21.8**	D	µg/kg dry		20.0	4.6	86	70-130		
Acrylonitrile	**16.9**	D	µg/kg dry		20.0	BRL	85	70-130		
Benzene	**18.8**	D	µg/kg dry		20.0	BRL	94	70-130		
Bromobenzene	**23.3**	D	µg/kg dry		20.0	BRL	116	70-130		
Bromochloromethane	**19.3**	D	µg/kg dry		20.0	BRL	97	70-130		
Bromodichloromethane	**19.5**	D	µg/kg dry		20.0	BRL	98	70-130		
Bromoform	**19.3**	D	µg/kg dry		20.0	BRL	96	70-130		
Bromomethane	**8.4**	QM7, D	µg/kg dry		20.0	BRL	42	70-130		
2-Butanone (MEK)	**19.9**	D	µg/kg dry		20.0	BRL	100	70-130		
n-Butylbenzene	**23.3**	D	µg/kg dry		20.0	1.6	108	70-130		
sec-Butylbenzene	**23.1**	D	µg/kg dry		20.0	0.5	113	70-130		
tert-Butylbenzene	**23.1**	D	µg/kg dry		20.0	BRL	115	70-130		
Carbon disulfide	**11.5**	QM7, D	µg/kg dry		20.0	BRL	58	70-130		
Carbon tetrachloride	**20.8**	D	µg/kg dry		20.0	BRL	104	70-130		
Chlorobenzene	**19.9**	D	µg/kg dry		20.0	BRL	100	70-130		
Chloroethane	**16.0**	D	µg/kg dry		20.0	BRL	80	70-130		
Chloroform	**20.6**	D	µg/kg dry		20.0	BRL	103	70-130		
Chloromethane	**17.6**	D	µg/kg dry		20.0	BRL	88	70-130		
2-Chlorotoluene	**22.1**	D	µg/kg dry		20.0	BRL	111	70-130		
4-Chlorotoluene	**23.7**	D	µg/kg dry		20.0	BRL	119	70-130		
1,2-Dibromo-3-chloropropane	**11.6**	QM7, D	µg/kg dry		20.0	BRL	58	70-130		
Dibromochloromethane	**20.7**	D	µg/kg dry		20.0	BRL	103	70-130		
1,2-Dibromoethane (EDB)	**19.8**	D	µg/kg dry		20.0	BRL	99	70-130		
Dibromomethane	**19.2**	D	µg/kg dry		20.0	BRL	96	70-130		
1,2-Dichlorobenzene	**21.2**	D	µg/kg dry		20.0	BRL	106	70-130		
1,3-Dichlorobenzene	**23.7**	D	µg/kg dry		20.0	BRL	118	70-130		
1,4-Dichlorobenzene	**20.5**	D	µg/kg dry		20.0	BRL	103	70-130		
Dichlorodifluoromethane (Freon12)	**15.7**	D	µg/kg dry		20.0	BRL	79	70-130		
1,1-Dichloroethane	**19.6**	D	µg/kg dry		20.0	BRL	98	70-130		
1,2-Dichloroethane	**21.2**	D	µg/kg dry		20.0	BRL	106	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328538 - SW846 5035A Soil (high level)										
Matrix Spike (1328538-MS1)			**Source: SB80661-02RE1**		Prepared & Analyzed: 22-Nov-13					
1,1-Dichloroethene	**18.3**	D	µg/kg dry		20.0	BRL	92	70-130		
cis-1,2-Dichloroethene	**20.2**	D	µg/kg dry		20.0	BRL	101	70-130		
trans-1,2-Dichloroethene	**19.3**	D	µg/kg dry		20.0	BRL	97	70-130		
1,2-Dichloropropane	**18.9**	D	µg/kg dry		20.0	BRL	95	70-130		
1,3-Dichloropropane	**19.8**	D	µg/kg dry		20.0	BRL	99	70-130		
2,2-Dichloropropane	**20.0**	D	µg/kg dry		20.0	BRL	100	70-130		
1,1-Dichloropropene	**19.0**	D	µg/kg dry		20.0	BRL	95	70-130		
cis-1,3-Dichloropropene	**19.2**	D	µg/kg dry		20.0	BRL	96	70-130		
trans-1,3-Dichloropropene	**19.4**	D	µg/kg dry		20.0	BRL	97	70-130		
Ethylbenzene	**21.2**	D	µg/kg dry		20.0	1.3	100	70-130		
Hexachlorobutadiene	**20.1**	D	µg/kg dry		20.0	BRL	100	70-130		
2-Hexanone (MBK)	**18.6**	D	µg/kg dry		20.0	BRL	93	70-130		
Isopropylbenzene	**22.0**	D	µg/kg dry		20.0	BRL	110	70-130		
4-Isopropyltoluene	**22.4**	D	µg/kg dry		20.0	0.6	109	70-130		
Methyl tert-butyl ether	**20.3**	D	µg/kg dry		20.0	BRL	101	70-130		
4-Methyl-2-pentanone (MIBK)	**22.8**	D	µg/kg dry		20.0	BRL	114	70-130		
Methylene chloride	**19.3**	D	µg/kg dry		20.0	BRL	96	70-130		
Naphthalene	**24.5**	D	µg/kg dry		20.0	2.6	110	70-130		
n-Propylbenzene	**23.0**	D	µg/kg dry		20.0	1.1	110	70-130		
Styrene	**22.1**	D	µg/kg dry		20.0	BRL	111	70-130		
1,1,1,2-Tetrachloroethane	**22.2**	D	µg/kg dry		20.0	BRL	111	70-130		
1,1,2,2-Tetrachloroethane	**20.5**	D	µg/kg dry		20.0	BRL	103	70-130		
Tetrachloroethene	**21.6**	D	µg/kg dry		20.0	0.7	104	70-130		
Toluene	**21.7**	D	µg/kg dry		20.0	3.2	92	70-130		
1,2,3-Trichlorobenzene	**26.4**	QM7, D	µg/kg dry		20.0	BRL	132	70-130		
1,2,4-Trichlorobenzene	**25.5**	D	µg/kg dry		20.0	BRL	128	70-130		
1,3,5-Trichlorobenzene	**21.6**	D	µg/kg dry		20.0	BRL	108	70-130		
1,1,1-Trichloroethane	**21.4**	D	µg/kg dry		20.0	BRL	107	70-130		
1,1,2-Trichloroethane	**20.6**	D	µg/kg dry		20.0	BRL	103	70-130		
Trichloroethene	**20.6**	D	µg/kg dry		20.0	BRL	103	70-130		
Trichlorofluoromethane (Freon 11)	**22.0**	D	µg/kg dry		20.0	2.5	98	70-130		
1,2,3-Trichloropropane	**20.7**	D	µg/kg dry		20.0	BRL	103	70-130		
1,2,4-Trimethylbenzene	**35.3**	D	µg/kg dry		20.0	14.5	104	70-130		
1,3,5-Trimethylbenzene	**27.8**	D	µg/kg dry		20.0	5.5	112	70-130		
Vinyl chloride	**19.4**	D	µg/kg dry		20.0	BRL	97	70-130		
m,p-Xylene	**43.6**	D	µg/kg dry		40.0	4.1	99	70-130		
o-Xylene	**23.6**	D	µg/kg dry		20.0	3.8	99	70-130		
Tetrahydrofuran	**16.5**	D	µg/kg dry		20.0	BRL	82	70-130		
Ethyl ether	**18.4**	D	µg/kg dry		20.0	BRL	92	70-130		
Tert-amyl methyl ether	**18.6**	D	µg/kg dry		20.0	BRL	93	70-130		
Ethyl tert-butyl ether	**19.9**	D	µg/kg dry		20.0	BRL	100	70-130		
Di-isopropyl ether	**19.2**	D	µg/kg dry		20.0	BRL	96	70-130		
Tert-Butanol / butyl alcohol	**226**	D	µg/kg dry		200	BRL	113	70-130		
1,4-Dioxane	**221**	D	µg/kg dry		200	BRL	110	70-130		
trans-1,4-Dichloro-2-butene	**9.8**	QM7, D	µg/kg dry		20.0	BRL	49	70-130		
Ethanol	**392**	D	µg/kg dry		400	BRL	98	70-130		
Surrogate: 4-Bromofluorobenzene	*32.5*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.0*		µg/kg dry		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*32.2*		µg/kg dry		*30.0*		*107*	*70-130*		

Batch 1328664 - SW846 5035A Soil (high level)

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328664 - SW846 5035A Soil (high level)										
Blank (1328664-BLK1)					Prepared & Analyzed: 25-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	D	µg/kg wet	50.0						
Acetone	< 500	D	µg/kg wet	500						
Acrylonitrile	< 50.0	D	µg/kg wet	50.0						
Benzene	< 50.0	D	µg/kg wet	50.0						
Bromobenzene	< 50.0	D	µg/kg wet	50.0						
Bromochloromethane	< 50.0	D	µg/kg wet	50.0						
Bromodichloromethane	< 50.0	D	µg/kg wet	50.0						
Bromoform	< 50.0	D	µg/kg wet	50.0						
Bromomethane	< 100	D	µg/kg wet	100						
2-Butanone (MEK)	< 500	D	µg/kg wet	500						
n-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
sec-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
tert-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
Carbon disulfide	< 100	D	µg/kg wet	100						
Carbon tetrachloride	< 50.0	D	µg/kg wet	50.0						
Chlorobenzene	< 50.0	D	µg/kg wet	50.0						
Chloroethane	< 100	D	µg/kg wet	100						
Chloroform	< 50.0	D	µg/kg wet	50.0						
Chloromethane	< 100	D	µg/kg wet	100						
2-Chlorotoluene	< 50.0	D	µg/kg wet	50.0						
4-Chlorotoluene	< 50.0	D	µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100	D	µg/kg wet	100						
Dibromochloromethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0	D	µg/kg wet	50.0						
Dibromomethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100	D	µg/kg wet	100						
1,1-Dichloroethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0	D	µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
Ethylbenzene	< 50.0	D	µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0	D	µg/kg wet	50.0						
2-Hexanone (MBK)	< 500	D	µg/kg wet	500						
Isopropylbenzene	< 50.0	D	µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0	D	µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500	D	µg/kg wet	500						
Methylene chloride	< 100	D	µg/kg wet	100						
Naphthalene	< 50.0	D	µg/kg wet	50.0						
n-Propylbenzene	< 50.0	D	µg/kg wet	50.0						
Styrene	< 50.0	D	µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328664 - SW846 5035A Soil (high level)										
Blank (1328664-BLK1)					Prepared & Analyzed: 25-Nov-13					
1,1,2,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0						
Tetrachloroethene	< 50.0	D	µg/kg wet	50.0						
Toluene	< 50.0	D	µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0	D	µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0	D	µg/kg wet	50.0						
Trichloroethene	< 50.0	D	µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0	D	µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0	D	µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0						
Vinyl chloride	< 50.0	D	µg/kg wet	50.0						
m,p-Xylene	< 100	D	µg/kg wet	100						
o-Xylene	< 50.0	D	µg/kg wet	50.0						
Tetrahydrofuran	< 100	D	µg/kg wet	100						
Ethyl ether	< 50.0	D	µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0	D	µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0						
Di-isopropyl ether	< 50.0	D	µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500	D	µg/kg wet	500						
1,4-Dioxane	< 1000	D	µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250	D	µg/kg wet	250						
Ethanol	< 20000	D	µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
LCS (1328664-BS1)					Prepared & Analyzed: 25-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.2**	D	µg/kg wet		20.0		86	70-130		
Acetone	**20.1**	D	µg/kg wet		20.0		101	70-130		
Acrylonitrile	**18.7**	D	µg/kg wet		20.0		93	70-130		
Benzene	**18.8**	D	µg/kg wet		20.0		94	70-130		
Bromobenzene	**21.1**	D	µg/kg wet		20.0		106	70-130		
Bromochloromethane	**20.0**	D	µg/kg wet		20.0		100	70-130		
Bromodichloromethane	**21.0**	D	µg/kg wet		20.0		105	70-130		
Bromoform	**21.1**	D	µg/kg wet		20.0		106	70-130		
Bromomethane	**18.1**	D	µg/kg wet		20.0		91	70-130		
2-Butanone (MEK)	**18.8**	D	µg/kg wet		20.0		94	70-130		
n-Butylbenzene	**18.4**	D	µg/kg wet		20.0		92	70-130		
sec-Butylbenzene	**19.5**	D	µg/kg wet		20.0		97	70-130		
tert-Butylbenzene	**20.4**	D	µg/kg wet		20.0		102	70-130		
Carbon disulfide	**17.7**	D	µg/kg wet		20.0		88	70-130		
Carbon tetrachloride	**21.5**	D	µg/kg wet		20.0		108	70-130		
Chlorobenzene	**19.3**	D	µg/kg wet		20.0		97	70-130		
Chloroethane	**16.9**	D	µg/kg wet		20.0		85	70-130		
Chloroform	**19.6**	D	µg/kg wet		20.0		98	70-130		
Chloromethane	**15.7**	D	µg/kg wet		20.0		79	70-130		
2-Chlorotoluene	**19.4**	D	µg/kg wet		20.0		97	70-130		
4-Chlorotoluene	**19.9**	D	µg/kg wet		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328664 - SW846 5035A Soil (high level)										
LCS (1328664-BS1)					Prepared & Analyzed: 25-Nov-13					
1,2-Dibromo-3-chloropropane	**19.6**	D	µg/kg wet		20.0		98	70-130		
Dibromochloromethane	**21.9**	D	µg/kg wet		20.0		110	70-130		
1,2-Dibromoethane (EDB)	**21.2**	D	µg/kg wet		20.0		106	70-130		
Dibromomethane	**19.1**	D	µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	**20.7**	D	µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	**21.0**	D	µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	**19.2**	D	µg/kg wet		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	**14.7**	D	µg/kg wet		20.0		74	70-130		
1,1-Dichloroethane	**18.8**	D	µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	**21.0**	D	µg/kg wet		20.0		105	70-130		
1,1-Dichloroethene	**18.9**	D	µg/kg wet		20.0		95	70-130		
cis-1,2-Dichloroethene	**19.7**	D	µg/kg wet		20.0		99	70-130		
trans-1,2-Dichloroethene	**20.1**	D	µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	**18.9**	D	µg/kg wet		20.0		95	70-130		
1,3-Dichloropropane	**19.7**	D	µg/kg wet		20.0		98	70-130		
2,2-Dichloropropane	**19.6**	D	µg/kg wet		20.0		98	70-130		
1,1-Dichloropropene	**18.7**	D	µg/kg wet		20.0		94	70-130		
cis-1,3-Dichloropropene	**20.2**	D	µg/kg wet		20.0		101	70-130		
trans-1,3-Dichloropropene	**20.9**	D	µg/kg wet		20.0		104	70-130		
Ethylbenzene	**19.2**	D	µg/kg wet		20.0		96	70-130		
Hexachlorobutadiene	**22.8**	D	µg/kg wet		20.0		114	70-130		
2-Hexanone (MBK)	**18.6**	D	µg/kg wet		20.0		93	70-130		
Isopropylbenzene	**19.8**	D	µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	**19.9**	D	µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	**19.9**	D	µg/kg wet		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	**23.3**	D	µg/kg wet		20.0		117	70-130		
Methylene chloride	**22.1**	D	µg/kg wet		20.0		111	70-130		
Naphthalene	**20.5**	D	µg/kg wet		20.0		102	70-130		
n-Propylbenzene	**19.2**	D	µg/kg wet		20.0		96	70-130		
Styrene	**20.2**	D	µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	**21.8**	D	µg/kg wet		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	**18.9**	D	µg/kg wet		20.0		95	70-130		
Tetrachloroethene	**20.6**	D	µg/kg wet		20.0		103	70-130		
Toluene	**18.9**	D	µg/kg wet		20.0		95	70-130		
1,2,3-Trichlorobenzene	**23.8**	D	µg/kg wet		20.0		119	70-130		
1,2,4-Trichlorobenzene	**24.8**	D	µg/kg wet		20.0		124	70-130		
1,3,5-Trichlorobenzene	**20.8**	D	µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	**20.3**	D	µg/kg wet		20.0		102	70-130		
1,1,2-Trichloroethane	**19.0**	D	µg/kg wet		20.0		95	70-130		
Trichloroethene	**19.4**	D	µg/kg wet		20.0		97	70-130		
Trichlorofluoromethane (Freon 11)	**20.3**	D	µg/kg wet		20.0		101	70-130		
1,2,3-Trichloropropane	**19.2**	D	µg/kg wet		20.0		96	70-130		
1,2,4-Trimethylbenzene	**20.9**	D	µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	**20.8**	D	µg/kg wet		20.0		104	70-130		
Vinyl chloride	**21.0**	D	µg/kg wet		20.0		105	70-130		
m,p-Xylene	**39.9**	D	µg/kg wet		40.0		100	70-130		
o-Xylene	**19.6**	D	µg/kg wet		20.0		98	70-130		
Tetrahydrofuran	**16.6**	D	µg/kg wet		20.0		83	70-130		
Ethyl ether	**19.2**	D	µg/kg wet		20.0		96	70-130		
Tert-amyl methyl ether	**18.9**	D	µg/kg wet		20.0		94	70-130		
Ethyl tert-butyl ether	**19.6**	D	µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	**18.5**	D	µg/kg wet		20.0		92	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328664 - SW846 5035A Soil (high level)										
LCS (1328664-BS1)						Prepared & Analyzed: 25-Nov-13				
Tert-Butanol / butyl alcohol	**204**	D	µg/kg wet		200		102	70-130		
1,4-Dioxane	**223**	D	µg/kg wet		200		112	70-130		
trans-1,4-Dichloro-2-butene	**11.7**	QC2, D	µg/kg wet		20.0		58	70-130		
Ethanol	**329**	D	µg/kg wet		400		82	70-130		
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.5*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*33.1*		µg/kg wet		*30.0*		*110*	*70-130*		
LCS Dup (1328664-BSD1)						Prepared & Analyzed: 25-Nov-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.9**	D	µg/kg wet		20.0		90	70-130	4	30
Acetone	**21.0**	D	µg/kg wet		20.0		105	70-130	4	30
Acrylonitrile	**19.7**	D	µg/kg wet		20.0		99	70-130	6	30
Benzene	**18.7**	D	µg/kg wet		20.0		94	70-130	0.2	30
Bromobenzene	**20.6**	D	µg/kg wet		20.0		103	70-130	2	30
Bromochloromethane	**20.5**	D	µg/kg wet		20.0		103	70-130	2	30
Bromodichloromethane	**20.9**	D	µg/kg wet		20.0		104	70-130	0.7	30
Bromoform	**21.6**	D	µg/kg wet		20.0		108	70-130	2	30
Bromomethane	**19.1**	D	µg/kg wet		20.0		96	70-130	5	30
2-Butanone (MEK)	**19.2**	D	µg/kg wet		20.0		96	70-130	2	30
n-Butylbenzene	**18.7**	D	µg/kg wet		20.0		94	70-130	2	30
sec-Butylbenzene	**19.5**	D	µg/kg wet		20.0		98	70-130	0.2	30
tert-Butylbenzene	**20.4**	D	µg/kg wet		20.0		102	70-130	0.2	30
Carbon disulfide	**18.3**	D	µg/kg wet		20.0		92	70-130	4	30
Carbon tetrachloride	**21.6**	D	µg/kg wet		20.0		108	70-130	0.3	30
Chlorobenzene	**19.1**	D	µg/kg wet		20.0		95	70-130	1	30
Chloroethane	**17.2**	D	µg/kg wet		20.0		86	70-130	2	30
Chloroform	**20.1**	D	µg/kg wet		20.0		101	70-130	3	30
Chloromethane	**15.8**	D	µg/kg wet		20.0		79	70-130	0.8	30
2-Chlorotoluene	**19.3**	D	µg/kg wet		20.0		96	70-130	0.7	30
4-Chlorotoluene	**20.0**	D	µg/kg wet		20.0		100	70-130	0.5	30
1,2-Dibromo-3-chloropropane	**19.1**	D	µg/kg wet		20.0		96	70-130	2	30
Dibromochloromethane	**21.9**	D	µg/kg wet		20.0		110	70-130	0.1	30
1,2-Dibromoethane (EDB)	**20.4**	D	µg/kg wet		20.0		102	70-130	4	30
Dibromomethane	**19.5**	D	µg/kg wet		20.0		97	70-130	2	30
1,2-Dichlorobenzene	**20.0**	D	µg/kg wet		20.0		100	70-130	3	30
1,3-Dichlorobenzene	**21.2**	D	µg/kg wet		20.0		106	70-130	0.8	30
1,4-Dichlorobenzene	**19.0**	D	µg/kg wet		20.0		95	70-130	1	30
Dichlorodifluoromethane (Freon12)	**15.7**	D	µg/kg wet		20.0		78	70-130	6	30
1,1-Dichloroethane	**19.2**	D	µg/kg wet		20.0		96	70-130	2	30
1,2-Dichloroethane	**20.6**	D	µg/kg wet		20.0		103	70-130	2	30
1,1-Dichloroethene	**19.4**	D	µg/kg wet		20.0		97	70-130	2	30
cis-1,2-Dichloroethene	**19.5**	D	µg/kg wet		20.0		98	70-130	1	30
trans-1,2-Dichloroethene	**19.7**	D	µg/kg wet		20.0		99	70-130	2	30
1,2-Dichloropropane	**18.5**	D	µg/kg wet		20.0		92	70-130	2	30
1,3-Dichloropropane	**18.6**	D	µg/kg wet		20.0		93	70-130	6	30
2,2-Dichloropropane	**18.4**	D	µg/kg wet		20.0		92	70-130	6	30
1,1-Dichloropropene	**18.9**	D	µg/kg wet		20.0		94	70-130	0.9	30
cis-1,3-Dichloropropene	**20.6**	D	µg/kg wet		20.0		103	70-130	2	30
trans-1,3-Dichloropropene	**20.0**	D	µg/kg wet		20.0		100	70-130	4	30
Ethylbenzene	**18.8**	D	µg/kg wet		20.0		94	70-130	2	30
Hexachlorobutadiene	**22.1**	D	µg/kg wet		20.0		111	70-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328664 - SW846 5035A Soil (high level)										
LCS Dup (1328664-BSD1)					Prepared & Analyzed: 25-Nov-13					
2-Hexanone (MBK)	**16.5**	D	µg/kg wet		20.0		82	70-130	12	30
Isopropylbenzene	**19.4**	D	µg/kg wet		20.0		97	70-130	2	30
4-Isopropyltoluene	**20.0**	D	µg/kg wet		20.0		100	70-130	0.7	30
Methyl tert-butyl ether	**19.5**	D	µg/kg wet		20.0		97	70-130	2	30
4-Methyl-2-pentanone (MIBK)	**20.5**	D	µg/kg wet		20.0		102	70-130	13	30
Methylene chloride	**22.1**	D	µg/kg wet		20.0		111	70-130	0	30
Naphthalene	**19.7**	D	µg/kg wet		20.0		99	70-130	4	30
n-Propylbenzene	**19.1**	D	µg/kg wet		20.0		96	70-130	0.5	30
Styrene	**19.7**	D	µg/kg wet		20.0		99	70-130	2	30
1,1,1,2-Tetrachloroethane	**22.3**	D	µg/kg wet		20.0		112	70-130	2	30
1,1,2,2-Tetrachloroethane	**18.1**	D	µg/kg wet		20.0		91	70-130	4	30
Tetrachloroethene	**22.5**	D	µg/kg wet		20.0		112	70-130	9	30
Toluene	**19.7**	D	µg/kg wet		20.0		99	70-130	4	30
1,2,3-Trichlorobenzene	**24.3**	D	µg/kg wet		20.0		122	70-130	2	30
1,2,4-Trichlorobenzene	**24.5**	D	µg/kg wet		20.0		123	70-130	1	30
1,3,5-Trichlorobenzene	**20.4**	D	µg/kg wet		20.0		102	70-130	2	30
1,1,1-Trichloroethane	**20.7**	D	µg/kg wet		20.0		103	70-130	2	30
1,1,2-Trichloroethane	**20.4**	D	µg/kg wet		20.0		102	70-130	7	30
Trichloroethene	**20.2**	D	µg/kg wet		20.0		101	70-130	4	30
Trichlorofluoromethane (Freon 11)	**21.4**	D	µg/kg wet		20.0		107	70-130	5	30
1,2,3-Trichloropropane	**18.5**	D	µg/kg wet		20.0		93	70-130	4	30
1,2,4-Trimethylbenzene	**21.1**	D	µg/kg wet		20.0		106	70-130	0.8	30
1,3,5-Trimethylbenzene	**20.9**	D	µg/kg wet		20.0		105	70-130	0.6	30
Vinyl chloride	**23.4**	D	µg/kg wet		20.0		117	70-130	11	30
m,p-Xylene	**38.3**	D	µg/kg wet		40.0		96	70-130	4	30
o-Xylene	**19.6**	D	µg/kg wet		20.0		98	70-130	0.3	30
Tetrahydrofuran	**16.9**	D	µg/kg wet		20.0		85	70-130	2	30
Ethyl ether	**19.4**	D	µg/kg wet		20.0		97	70-130	1	30
Tert-amyl methyl ether	**18.8**	D	µg/kg wet		20.0		94	70-130	0.3	30
Ethyl tert-butyl ether	**19.6**	D	µg/kg wet		20.0		98	70-130	0.2	30
Di-isopropyl ether	**18.4**	D	µg/kg wet		20.0		92	70-130	0.3	30
Tert-Butanol / butyl alcohol	**186**	D	µg/kg wet		200		93	70-130	9	30
1,4-Dioxane	**197**	D	µg/kg wet		200		99	70-130	12	30
trans-1,4-Dichloro-2-butene	**12.1**	QC2, D	µg/kg wet		20.0		61	70-130	4	30
Ethanol	**309**	D	µg/kg wet		400		77	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*32.0*		µg/kg wet		*30.0*		*107*	*70-130*		
Batch 1328813 - VPH - EPA 5035A Soil										
Blank (1328813-BLK1)					Prepared & Analyzed: 27-Nov-13					
Gasoline Range Organics	< 3.8	D	mg/kg wet	3.8						
Surrogate: 2,5-Dibromotoluene (PID)	*52.7*		mg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*47.8*		mg/kg wet		*50.0*		*96*	*70-130*		
LCS (1328813-BS1)					Prepared & Analyzed: 27-Nov-13					
Gasoline Range Organics	**318**	D	mg/kg wet		280		113	70-130		
Surrogate: 2,5-Dibromotoluene (PID)	*56.1*		mg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*52.2*		mg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (1328813-BSD1)					Prepared & Analyzed: 27-Nov-13					
Gasoline Range Organics	**310**	D	mg/kg wet		280		111	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328813 - VPH - EPA 5035A Soil										
LCS Dup (1328813-BSD1)						Prepared & Analyzed: 27-Nov-13				
Surrogate: 2,5-Dibromotoluene (PID)	*53.9*		mg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*50.3*		mg/kg wet		*50.0*		*101*	*70-130*		
Batch 1328839 - SW846 5035A Soil (high level)										
Blank (1328839-BLK1)						Prepared & Analyzed: 27-Nov-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	D	µg/kg wet	50.0						
Acetone	< 500	D	µg/kg wet	500						
Acrylonitrile	< 50.0	D	µg/kg wet	50.0						
Benzene	< 50.0	D	µg/kg wet	50.0						
Bromobenzene	< 50.0	D	µg/kg wet	50.0						
Bromochloromethane	< 50.0	D	µg/kg wet	50.0						
Bromodichloromethane	< 50.0	D	µg/kg wet	50.0						
Bromoform	< 50.0	D	µg/kg wet	50.0						
Bromomethane	< 100	D	µg/kg wet	100						
2-Butanone (MEK)	< 500	D	µg/kg wet	500						
n-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
sec-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
tert-Butylbenzene	< 50.0	D	µg/kg wet	50.0						
Carbon disulfide	< 100	D	µg/kg wet	100						
Carbon tetrachloride	< 50.0	D	µg/kg wet	50.0						
Chlorobenzene	< 50.0	D	µg/kg wet	50.0						
Chloroethane	< 100	D	µg/kg wet	100						
Chloroform	< 50.0	D	µg/kg wet	50.0						
Chloromethane	< 100	D	µg/kg wet	100						
2-Chlorotoluene	< 50.0	D	µg/kg wet	50.0						
4-Chlorotoluene	< 50.0	D	µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100	D	µg/kg wet	100						
Dibromochloromethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0	D	µg/kg wet	50.0						
Dibromomethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0	D	µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100	D	µg/kg wet	100						
1,1-Dichloroethane	< 50.0	D	µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0	D	µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0	D	µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0	D	µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0	D	µg/kg wet	50.0						
Ethylbenzene	< 50.0	D	µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0	D	µg/kg wet	50.0						
2-Hexanone (MBK)	< 500	D	µg/kg wet	500						
Isopropylbenzene	< 50.0	D	µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0	D	µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500	D	µg/kg wet	500						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328839 - SW846 5035A Soil (high level)										
Blank (1328839-BLK1)					Prepared & Analyzed: 27-Nov-13					
Methylene chloride	< 100	D	µg/kg wet	100						
Naphthalene	< 50.0	D	µg/kg wet	50.0						
n-Propylbenzene	< 50.0	D	µg/kg wet	50.0						
Styrene	< 50.0	D	µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	< 50.0	D	µg/kg wet	50.0						
Tetrachloroethene	< 50.0	D	µg/kg wet	50.0						
Toluene	< 50.0	D	µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0	D	µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0	D	µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0	D	µg/kg wet	50.0						
Trichloroethene	< 50.0	D	µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0	D	µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0	D	µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0	D	µg/kg wet	50.0						
Vinyl chloride	< 50.0	D	µg/kg wet	50.0						
m,p-Xylene	< 100	D	µg/kg wet	100						
o-Xylene	< 50.0	D	µg/kg wet	50.0						
Tetrahydrofuran	< 100	D	µg/kg wet	100						
Ethyl ether	< 50.0	D	µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0	D	µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0	D	µg/kg wet	50.0						
Di-isopropyl ether	< 50.0	D	µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500	D	µg/kg wet	500						
1,4-Dioxane	< 1000	D	µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250	D	µg/kg wet	250						
Ethanol	< 20000	D	µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.0*		µg/kg wet		*30.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*32.0*		µg/kg wet		*30.0*		*107*	*70-130*		
LCS (1328839-BS1)					Prepared & Analyzed: 27-Nov-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.6**	D	µg/kg wet		20.0		98	70-130		
Acetone	**21.7**	D	µg/kg wet		20.0		109	70-130		
Acrylonitrile	**20.3**	D	µg/kg wet		20.0		102	70-130		
Benzene	**18.5**	D	µg/kg wet		20.0		93	70-130		
Bromobenzene	**22.2**	D	µg/kg wet		20.0		111	70-130		
Bromochloromethane	**19.7**	D	µg/kg wet		20.0		99	70-130		
Bromodichloromethane	**21.0**	D	µg/kg wet		20.0		105	70-130		
Bromoform	**21.8**	D	µg/kg wet		20.0		109	70-130		
Bromomethane	**19.6**	D	µg/kg wet		20.0		98	70-130		
2-Butanone (MEK)	**19.2**	D	µg/kg wet		20.0		96	70-130		
n-Butylbenzene	**18.4**	D	µg/kg wet		20.0		92	70-130		
sec-Butylbenzene	**20.4**	D	µg/kg wet		20.0		102	70-130		
tert-Butylbenzene	**20.7**	D	µg/kg wet		20.0		104	70-130		
Carbon disulfide	**17.6**	D	µg/kg wet		20.0		88	70-130		
Carbon tetrachloride	**23.2**	D	µg/kg wet		20.0		116	70-130		
Chlorobenzene	**19.4**	D	µg/kg wet		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328839 - SW846 5035A Soil (high level)										
LCS (1328839-BS1)					Prepared & Analyzed: 27-Nov-13					
Chloroethane	**18.7**	D	µg/kg wet		20.0		93	70-130		
Chloroform	**20.0**	D	µg/kg wet		20.0		100	70-130		
Chloromethane	**18.0**	D	µg/kg wet		20.0		90	70-130		
2-Chlorotoluene	**20.3**	D	µg/kg wet		20.0		101	70-130		
4-Chlorotoluene	**21.1**	D	µg/kg wet		20.0		105	70-130		
1,2-Dibromo-3-chloropropane	**18.7**	D	µg/kg wet		20.0		94	70-130		
Dibromochloromethane	**22.1**	D	µg/kg wet		20.0		110	70-130		
1,2-Dibromoethane (EDB)	**20.7**	D	µg/kg wet		20.0		103	70-130		
Dibromomethane	**20.0**	D	µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	**19.8**	D	µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	**22.0**	D	µg/kg wet		20.0		110	70-130		
1,4-Dichlorobenzene	**19.3**	D	µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	**22.8**	D	µg/kg wet		20.0		114	70-130		
1,1-Dichloroethane	**19.5**	D	µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	**21.7**	D	µg/kg wet		20.0		108	70-130		
1,1-Dichloroethene	**20.1**	D	µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	**20.2**	D	µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	**20.2**	D	µg/kg wet		20.0		101	70-130		
1,2-Dichloropropane	**19.0**	D	µg/kg wet		20.0		95	70-130		
1,3-Dichloropropane	**19.8**	D	µg/kg wet		20.0		99	70-130		
2,2-Dichloropropane	**22.1**	D	µg/kg wet		20.0		111	70-130		
1,1-Dichloropropene	**20.0**	D	µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	**20.6**	D	µg/kg wet		20.0		103	70-130		
trans-1,3-Dichloropropene	**21.4**	D	µg/kg wet		20.0		107	70-130		
Ethylbenzene	**19.6**	D	µg/kg wet		20.0		98	70-130		
Hexachlorobutadiene	**21.6**	D	µg/kg wet		20.0		108	70-130		
2-Hexanone (MBK)	**18.4**	D	µg/kg wet		20.0		92	70-130		
Isopropylbenzene	**20.5**	D	µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	**19.5**	D	µg/kg wet		20.0		97	70-130		
Methyl tert-butyl ether	**20.4**	D	µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	**20.0**	D	µg/kg wet		20.0		100	70-130		
Methylene chloride	**19.2**	D	µg/kg wet		20.0		96	70-130		
Naphthalene	**18.1**	D	µg/kg wet		20.0		90	70-130		
n-Propylbenzene	**20.1**	D	µg/kg wet		20.0		101	70-130		
Styrene	**20.8**	D	µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	**22.5**	D	µg/kg wet		20.0		113	70-130		
1,1,2,2-Tetrachloroethane	**19.4**	D	µg/kg wet		20.0		97	70-130		
Tetrachloroethene	**22.5**	D	µg/kg wet		20.0		112	70-130		
Toluene	**19.6**	D	µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	**21.1**	D	µg/kg wet		20.0		106	70-130		
1,2,4-Trichlorobenzene	**23.2**	D	µg/kg wet		20.0		116	70-130		
1,3,5-Trichlorobenzene	**20.3**	D	µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	**21.8**	D	µg/kg wet		20.0		109	70-130		
1,1,2-Trichloroethane	**20.2**	D	µg/kg wet		20.0		101	70-130		
Trichloroethene	**19.9**	D	µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	**24.7**	D	µg/kg wet		20.0		123	70-130		
1,2,3-Trichloropropane	**20.0**	D	µg/kg wet		20.0		100	70-130		
1,2,4-Trimethylbenzene	**22.5**	D	µg/kg wet		20.0		113	70-130		
1,3,5-Trimethylbenzene	**21.4**	D	µg/kg wet		20.0		107	70-130		
Vinyl chloride	**26.2**	QC2, D	µg/kg wet		20.0		131	70-130		
m,p-Xylene	**39.0**	D	µg/kg wet		40.0		98	70-130		
o-Xylene	**19.4**	D	µg/kg wet		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328839 - SW846 5035A Soil (high level)										
LCS (1328839-BS1)						Prepared & Analyzed: 27-Nov-13				
Tetrahydrofuran	**17.2**	D	µg/kg wet		20.0		86	70-130		
Ethyl ether	**20.0**	D	µg/kg wet		20.0		100	70-130		
Tert-amyl methyl ether	**19.1**	D	µg/kg wet		20.0		96	70-130		
Ethyl tert-butyl ether	**20.0**	D	µg/kg wet		20.0		100	70-130		
Di-isopropyl ether	**18.5**	D	µg/kg wet		20.0		93	70-130		
Tert-Butanol / butyl alcohol	**218**	D	µg/kg wet		200		109	70-130		
1,4-Dioxane	**228**	D	µg/kg wet		200		114	70-130		
trans-1,4-Dichloro-2-butene	**18.7**	D	µg/kg wet		20.0		94	70-130		
Ethanol	**340**	D	µg/kg wet		400		85	70-130		
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.0*		µg/kg wet		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*33.3*		µg/kg wet		*30.0*		*111*	*70-130*		
LCS Dup (1328839-BSD1)						Prepared & Analyzed: 27-Nov-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.6**	D	µg/kg wet		20.0		103	70-130	5	30
Acetone	**20.3**	D	µg/kg wet		20.0		101	70-130	7	30
Acrylonitrile	**18.9**	D	µg/kg wet		20.0		94	70-130	7	30
Benzene	**19.2**	D	µg/kg wet		20.0		96	70-130	4	30
Bromobenzene	**21.8**	D	µg/kg wet		20.0		109	70-130	1	30
Bromochloromethane	**20.2**	D	µg/kg wet		20.0		101	70-130	3	30
Bromodichloromethane	**21.6**	D	µg/kg wet		20.0		108	70-130	3	30
Bromoform	**22.1**	D	µg/kg wet		20.0		110	70-130	1	30
Bromomethane	**18.2**	D	µg/kg wet		20.0		91	70-130	8	30
2-Butanone (MEK)	**21.1**	D	µg/kg wet		20.0		105	70-130	9	30
n-Butylbenzene	**19.7**	D	µg/kg wet		20.0		98	70-130	7	30
sec-Butylbenzene	**20.5**	D	µg/kg wet		20.0		102	70-130	0.2	30
tert-Butylbenzene	**21.1**	D	µg/kg wet		20.0		106	70-130	2	30
Carbon disulfide	**18.0**	D	µg/kg wet		20.0		90	70-130	2	30
Carbon tetrachloride	**23.2**	D	µg/kg wet		20.0		116	70-130	0.09	30
Chlorobenzene	**19.7**	D	µg/kg wet		20.0		98	70-130	2	30
Chloroethane	**18.1**	D	µg/kg wet		20.0		91	70-130	3	30
Chloroform	**20.4**	D	µg/kg wet		20.0		102	70-130	2	30
Chloromethane	**17.8**	D	µg/kg wet		20.0		89	70-130	1	30
2-Chlorotoluene	**20.2**	D	µg/kg wet		20.0		101	70-130	0.3	30
4-Chlorotoluene	**21.0**	D	µg/kg wet		20.0		105	70-130	0.6	30
1,2-Dibromo-3-chloropropane	**20.7**	D	µg/kg wet		20.0		104	70-130	10	30
Dibromochloromethane	**22.0**	D	µg/kg wet		20.0		110	70-130	0.2	30
1,2-Dibromoethane (EDB)	**20.9**	D	µg/kg wet		20.0		104	70-130	1	30
Dibromomethane	**20.2**	D	µg/kg wet		20.0		101	70-130	1	30
1,2-Dichlorobenzene	**20.2**	D	µg/kg wet		20.0		101	70-130	2	30
1,3-Dichlorobenzene	**22.1**	D	µg/kg wet		20.0		111	70-130	0.5	30
1,4-Dichlorobenzene	**19.8**	D	µg/kg wet		20.0		99	70-130	2	30
Dichlorodifluoromethane (Freon12)	**23.8**	D	µg/kg wet		20.0		119	70-130	4	30
1,1-Dichloroethane	**19.4**	D	µg/kg wet		20.0		97	70-130	0.5	30
1,2-Dichloroethane	**21.5**	D	µg/kg wet		20.0		107	70-130	1	30
1,1-Dichloroethene	**21.0**	D	µg/kg wet		20.0		105	70-130	4	30
cis-1,2-Dichloroethene	**19.8**	D	µg/kg wet		20.0		99	70-130	2	30
trans-1,2-Dichloroethene	**20.5**	D	µg/kg wet		20.0		102	70-130	1	30
1,2-Dichloropropane	**18.2**	D	µg/kg wet		20.0		91	70-130	4	30
1,3-Dichloropropane	**19.1**	D	µg/kg wet		20.0		95	70-130	4	30
2,2-Dichloropropane	**22.8**	D	µg/kg wet		20.0		114	70-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328839 - SW846 5035A Soil (high level)										
LCS Dup (1328839-BSD1)					Prepared & Analyzed: 27-Nov-13					
1,1-Dichloropropene	**20.4**	D	µg/kg wet		20.0		102	70-130	2	30
cis-1,3-Dichloropropene	**20.4**	D	µg/kg wet		20.0		102	70-130	1	30
trans-1,3-Dichloropropene	**21.7**	D	µg/kg wet		20.0		108	70-130	1	30
Ethylbenzene	**19.9**	D	µg/kg wet		20.0		99	70-130	1	30
Hexachlorobutadiene	**23.0**	D	µg/kg wet		20.0		115	70-130	7	30
2-Hexanone (MBK)	**18.1**	D	µg/kg wet		20.0		91	70-130	1	30
Isopropylbenzene	**20.6**	D	µg/kg wet		20.0		103	70-130	0.1	30
4-Isopropyltoluene	**20.9**	D	µg/kg wet		20.0		104	70-130	7	30
Methyl tert-butyl ether	**20.4**	D	µg/kg wet		20.0		102	70-130	0.2	30
4-Methyl-2-pentanone (MIBK)	**22.5**	D	µg/kg wet		20.0		112	70-130	12	30
Methylene chloride	**19.7**	D	µg/kg wet		20.0		99	70-130	3	30
Naphthalene	**18.3**	D	µg/kg wet		20.0		91	70-130	1	30
n-Propylbenzene	**20.5**	D	µg/kg wet		20.0		102	70-130	2	30
Styrene	**20.5**	D	µg/kg wet		20.0		103	70-130	1	30
1,1,1,2-Tetrachloroethane	**22.1**	D	µg/kg wet		20.0		111	70-130	2	30
1,1,2,2-Tetrachloroethane	**19.4**	D	µg/kg wet		20.0		97	70-130	0.3	30
Tetrachloroethene	**21.9**	D	µg/kg wet		20.0		110	70-130	2	30
Toluene	**19.6**	D	µg/kg wet		20.0		98	70-130	0.4	30
1,2,3-Trichlorobenzene	**22.2**	D	µg/kg wet		20.0		111	70-130	5	30
1,2,4-Trichlorobenzene	**23.7**	D	µg/kg wet		20.0		118	70-130	2	30
1,3,5-Trichlorobenzene	**21.0**	D	µg/kg wet		20.0		105	70-130	3	30
1,1,1-Trichloroethane	**21.7**	D	µg/kg wet		20.0		109	70-130	0.5	30
1,1,2-Trichloroethane	**19.7**	D	µg/kg wet		20.0		99	70-130	2	30
Trichloroethene	**20.4**	D	µg/kg wet		20.0		102	70-130	3	30
Trichlorofluoromethane (Freon 11)	**24.7**	D	µg/kg wet		20.0		124	70-130	0.2	30
1,2,3-Trichloropropane	**19.5**	D	µg/kg wet		20.0		97	70-130	3	30
1,2,4-Trimethylbenzene	**21.9**	D	µg/kg wet		20.0		110	70-130	3	30
1,3,5-Trimethylbenzene	**22.1**	D	µg/kg wet		20.0		111	70-130	3	30
Vinyl chloride	**26.8**	QC2, D	µg/kg wet		20.0		134	70-130	2	30
m,p-Xylene	**40.0**	D	µg/kg wet		40.0		100	70-130	2	30
o-Xylene	**20.0**	D	µg/kg wet		20.0		100	70-130	3	30
Tetrahydrofuran	**16.9**	D	µg/kg wet		20.0		85	70-130	2	30
Ethyl ether	**19.9**	D	µg/kg wet		20.0		100	70-130	0.3	30
Tert-amyl methyl ether	**19.4**	D	µg/kg wet		20.0		97	70-130	2	30
Ethyl tert-butyl ether	**19.6**	D	µg/kg wet		20.0		98	70-130	2	30
Di-isopropyl ether	**18.9**	D	µg/kg wet		20.0		95	70-130	2	30
Tert-Butanol / butyl alcohol	**220**	D	µg/kg wet		200		110	70-130	1	30
1,4-Dioxane	**210**	D	µg/kg wet		200		105	70-130	8	30
trans-1,4-Dichloro-2-butene	**19.1**	D	µg/kg wet		20.0		95	70-130	2	30
Ethanol	**304**	D	µg/kg wet		400		76	70-130	11	30
Surrogate: 4-Bromofluorobenzene	*30.7*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.1*		µg/kg wet		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
Batch 1328928 - VPH - EPA 5035A Soil										
Blank (1328928-BLK1)					Prepared & Analyzed: 01-Dec-13					
Gasoline Range Organics	< 3.8	D	mg/kg wet	3.8						
Surrogate: 2,5-Dibromotoluene (PID)	*56.1*		mg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*50.7*		mg/kg wet		*50.0*		*101*	*70-130*		
LCS (1328928-BS1)					Prepared & Analyzed: 01-Dec-13					
Gasoline Range Organics	**307**	D	mg/kg wet		280		110	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328928 - VPH - EPA 5035A Soil										
LCS (1328928-BS1)					Prepared & Analyzed: 01-Dec-13					
Surrogate: 2,5-Dibromotoluene (PID)	*64.3*		mg/kg wet		*50.0*		*129*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*62.2*		mg/kg wet		*50.0*		*124*	*70-130*		
LCS Dup (1328928-BSD1)					Prepared & Analyzed: 01-Dec-13					
Gasoline Range Organics	**294**	D	mg/kg wet		280		105	70-130	4	25
Surrogate: 2,5-Dibromotoluene (PID)	*63.7*		mg/kg wet		*50.0*		*127*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*62.6*		mg/kg wet		*50.0*		*125*	*70-130*		
Duplicate (1328928-DUP1)			**Source: SB80661-10**		Prepared & Analyzed: 01-Dec-13					
Gasoline Range Organics	**3.6**	J,D	mg/kg dry	5.3		3.6			0.5	30
Surrogate: 2,5-Dibromotoluene (PID)	*54.5*		mg/kg dry		*50.0*		*109*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*49.4*		mg/kg dry		*50.0*		*99*	*70-130*		
Matrix Spike (1328928-MS1)			**Source: SB80661-10**		Prepared & Analyzed: 01-Dec-13					
Gasoline Range Organics	**340**	D	mg/kg dry		280	58.6	101	70-130		
Surrogate: 2,5-Dibromotoluene (PID)	*57.5*		mg/kg dry		*50.0*		*115*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*51.4*		mg/kg dry		*50.0*		*103*	*70-130*		
Batch 1328967 - VPH - EPA 5035A Soil										
Blank (1328967-BLK1)					Prepared & Analyzed: 02-Dec-13					
Gasoline Range Organics	< 3.8	D	mg/kg wet	3.8						
Surrogate: 2,5-Dibromotoluene (PID)	*64.6*		mg/kg wet		*50.0*		*129*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*58.9*		mg/kg wet		*50.0*		*118*	*70-130*		
LCS (1328967-BS1)					Prepared & Analyzed: 02-Dec-13					
Gasoline Range Organics	**302**	D	mg/kg wet		280		108	70-130		
Surrogate: 2,5-Dibromotoluene (PID)	*59.1*		mg/kg wet		*50.0*		*118*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*53.2*		mg/kg wet		*50.0*		*106*	*70-130*		
LCS Dup (1328967-BSD1)					Prepared & Analyzed: 02-Dec-13					
Gasoline Range Organics	**321**	D	mg/kg wet		280		115	70-130	6	25
Surrogate: 2,5-Dibromotoluene (PID)	*60.0*		mg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*52.0*		mg/kg wet		*50.0*		*104*	*70-130*		
Duplicate (1328967-DUP1)			**Source: SB80661-13**		Prepared & Analyzed: 02-Dec-13					
Gasoline Range Organics	**7.1**	J,D	mg/kg dry	7.3		7.5			6	30
Surrogate: 2,5-Dibromotoluene (PID)	*51.4*		mg/kg dry		*50.0*		*103*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*46.8*		mg/kg dry		*50.0*		*94*	*70-130*		
Matrix Spike (1328967-MS1)			**Source: SB80661-13**		Prepared & Analyzed: 02-Dec-13					
Gasoline Range Organics	**395**	D	mg/kg dry		280	94.1	108	70-130		
Surrogate: 2,5-Dibromotoluene (PID)	*62.7*		mg/kg dry		*50.0*		*125*	*70-130*		
Surrogate: 2,5-Dibromotoluene (FID)	*55.3*		mg/kg dry		*50.0*		*111*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328443 - SW846 3545A										
Blank (1328443-BLK1)					Prepared: 22-Nov-13 Analyzed: 25-Nov-13					
Acenaphthene	< 167		µg/kg wet	167						
Acenaphthylene	< 167		µg/kg wet	167						
Anthracene	< 167		µg/kg wet	167						
Benzo (a) anthracene	< 167		µg/kg wet	167						
Benzo (a) pyrene	< 167		µg/kg wet	167						
Benzo (b) fluoranthene	< 167		µg/kg wet	167						
Benzo (g,h,i) perylene	< 167		µg/kg wet	167						
Benzo (k) fluoranthene	< 167		µg/kg wet	167						
Chrysene	< 167		µg/kg wet	167						
Dibenzo (a,h) anthracene	< 167		µg/kg wet	167						
Fluoranthene	< 167		µg/kg wet	167						
Fluorene	< 167		µg/kg wet	167						
Indeno (1,2,3-cd) pyrene	< 167		µg/kg wet	167						
1-Methylnaphthalene	< 167		µg/kg wet	167						
2-Methylnaphthalene	< 167		µg/kg wet	167						
Naphthalene	< 167		µg/kg wet	167						
Phenanthrene	< 167		µg/kg wet	167						
Pyrene	< 167		µg/kg wet	167						
Surrogate: 2-Fluorobiphenyl	*722*		µg/kg wet		*1670*		*43*	*30-130*		
Surrogate: Terphenyl-dl4	*982*		µg/kg wet		*1670*		*59*	*30-130*		
LCS (1328443-BS1)					Prepared: 22-Nov-13 Analyzed: 25-Nov-13					
Acenaphthene	**1150**		µg/kg wet	167	1660		69	40-140		
Acenaphthylene	**1160**		µg/kg wet	167	1660		70	40-140		
Anthracene	**1320**		µg/kg wet	167	1660		80	40-140		
Benzo (a) anthracene	**1320**		µg/kg wet	167	1660		79	40-140		
Benzo (a) pyrene	**1290**		µg/kg wet	167	1660		78	40-140		
Benzo (b) fluoranthene	**1210**		µg/kg wet	167	1660		73	40-140		
Benzo (g,h,i) perylene	**1250**		µg/kg wet	167	1660		75	40-140		
Benzo (k) fluoranthene	**1360**		µg/kg wet	167	1660		82	40-140		
Chrysene	**1270**		µg/kg wet	167	1660		76	40-140		
Dibenzo (a,h) anthracene	**1320**		µg/kg wet	167	1660		79	40-140		
Fluoranthene	**1300**		µg/kg wet	167	1660		78	40-140		
Fluorene	**1180**		µg/kg wet	167	1660		71	40-140		
Indeno (1,2,3-cd) pyrene	**1300**		µg/kg wet	167	1660		78	40-140		
1-Methylnaphthalene	**1190**		µg/kg wet	167	1660		72	40-140		
2-Methylnaphthalene	**1190**		µg/kg wet	167	1660		72	40-140		
Naphthalene	**1050**		µg/kg wet	167	1660		63	40-140		
Phenanthrene	**1220**		µg/kg wet	167	1660		74	40-140		
Pyrene	**1370**		µg/kg wet	167	1660		83	40-140		
Surrogate: 2-Fluorobiphenyl	*1380*		µg/kg wet		*1660*		*83*	*30-130*		
Surrogate: Terphenyl-dl4	*1600*		µg/kg wet		*1660*		*96*	*30-130*		
Duplicate (1328443-DUP1)			**Source: SB80661-17**			Prepared: 22-Nov-13 Analyzed: 26-Nov-13				
Acenaphthene	< 186		µg/kg dry	186		BRL				30
Acenaphthylene	< 186		µg/kg dry	186		BRL				30
Anthracene	< 186		µg/kg dry	186		BRL				30
Benzo (a) anthracene	< 186		µg/kg dry	186		BRL				30
Benzo (a) pyrene	< 186		µg/kg dry	186		BRL				30
Benzo (b) fluoranthene	< 186		µg/kg dry	186		BRL				30
Benzo (g,h,i) perylene	< 186		µg/kg dry	186		BRL				30
Benzo (k) fluoranthene	< 186		µg/kg dry	186		BRL				30
Chrysene	< 186		µg/kg dry	186		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328443 - SW846 3545A										
Duplicate (1328443-DUP1)			**Source: SB80661-17**		Prepared: 22-Nov-13	Analyzed: 26-Nov-13				
Dibenzo (a,h) anthracene	< 186		µg/kg dry	186		BRL				30
Fluoranthene	< 186		µg/kg dry	186		BRL				30
Fluorene	< 186		µg/kg dry	186		BRL				30
Indeno (1,2,3-cd) pyrene	< 186		µg/kg dry	186		BRL				30
1-Methylnaphthalene	**212**		µg/kg dry	186		273			25	30
2-Methylnaphthalene	**701**		µg/kg dry	186		786			12	30
Naphthalene	**995**	QM4	µg/kg dry	186		1400			34	30
Phenanthrene	< 186		µg/kg dry	186		BRL				30
Pyrene	< 186		µg/kg dry	186		BRL				30
Surrogate: 2-Fluorobiphenyl	*1060*		µg/kg dry		*1850*		*57*	*30-130*		
Surrogate: Terphenyl-dl4	*1590*		µg/kg dry		*1850*		*86*	*30-130*		
Matrix Spike (1328443-MS1)			**Source: SB80661-17**		Prepared: 22-Nov-13	Analyzed: 26-Nov-13				
Acenaphthene	**1200**		µg/kg dry	186	1850	BRL	65	40-140		
Acenaphthylene	**1120**		µg/kg dry	186	1850	BRL	61	40-140		
Anthracene	**1200**		µg/kg dry	186	1850	BRL	65	40-140		
Benzo (a) anthracene	**1420**		µg/kg dry	186	1850	BRL	77	40-140		
Benzo (a) pyrene	**1270**		µg/kg dry	186	1850	BRL	69	40-140		
Benzo (b) fluoranthene	**1510**		µg/kg dry	186	1850	BRL	81	40-140		
Benzo (g,h,i) perylene	**1080**		µg/kg dry	186	1850	BRL	58	40-140		
Benzo (k) fluoranthene	**1100**		µg/kg dry	186	1850	BRL	60	40-140		
Chrysene	**1340**		µg/kg dry	186	1850	BRL	72	40-140		
Dibenzo (a,h) anthracene	**1150**		µg/kg dry	186	1850	BRL	62	40-140		
Fluoranthene	**1430**		µg/kg dry	186	1850	BRL	77	40-140		
Fluorene	**1290**		µg/kg dry	186	1850	BRL	69	40-140		
Indeno (1,2,3-cd) pyrene	**1190**		µg/kg dry	186	1850	BRL	64	40-140		
1-Methylnaphthalene	**1150**		µg/kg dry	186	1850	273	48	40-140		
2-Methylnaphthalene	**2450**		µg/kg dry	186	1850	786	90	40-140		
Naphthalene	**2350**		µg/kg dry	186	1850	1400	52	40-140		
Phenanthrene	**1320**		µg/kg dry	186	1850	BRL	71	40-140		
Pyrene	**1200**		µg/kg dry	186	1850	BRL	65	40-140		
Surrogate: 2-Fluorobiphenyl	*1110*		µg/kg dry		*1850*		*60*	*30-130*		
Surrogate: Terphenyl-dl4	*1110*		µg/kg dry		*1850*		*60*	*30-130*		
Matrix Spike Dup (1328443-MSD1)			**Source: SB80661-17**		Prepared: 22-Nov-13	Analyzed: 26-Nov-13				
Acenaphthene	**808**	QR2	µg/kg dry	185	1850	BRL	44	40-140	39	30
Acenaphthylene	**770**	QR2	µg/kg dry	185	1850	BRL	42	40-140	37	30
Anthracene	**856**	QR2	µg/kg dry	185	1850	BRL	46	40-140	34	30
Benzo (a) anthracene	**1040**	QR2	µg/kg dry	185	1850	BRL	56	40-140	31	30
Benzo (a) pyrene	**924**	QR2	µg/kg dry	185	1850	BRL	50	40-140	31	30
Benzo (b) fluoranthene	**1230**		µg/kg dry	185	1850	BRL	66	40-140	20	30
Benzo (g,h,i) perylene	**839**		µg/kg dry	185	1850	BRL	45	40-140	24	30
Benzo (k) fluoranthene	**978**		µg/kg dry	185	1850	BRL	53	40-140	12	30
Chrysene	**940**	QR2	µg/kg dry	185	1850	BRL	51	40-140	35	30
Dibenzo (a,h) anthracene	**862**		µg/kg dry	185	1850	BRL	47	40-140	29	30
Fluoranthene	**1250**		µg/kg dry	185	1850	BRL	68	40-140	13	30
Fluorene	**744**	QR2	µg/kg dry	185	1850	BRL	40	40-140	53	30
Indeno (1,2,3-cd) pyrene	**890**		µg/kg dry	185	1850	BRL	48	40-140	29	30
1-Methylnaphthalene	**678**	QM7	µg/kg dry	185	1850	273	22	40-140	74	30
2-Methylnaphthalene	**1590**	QR2	µg/kg dry	185	1850	786	44	40-140	69	30
Naphthalene	**1730**	QM7	µg/kg dry	185	1850	1400	18	40-140	96	30
Phenanthrene	**956**	QR2	µg/kg dry	185	1850	BRL	52	40-140	32	30
Pyrene	**1080**		µg/kg dry	185	1850	BRL	58	40-140	10	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328443 - SW846 3545A										
Matrix Spike Dup (1328443-MSD1)			**Source: SB80661-17**		Prepared: 22-Nov-13 Analyzed: 26-Nov-13					
Surrogate: 2-Fluorobiphenyl	*852*		µg/kg dry		*1850*		*46*	*30-130*		
Surrogate: Terphenyl-dl4	*947*		µg/kg dry		*1850*		*51*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328441 - SW846 3550C										
Blank (1328441-BLK1)						Prepared: 22-Nov-13	Analyzed: 23-Nov-13			
Fuel Oil #2	< 26.6		mg/kg wet	26.6						
Fuel Oil #4	< 26.6		mg/kg wet	26.6						
Fuel Oil #6	< 26.6		mg/kg wet	26.6						
Motor Oil	< 26.6		mg/kg wet	26.6						
Aviation Fuel	< 26.6		mg/kg wet	26.6						
Unidentified	< 26.6		mg/kg wet	26.6						
Other Oil	< 26.6		mg/kg wet	26.6						
Diesel Range Organics (DRO)	< 26.6		mg/kg wet	26.6						
Surrogate: 1-Chlorooctadecane	*2.48*		mg/kg wet		*3.33*		*74*	*40-140*		
LCS (1328441-BS2)						Prepared: 22-Nov-13	Analyzed: 23-Nov-13			
Fuel Oil #2	**536**		mg/kg wet	26.6	666		80	40-140		
Surrogate: 1-Chlorooctadecane	*2.78*		mg/kg wet		*3.33*		*83*	*40-140*		
Duplicate (1328441-DUP2)			**Source: SB80661-17**			Prepared: 22-Nov-13	Analyzed: 25-Nov-13			
Fuel Oil #2	< 29.4		mg/kg dry	29.4		BRL				50
Fuel Oil #4	< 29.4		mg/kg dry	29.4		BRL				50
Fuel Oil #6	< 29.4		mg/kg dry	29.4		BRL				50
Motor Oil	**Calculated as**		mg/kg dry	29.4		Calculated as				50
Aviation Fuel	< 29.4		mg/kg dry	29.4		BRL				50
Unidentified	**288**		mg/kg dry	29.4		414			36	50
Other Oil	**Calculated as**		mg/kg dry	29.4		Calculated as				50
Diesel Range Organics (DRO)	**288**		mg/kg dry	29.4		414			36	50
Surrogate: 1-Chlorooctadecane	*2.54*		mg/kg dry		*3.69*		*69*	*40-140*		
Matrix Spike (1328441-MS2)			**Source: SB80661-17**			Prepared: 22-Nov-13	Analyzed: 25-Nov-13			
Diesel Range Organics (DRO)	**848**		mg/kg dry	29.5	740	414	59	40-140		
Surrogate: 1-Chlorooctadecane	*3.12*		mg/kg dry		*3.70*		*84*	*40-140*		
Matrix Spike Dup (1328441-MSD2)			**Source: SB80661-17**			Prepared: 22-Nov-13	Analyzed: 25-Nov-13			
Diesel Range Organics (DRO)	**1030**		mg/kg dry	29.5	739	414	84	40-140	35	200
Surrogate: 1-Chlorooctadecane	*3.56*		mg/kg dry		*3.70*		*96*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328848 - SW846 3050B										
Blank (1328848-BLK1)					Prepared: 27-Nov-13 Analyzed: 03-Dec-13					
Lead	< 1.30		mg/kg wet	1.30						
Selenium	< 1.30		mg/kg wet	1.30						
Chromium	< 0.868		mg/kg wet	0.868						
Cadmium	< 0.434		mg/kg wet	0.434						
Arsenic	< 1.30		mg/kg wet	1.30						
Silver	< 1.30		mg/kg wet	1.30						
Barium	< 0.868		mg/kg wet	0.868						
Duplicate (1328848-DUP1)			**Source: SB80661-11**		Prepared: 27-Nov-13 Analyzed: 03-Dec-13					
Lead	**85.1**		mg/kg dry	1.70		90.2			6	20
Selenium	**0.846**	J	mg/kg dry	1.70		0.726			15	20
Chromium	**13.5**	QR6	mg/kg dry	1.14		17.3			24	20
Cadmium	**0.437**	J	mg/kg dry	0.568		0.486			10	20
Arsenic	**0.886**	J,QR8	mg/kg dry	1.70		1.37			43	20
Silver	< 1.70		mg/kg dry	1.70		BRL				20
Barium	**40.3**		mg/kg dry	1.14		41.8			4	20
Matrix Spike (1328848-MS1)			**Source: SB80661-11**		Prepared: 27-Nov-13 Analyzed: 03-Dec-13					
Silver	**134**		mg/kg dry	1.61	134	BRL	100	75-125		
Selenium	**112**		mg/kg dry	1.61	134	0.726	83	75-125		
Lead	**222**		mg/kg dry	1.61	134	90.2	98	75-125		
Chromium	**144**		mg/kg dry	1.07	134	17.3	94	75-125		
Arsenic	**123**		mg/kg dry	1.61	134	1.37	90	75-125		
Cadmium	**122**		mg/kg dry	0.537	134	0.486	90	75-125		
Barium	**182**		mg/kg dry	1.07	134	41.8	104	75-125		
Matrix Spike Dup (1328848-MSD1)			**Source: SB80661-11**		Prepared: 27-Nov-13 Analyzed: 03-Dec-13					
Selenium	**112**		mg/kg dry	1.63	136	0.726	82	75-125	0.4	20
Lead	**206**		mg/kg dry	1.63	136	90.2	85	75-125	7	20
Chromium	**146**		mg/kg dry	1.09	136	17.3	95	75-125	2	20
Cadmium	**122**		mg/kg dry	0.544	136	0.486	89	75-125	0.1	20
Silver	**134**		mg/kg dry	1.63	136	BRL	98	75-125	0.03	20
Arsenic	**123**		mg/kg dry	1.63	136	1.37	90	75-125	0.7	20
Barium	**186**		mg/kg dry	1.09	136	41.8	106	75-125	2	20
Post Spike (1328848-PS1)			**Source: SB80661-11**		Prepared: 27-Nov-13 Analyzed: 03-Dec-13					
Cadmium	**132**		mg/kg dry	0.571	143	0.486	92	80-120		
Chromium	**153**		mg/kg dry	1.14	143	17.3	95	80-120		
Lead	**217**		mg/kg dry	1.71	143	90.2	89	80-120		
Arsenic	**133**		mg/kg dry	1.71	143	1.37	92	80-120		
Silver	**126**		mg/kg dry	1.71	143	BRL	88	80-120		
Selenium	**123**		mg/kg dry	1.71	143	0.726	86	80-120		
Barium	**196**		mg/kg dry	1.14	143	41.8	108	80-120		
Reference (1328848-SRM1)					Prepared: 27-Nov-13 Analyzed: 03-Dec-13					
Arsenic	**42.2**		mg/kg wet	1.50	45.4		93	80.88-118.77		
Cadmium	**74.8**		mg/kg wet	0.500	72.9		102	81.69-119.01		
Chromium	**45.0**		mg/kg wet	1.00	44.6		101	79.72-119.82		
Lead	**46.9**		mg/kg wet	1.50	50.3		93	81.71-118.48		
Selenium	**58.8**		mg/kg wet	1.50	65.2		90	77.48-122.83		
Silver	**32.8**		mg/kg wet	1.50	34.0		96	74.92-125.07		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328848 - SW846 3050B										
Reference (1328848-SRM1)					Prepared: 27-Nov-13		Analyzed: 03-Dec-13			
Barium	**102**		mg/kg wet	1.00	108		95	83.81-116.66		
Reference (1328848-SRM2)					Prepared: 27-Nov-13		Analyzed: 03-Dec-13			
Cadmium	**74.9**		mg/kg wet	0.500	72.2		104	81.69-119.01		
Selenium	**59.9**		mg/kg wet	1.50	64.6		93	77.48-122.83		
Lead	**47.7**		mg/kg wet	1.50	49.8		96	81.71-118.48		
Chromium	**46.2**		mg/kg wet	1.00	44.1		105	79.72-119.82		
Arsenic	**42.8**		mg/kg wet	1.50	45.0		95	80.88-118.77		
Silver	**33.5**		mg/kg wet	1.50	33.7		100	74.92-125.07		
Barium	**102**		mg/kg wet	1.00	107		96	83.81-116.66		
Batch 1328849 - EPA200/SW7000 Series										
Blank (1328849-BLK1)					Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Mercury	< 0.0272		mg/kg wet	0.0272						
Duplicate (1328849-DUP1)			Source: SB80661-11		Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Mercury	**0.0569**		mg/kg dry	0.0312		0.0657			14	20
Matrix Spike (1328849-MS1)			Source: SB80661-11		Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Mercury	**0.337**		mg/kg dry	0.0344	0.239	0.0657	114	75-125		
Matrix Spike Dup (1328849-MSD1)			Source: SB80661-11		Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Mercury	**0.299**		mg/kg dry	0.0302	0.209	0.0657	111	75-125	12	20
Post Spike (1328849-PS1)			Source: SB80661-11		Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Mercury	**0.304**		mg/kg dry	0.0330	0.229	0.0657	104	80-120		
Reference (1328849-SRM1)					Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Mercury	**3.26**	D	mg/kg wet	0.600	3.14		104	71.42-128.46		
Batch 1328850 - SW846 3050B										
Blank (1328850-BLK1)					Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Lead	< 1.50		mg/kg wet	1.50						
Reference (1328850-SRM1)					Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Lead	**50.5**		mg/kg wet	1.50	50.8		99	81.71-118.48		
Reference (1328850-SRM2)					Prepared: 27-Nov-13		Analyzed: 04-Dec-13			
Lead	**44.2**		mg/kg wet	1.50	50.1		88	81.71-118.48		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328394 - General Preparation										
Duplicate (1328394-DUP1)			Source: SB80661-01		Prepared & Analyzed: 21-Nov-13					
% Solids	**76.5**		%			80.4			5	20
Batch 1328395 - General Preparation										
Duplicate (1328395-DUP1)			Source: SB80661-21		Prepared & Analyzed: 21-Nov-13					
% Solids	**91.2**		%			91.3			0.1	20

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1328488 - General Preparation										
Duplicate (1328488-DUP1)			**Source: SB80661-14**		Prepared & Analyzed: 22-Nov-13					
Ignitability by Definition	**Negative**		N/A			Negative				35

Notes and Definitions

D	Data reported from a dilution
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
IgHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM10	LCS/LCSD were analyzed in place of MS/MSD.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 method 5035A but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
VOC8	Reporting limits reflect SW846 5035A High Level extraction technique due to interference and/or QC issues using SW846 5035A Low Level extraction technique.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly Wisk

SB 801601 JH

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Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Andrea Kenter
GeoInsight, Inc
186 Granite St 3rd Fl Suite A
Manchester, NH 03101
Telephone #: 603 314-0820
Project Mgr. Andrea Kenter

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 7256
Site Name: Lempster
Location: 902 Route 10 Lempster State: NH
Sampler(s): Meighan Broderick

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 4°C 12= _____

List preservative code below: 7,9 | 11 | 7,9

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☒
CT DPH RCP Report: Yes☐ No☒

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260B	RCRA 8 Metals	TPH GRO	% Solid				
SB80601-01	TP-1 (2.5')	11/18/13	1015	G	SO	3	1				X	X	X	X				
02	TP-2 (6')	11/18/13	1050	G	SO	3	1				X	X	X	X				
03	TP-3 (3.5')	11/18/13	1145	G	SO	3	1				X	X	X	X				
04	TP-4 (3.5')	11/18/13	1215	G	SO	3	1				X	X	X	X				
05	TP-6 (3')	11/18/13	1250	G	SO	3	1				X	X	X	X				
06	TP-7 (3.5')	11/18/13	1415	G	SO	3	1				X	X	X	X				
07	TP-9 (3.5')	11/18/13	1445	G	SO	3	1				X	X	X	X				
08	TP-11 (4')	11/18/13	1515	G	SO	3	1				X	X	X	X				
09	TP-12 (3.5')	11/18/13	1530	G	SO	3	1				X	X	X	X				
10	TP-15 (2.5')	11/19/13	0755	G	SO	3	1				X	X	X	X				

10/1 6.0 IR01
JJH 11/20/13

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Geo Cold Storage	11/20/13	0752	
[signature]	[signature]	11-20-13	1254	
	JJH	11/20/13	1735	

☒ EDD Format PDF
☒ E-mail to AWKENTER@GEOINC.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 8C66 JLH

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Andrea Kenter
Geoinsight, Inc
186 Granite St 3rd Fl Suite A
Manchester, NH 03104
Telephone #: 603-314-0820
Project Mgr. Andrea Kenter

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 7256
Site Name: Lempster
Location: 902 Route 10 Lempster State: NH
Sampler(s): Meaghan Broderick

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below: 7,9 | 7,9 | 11 | 11 | 11 | 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Trip Blank X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☒
CT DPH RCP Report: Yes☐ No☒

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260B	TPH-GRO	RCRA 8 Metals	Ignitability	TPH-DRO	PAHs	% Solids	
SB86601-11	TP-17(3.5')	11/19/13	0815	G	SO	3	2				X	X	X	X			X	
12	TP-18(3')	11/19/13	0845	G	SO	3	1				X		X				X	
13	TP-19(3')	11/19/13	0910	G	SO	3	1				X	X	X				X	
14	TP-21(3.5')	11/19/13	0950	G	SO	3	2				X	X	X	X	(MS)	(MS)	X	
15	TP-24(3.5')	11/19/13	1115	G	SO	3	1				X	X	X		X	X	X	
16	TP-23(4')	11/19/13	1040	G	SO	3	2				X	X	X		X	X	X	
17	TP-26(2.5')	11/19/13	1205	G	SO	3	2				X	X	X		X	X	X	
18	TP-29(3')	11/19/13	1315	G	SO	3	1 (MS)				X	X					X	
19	TP-29(3.5')	11/19/13	1325	G	SO	3	1				X						X	
20	Trip Blank	—	—	G	X1	2												

10/-1 6.0 | R01
JLH 11/20/13

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Geoinsight Storage	11/20/13	0783	
[signature]	[signature]	11-20-13	1254	
[signature]	JLH	11/20/13	1735	

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Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB88001-21

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Page 3 of 3

Special Handling:
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- ☐ Rush TAT - Date Needed: _____
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Andrea Kenter
GeoInsight, Inc
186 Granite St 3rd Fl Suite A
Manchester NH 03101
Telephone #: 603-314-0820
Project Mgr. Andrea Kenter

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 7256
Site Name: Lempster
Location: 902 Route 10 Lempster State: NH
Sampler(s): Meghan Broderick

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 4°C 12= _____

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☒
CT DPH RCP Report: Yes☐ No☒

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Total Lead							
SB88001-21	S-1	11/19/13	1345	G	SO		1				X							
22	S-2	↓	1350	G	SO		1				X							
23	S-3		1355	G	SO		1				X							
24	S-4		1400	G	SO		1				X							
25	S-5	↓	1405	G	SO		1				X							

11/1/01 IR01
JJH 11/20/13

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Geocad Storage	11/20/13	0752	
[signature]	[signature]	11-20-13	1254	
	JJH	11/20/13	1735	

☒ EDD Format PDF
☒ E-mail to AWKENTER@GEOINC.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

ATTACHMENT E

ARIES GROUNDWATER INFORMATION

TABLE 2

GROUNDWATER QUALITY DATA - VOCs

GROUNDWATER MANAGEMENT PERMIT MONITORING
TRI-STATE CAR CRUSHING FACILITY
LEMPSTER, NEW HAMPSHIRE
NHDES NO. 200203024

	Volatile Organic Compound	Benzene	Toluene	Ethyl-benzene	Xylenes	Naph-thalene	Trichloro-fluoro-methane	Methyl Tert-Butyl Ether	Acetone	Tert-Butyl Alcohol	Methyl Ethyl Ketone	Ethyl Tert-Butyl Ether	Tert-Amyl Methyl Ether	Methyl Isobutyl Ketone	Diethyl Ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl benzene	p-Isopropyl-toluene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	1,4-Dioxane	Ethylene Dibromide	Total VOCs
NHDES AGQS (µg/l)		5	1,000	700	10,000	20	2,000	13	6,000	40	4,000	40	140	2,000	1,400	260	260	800	260	260	330	330	3	0.05	NE
NHDES GW-2 (µg/l)		2,900	50,000	1,500	17,000	1,700	NS	2,600	NS	NS	50,000	NS	NS	50,000	NS	NS	NS	NS	NS	NS	NS	1,300	NS	35	
Location	Date																								
MW-1	3/14/2002	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**73**	<50	<20	<25	<1.0	4	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	77
	5/29/2008	<2	<2	<2	<2	<4	<4	<2	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	8/20/2008	<2	<2	<2	<2	<4	<4	<2	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	9/18/2008	<2	<2	<2	<2	<4	<4	<2	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	11/12/2008	<2	<2	<2	<2	<4	<4	<2	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	4/20/2009	<2	<2	<2	<2	<4	<4	<2	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	7/24/2009	<2	<2	<2	<2	<4	<4	5.0	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	5
	11/20/2009	<2	<2	<2	<2	<4	<4	1.0	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	1
	11/16/2010	<0.8	<2	<2	<2	<4	<4	1.0	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	1
	4/22/2011	<0.8	<2	<2	<2	<4	<4	<0.8	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	10/21/2011	<0.8	<2	<2	<2	<4	<4	<0.8	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	5/7/2012	<0.8	<2	<2	<2	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	10/16/2012	<0.8	<2	<2	<2	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	4/30/2013	<0.8	<2	<2	<2	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	0
	10/18/2013	<0.8	<2	<2	<4	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	0
MW-2B	3/14/2002	**190**	330	9	118	<1.0	<1.0	6	<50	<20	<25	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	6	8	NA	NA	667.0
	1/11/2005	1.1	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	1.1
	11/14/2005	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	0.0
	3/14/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	2.6	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	2.6
	10/13/2006	1	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	1.0
	3/14/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	2.6	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	2.6
MW-2BR	5/29/2008	**2,500**	593	217	569	**32**	67	***21,000***	5,130	**10,900**	484	**224**	**2,260**	208	151	<8	<8	<8	<8	13	38	118	NA	NA	44,504
	8/20/2008	**851**	592	109	509	<160	<80	***6,660***	<4000	**2,860**	<2000	<160	**494**	<2000	<1200	<80	<80	<80	<80	<80	<80	<80	NA	NA	12,075
	9/18/2008	**1,170**	**1,060**	176	830	<80	<80	***10,100***	<2000	<400	<1000	<80	**780**	<1000	<600	<40	<40	<40	<40	<40	<40	94	NA	NA	14,210
	11/12/2008	**1,040**	421	138	394	<80	<80	***7,650***	<2000	<400	<1000	<80	**682**	<1000	<600	<40	<40	<40	<40	<40	<40	83	NA	NA	10,408
	4/20/2009	**233**	88	94	307	<160	<160	**1,370**	<4000	<400	<2000	<80	**172**	<1000	<600	<80	<80	<80	<80	<80	<80	<80	<4	<0.04	2,264
	7/24/2009	**184**	215	105	440	<80	<80	**1,190**	<2000	<400	<2000	<80	**148**	<1000	<600	<40	<40	<40	<40	<40	<40	112	<0.4	<0.04	2,394
	11/20/2009	**470**	<20	59	<20	<40	<40	***3,600***	<500	<20	<500	27	**410**	<500	<500	<20	<20	<20	<20	<20	<20	34	NA	NA	4,600
	11/16/2010	**26**	<2	53	192	**27**	<40	**240**	<50	<20	<50	2	32	<50	<50	<2	<2	6	<2	8.4	2.7	75	NA	NA	664
	4/22/2011	2	<2	44	173	**26**	<40	**16**	<50	<20	<50	<2	<4	<50	<50	<2	<2	7.8	<2	12	14	110	NA	NA	405
	10/21/2011	1.2	2.7	60	160	**31**	<40	**81**	<50	<20	<50	<2	<4	<50	<50	<2	<2	6.2	<2	11	10	68	NA	NA	431
	5/7/2012	**7.5**	<2	3.9	<2	5.1	<4	**74**	<50	23	<50	<2	11	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	125
	10/16/2012	**190**	150.0	89	290	5.9	<4	**450**	<50	**63**	<50	9.5	100	<50	<50	<2	<2	5.1	<2	8.9	12	57	NA	NA	1,430
	4/30/2013	**180**	<10	170	77	**22**	<20	**300**	<250	<100	<250	<10	36	<250	<250	<10	<10	11	<10	24	<10	61	NA	<10	881
	10/18/2013	**52**	<5	19	<10	<10	<10	**570**	<130	<50	<130	6.7	65	<130	<130	<5	<5	8.7	<5	<5	<5	<5	NA	<5	721
MW-3	3/14/2002	2	1	<1.0	1	<1.0	<1.0	**640**	<50	<20	<25	<1.0	8	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	652
	1/11/2005	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	0
	11/14/2005	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	0
	3/14/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	2.5	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	2.5
	10/13/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	0

TABLE 2

GROUNDWATER QUALITY DATA - VOCs

GROUNDWATER MANAGEMENT PERMIT MONITORING
TRI-STATE CAR CRUSHING FACILITY
LEMPSTER, NEW HAMPSHIRE
NHDES NO. 200203024

	Volatile Organic Compound	Benzene	Toluene	Ethyl-benzene	Xylenes	Naph-thalene	Trichloro-fluoro-methane	Methyl Tert-Butyl Ether	Acetone	Tert-Butyl Alcohol	Methyl Ethyl Ketone	Ethyl Tert-Butyl Ether	Tert-Amyl Methyl Ether	Methyl Isobutyl Ketone	Diethyl Ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl benzene	p-Isopropyl-toluene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	1,4-Dioxane	Ethylene Dibromide	Total VOCs
NHDES AGQS (µg/l)		5	1,000	700	10,000	20	2,000	13	6,000	40	4,000	40	140	2,000	1,400	260	260	800	260	260	330	330	3	0.05	NE
NHDES GW-2 (µg/l)		2,900	50,000	1,500	17,000	1,700	NS	2,600	NS	NS	50,000	NS	NS	50,000	NS	NS	NS	NS	NS	NS	NS	1,300	NS	35	
Location	Date																								
MW-3R	5/29/2008	**186**	141	5	24	<4	<4	**2,560**	158	**290**	<50	22	74	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	3,460
	8/20/2008	**84**	<40	<40	<40	<80	<80	**1,540**	<2000	**839**	<1000	<80	<40	<1000	<600	<40	<40	<40	<40	<40	<40	<40	NA	NA	2,463
	9/18/2008	**72**	<8	<8	<8	<16	<16	**1,190**	<400	<80	<200	<16	30	<200	<120	<8	<8	<8	<8	<8	<8	<8	NA	NA	1,292
	10/3/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
	11/12/2008	**50**	<8	<8	<8	<16	<16	**1,230**	<400	<80	<200	<16	23	<200	<120	<8	<8	<8	<8	<8	<8	<8	NA	NA	1,303
	4/20/2009	**20**	<4	<4	<4	<8	<8	**1,090**	<200	<40	<100	<16	35	<100	<60	<4	<4	<4	<4	<4	<4	<4	NA	NA	1,145
	7/24/2009	**40**	<8	<8	<8	<16	<16	**340**	<400	<80	<200	<16	18	<200	<120	<8	<8	<8	<8	<8	<8	<8	NA	NA	398
	11/20/2009	<8	<20	<20	<20	<40	<40	**460**	<500	<200	<200	<20	<40	<200	<120	<20	<20	<20	<20	<20	<20	<20	NA	NA	460
	11/16/2010	0.8	<2	<2	<2	<4	<4	**140**	<50	<20	<20	<2	5.2	<20	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	146
	4/22/2011	<0.8	<2	<2	<2	<4	<4	7.8	<50	<20	<20	<2	<4	<20	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	7.8
	10/21/2011	<0.8	<2	<2	<2	<4	<4	**120**	<50	<20	<20	<2	9	<20	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	129
	5/7/2012	**17**	<2	<2	<2	<4	<4	**1,000**	<50	<20	<50	3.6	30	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	1,051
	10/16/2012	<0.8	<2	<2	<2	<4	<4	**44**	<50	<20	<20	<2	<4	<20	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	44
	4/30/2013	<4	<10	<10	<20	<20	<20	**66**	<250	<100	<250	<10	<20	<250	<250	<10	<10	<10	<10	<10	<10	<10	NA	<10	66
	10/18/2013	<2	<5	<5	<10	<10	<10	**17**	<130	<50	<130	<5	<10	<130	<130	<5	<5	<5	<5	<5	<5	<5	NA	<5	17
MW-4	3/14/2002	4	11	<1.0	<1.0	<1.0	<1.0	**85**	<50	<20	<25	<1.0	10	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	110
MW-4A	11/14/2005	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	**13**	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	13
	3/14/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	0
	10/13/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	7.3	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	7.3
MW-4R	5/29/2008	**251**	**2,070**	192	2,481	**36**	<4	**1,080**	235	**82**	60	5	**332**	<50	47	<8	<8	9	<8	11	85	287	NA	NA	7,263
	8/20/2008	**103**	264	108	350	<40	<40	**607**	<1000	**261**	<500	<40	**140**	<500	<20	<20	<20	<20	<20	<20	<20	33	NA	NA	1,866
	9/18/2008	**88**	88	129	406	<16	<16	**373**	<400	<80	<200	<16	83	<200	<120	<8	<8	<8	<8	<8	26	86	NA	NA	1,279
	10/3/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
	11/12/2008	**30**	37	24	208	<16	<16	**133**	<400	<80	<200	<16	30	<200	<120	<8	<8	<8	<8	<8	25	88	NA	NA	575
	4/20/2009	**7**	<4	13	27	<8	<8	**20**	<200	<40	<100	<8	<8	<100	<60	<4	<4	<4	<4	<4	<4	24	<0.4	<0.04	91
	7/24/2009	**63**	40	37	71	8	<4	**85**	<100	<20	<50	<4	22	<50	<30	2	2	2	2	5	6	48	<0.4	<0.04	393
	11/20/2009	**13**	6	11	28	<4	<4	**43**	<50	<20	<50	<2	8	<50	<30	<2	<2	<2	<2	<2	<2	11	NA	NA	120
	11/16/2010	1.4	<2	<2	3.6	<4	<4	3.6	<50	<20	<50	<2	<4	<50	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	9
	4/22/2011	1.5	<2	6.1	8.1	<4	<4	1.2	<50	<20	<50	<2	<4	<50	<2	<2	<2	2.3	<2	3.7	<2	33.0	NA	NA	55.9
	10/21/2011	1.1	<2	2.4	<2	4.5	<4	1.0	<50	<20	<50	<2	<4	<50	<2	<2	<2	<2	<2	<2	<2	6.6	NA	NA	15.6
	5/7/2012	<0.8	<2	<2	<2	<4	<4	3.4	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	6.4	NA	NA	10
	10/16/2012	<0.8	<2	<2	<2	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	3.5	NA	NA	4
	4/30/2013	<0.8	<2	<2	<2	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	0
	10/18/2013	<0.8	<2	<2	<4	<4	<4	1.0	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	1
MW-5	9/18/2008	**135**	5	17	13	<4	<4	**288**	<100	<20	<50	4	34	<50	<30	<2	<2	<2	<2	<2	2	15	NA	NA	513
	10/3/2008	**132**	<2	19	10	<4	<4	**236**	<100	<20	<50	4	31	<50	<30	<2	<2	2	<2	2	<2	20	NA	NA	456
	11/12/2008	**154**	10	13	7	<4	<4	**203**	<100	24	<50	<4	23	<50	<30	<2	<2	<2	<2	<2	<2	9	NA	NA	443
	4/20/2009	**57**	23	6	12	<8	<8	**105**	<200	<40	<100	<8	10	<100	<60	<8	<8	<8	<8	<8	<8	<8	<0.4	<0.04	213
	7/24/2009	**14**	<4	<4	<4	<8	<8	**59**	<200	<40	<100	<8	<8	<100	<60	<8	<8	<8	<8	<8	<8	<8	<0.4	<0.04	73
	11/20/2009	3.7	<2	<2	<2	<2	<8	**31**	<50	<20	<50	<2	<2	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	34.7
	11/16/2010	**15**	<2	<2	<2	<2	<8	**110**	<50	<20	<50	<2	9.4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	134.4
	4/22/2011	**12**	<2	5	25	<2	<8	**32**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	3	NA	NA	77.5
	10/21/2011	**5.2**	<2	<2	<2	<2	<8	**27**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	32.2
	5/7/2012	2.8	<2	<2	<2	<4	<4	**30**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	33
	10/16/2012	1.6	<2	<2	<2	<4	<4	**36**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	38
	4/30/2013	3.9	<2	<2	<2	<4	<4	**47**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	50.9
	10/18/2013	1.0	<2	<2	<4	<4	<4	7.6	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	8.6

TABLE 2

GROUNDWATER QUALITY DATA - VOCs

GROUNDWATER MANAGEMENT PERMIT MONITORING
TRI-STATE CAR CRUSHING FACILITY
LEMPSTER, NEW HAMPSHIRE
NHDES NO. 200203024

	Volatile Organic Compound	Benzene	Toluene	Ethyl-benzene	Xylenes	Naph-thalene	Trichloro-fluoro-methane	Methyl Tert-Butyl Ether	Acetone	Tert-Butyl Alcohol	Methyl Ethyl Ketone	Ethyl Tert-Butyl Ether	Tert-Amyl Methyl Ether	Methyl Isobutyl Ketone	Diethyl Ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl benzene	p-Isopropyl-toluene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	1,4-Dioxane	Ethylene Dibromide	Total VOCs
NHDES AGQS (µg/l)		5	1,000	700	10,000	20	2,000	13	6,000	40	4,000	40	140	2,000	1,400	260	260	800	260	260	330	330	3	0.05	NE
NHDES GW-2 (µg/l)		2,900	50,000	1,500	17,000	1,700	NS	2,600	NS	NS	50,000	NS	NS	50,000	NS	NS	NS	NS	NS	NS	NS	1,300	NS	35	
Location	Date																								
MW-6	9/18/2008	**6**	<2	<2	2	<4	<4	5	<100	<20	<50	<4	34	<50	<30	<2	<2	<2	<2	<2	2	15	NA	NA	64
	10/3/2008	**9**	<2	<2	2	<4	<4	7	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	8	8	NA	NA	34
	11/12/2008	3	<2	<2	2	<4	<4	3	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	3	4	NA	NA	15
	4/20/2009	<2	<2	<2	2	<4	<4	**26**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	28
	7/24/2009	2	7	12	47	11	<4	**143**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	14	NA	NA	236
	11/20/2009	<0.8	<0.8	<0.8	<0.8	**23**	<4	2.4	<50	<20	<50	<2	<2	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	25.4
	11/16/2010	<0.8	<2	<2	<2	<4	<4	1	<50	<20	<50	<2	<2	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	1
	4/22/2011	4.2	28	10	49	8.6	<4	7.8	<50	<20	<50	<2	<2	<50	<50	<2	<2	<2	<2	<2	8.6	22	NA	NA	138.2
	10/21/2011	<0.8	<2	<2	<2	4.3	<4	2	<50	<20	<50	<2	<2	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	6.3
	5/7/2012	1.4	<2	<2	<2	<4	<4	**30**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	31
	10/16/2012	<0.8	<2	<2	<2	<4	<4	1.4	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	1
	4/30/2013	<0.8	<2	<2	<2	<4	<4	2.1	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	2.1
	10/18/2013	<0.8	<2	<2	<4	<4	<4	<0.8	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	0
MW-7	9/18/2008	3	<2	<2	<2	<4	<4	**59**	<100	<20	<50	<4	5	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	67
	10/3/2008	**25**	<2	<2	<2	<4	<4	**232**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	4	NA	NA	261
	11/12/2008	**23**	<2	<2	<2	<4	<4	**787**	<100	21	<50	<4	27	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	858
	4/20/2009	<4	<4	<4	<4	**23**	<8	12	<200	<40	<100	<8	27	<100	<60	<4	<4	<4	<4	<4	<4	5	NA	NA	67
	7/24/2009	<2	<2	<2	<2	<4	<4	3	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	3
	11/20/2009	<0.8	<2	<2	<2	<4	<4	<0.8	<50	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
MW-8	9/18/2008	<2	<2	<2	<2	<4	<4	**26**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	26
	10/3/2008	<2	<2	<2	<2	<4	<4	**27**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	27
	11/12/2008	<2	<2	<2	<2	<4	<4	**27**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	27
	4/20/2009	<2	<2	<2	<2	<4	<4	**61**	<100	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	61
	7/24/2009	<2	<2	<2	<2	<4	<4	**105**	<100	<20	<50	<4	6	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	111
	11/20/2009	<0.8	<2	<2	<2	<4	<4	**31**	<50	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	31
	11/16/2010	<0.8	<2	<2	<2	<4	<4	2.1	<50	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	2.1
	4/22/2011	<0.8	<2	<2	<2	<4	<4	**22**	<50	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	22
	10/21/2011	<0.8	<2	<2	<2	<4	<4	6.2	<50	<20	<50	<4	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	6.2
	5/7/2012	<0.8	<2	<2	<2	<4	<4	**15**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	15
	10/16/2012	<0.8	<2	<2	<2	<4	<4	**20**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	NA	20
	4/30/2013	<0.8	<2	<2	<2	<4	<4	**20**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	20
	10/18/2013	<0.8	<2	<2	<4	<4	<4	6.9	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	6.9
MW-9	6/17/2009	<2	<2	<2	<2	<5	<2	7	<100	<20	<10	<2	4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	11
	7/24/2009	<2	<2	<2	<2	<5	<2	<2	<100	<20	<10	<2	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
	11/20/2009	<0.8	<2	<2	<2	<5	<2	<2	<50	<20	<50	<2	<4	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	0
MW-10	6/17/2009	**236**	610	149	719	**34**	<2	***5,860***	<100	**239**	<10	38	**346**	<50	<30	<1	<1	14	<1	32	69	175	NA	NA	8,521
	7/24/2009	**243**	115	133	432	<100	<100	***6,160***	<2500	**1,260**	<100	<100	**565**	<1250	<750	<50	<50	<50	<50	<50	60	141	NA	NA	9,109
	11/20/2009	**130**	<100	<100	<100	<200	<200	**2,500**	<2500	<1000	<2500	<100	**220**	<2500	<2500	<100	<100	<100	<100	<100	<100	<100	NA	NA	2,850
	11/16/2010	**240**	72	<50	<50	<100	<100	**2,200**	<1300	<500	<1300	<50	**250**	<1300	<1300	<50	<50	<50	<50	<50	<50	57	NA	NA	2,819
	4/22/2011	**310**	**2,500**	340	2,380	**300**	<100	**700**	<1300	<50	<1300	<50	**160**	<1300	<1300	52	<50	<50	<50	<50	170	**740**	NA	NA	7,652
	10/21/2011	**72**	270	160	1,210	**350**	<100	**220**	<250	<100	<250	<10	130	<250	<250	<50	<50	30	<50	97	280	**940**	NA	NA	3,759
	5/7/2012	**8.2**	50	81	650	**270**	<4	**19**	<50	<20	<50	<2	<4	<50	<50	89	13	22	11	100	250	**670**	NA	NA	2,233
MW-10R	7/8/2013	**6.3**	<2	5	7.3	<4	<4	**22**	<50	<20	<50	<2	4.1	<50	<50	<2	<2	<2	<2	<2	<2	6.8	NA	<2	52
	10/18/2013	**6.4**	3.1	3.7	2.3	<4	<4	**23**	<50	<20	<50	<2	4.6	<50	<50	<2	<2	<2	<2	<2	<2	5.5	NA	<2	49

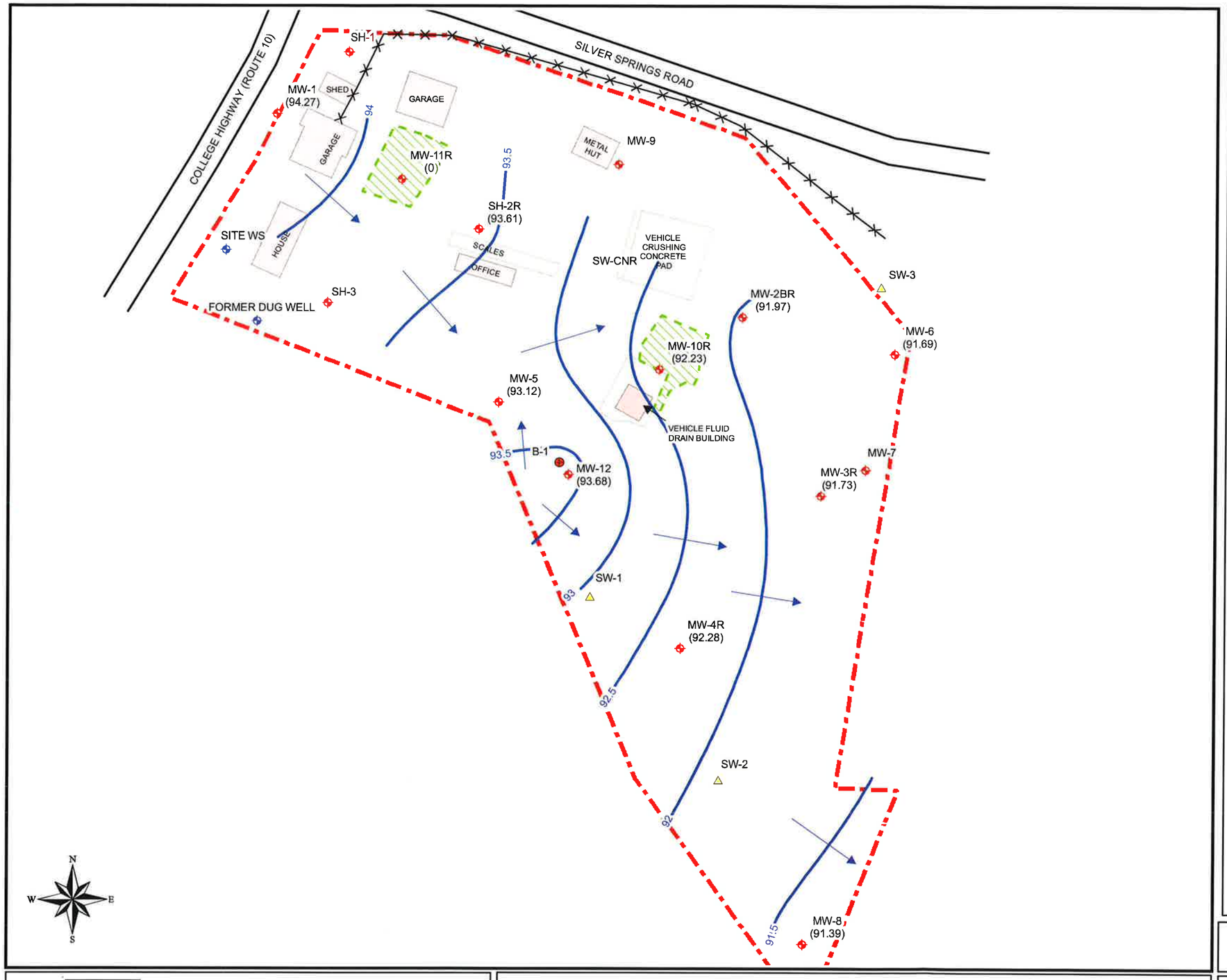
TABLE 2

GROUNDWATER QUALITY DATA - VOCs

GROUNDWATER MANAGEMENT PERMIT MONITORING
TRI-STATE CAR CRUSHING FACILITY
LEMPSTER, NEW HAMPSHIRE
NHDES NO. 200203024

	Volatile Organic Compound	Benzene	Toluene	Ethyl-benzene	Xylenes	Naph-thalene	Trichloro-fluoro-methane	Methyl Tert-Butyl Ether	Acetone	Tert-Butyl Alcohol	Methyl Ethyl Ketone	Ethyl Tert-Butyl Ether	Tert-Amyl Methyl Ether	Methyl Isobutyl Ketone	Diethyl Ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl benzene	p-Isopropyl-toluene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	1,4-Dioxane	Ethylene Dibromide	Total VOCs
NHDES AGQS (µg/l)		5	1,000	700	10,000	20	2,000	13	6,000	40	4,000	40	140	2,000	1,400	260	260	800	260	260	330	330	3	0.05	NE
NHDES GW-2 (µg/l)		2,900	50,000	1,500	17,000	1,700	NS	2,600	NS	NS	50,000	NS	NS	50,000	NS	NS	NS	NS	NS	NS	NS	1,300	NS	35	
Location	Date																								
MW-11	6/17/2009	**100**	177	20	330	<5	<2	**2,140**	258	**91**	<10	12	**156**	<50	<30	<2	<2	<2	<2	<2	17	35	NA	NA	3336
	7/24/2009	**59**	93	26	78	<40	<40	**2,100**	<1000	<200	<500	<40	**163**	<500	<300	<20	<20	<20	<20	<20	<20	<20	NA	NA	2,519
	11/20/2009	**23**	<50	<50	<50	<100	<100	**520**	<1300	<500	<1300	<50	<100	<1300	<1300	<50	<50	<50	<50	<50	<50	<50	NA	NA	543
	11/16/2010	**95**	<10	17	45	<20	<20	**790**	<250	<250	<250	<10	74	<250	<250	<10	<10	<10	<10	<10	<10	13	NA	NA	1,034
	4/22/2011	**700**	190	230	1,590	**21**	<20	***6,500***	<250	<250	<250	**61**	**820**	<250	<250	<10	<10	<10	<10	12	100	270	NA	NA	10,494
	10/21/2011	**260**	<10	23	142	<20	<20	**920**	<250	<100	<100	<10	**110**	<250	<250	<10	<10	<10	<10	<10	<10	57	NA	NA	1,512
	5/7/2012	**8.6**	<2	2.4	<2	3.4	<4	**110**	<50	<20	<50	<2	9.7	<50	<50	<2	<2	<2	<2	<2	<2	3.0	NA	NA	137
MW-11R	7/8/2013	<0.8	<2	<2	<4	<4	<4	**32**	<50	<20	<50	<2	<4	<50	<50	<2	<2	<2	<2	<2	<2	<2	NA	<2	32
MW-12	7/8/2013	**150**	2.4	33	49	<4	<4	**690**	<50	**47**	<50	8	81	<50	<50	<2	<2	2.1	<2	3.5	<2	29	NA	<2	1,095
	10/18/2013	**35**	3.4	6.9	12.1	<4	<4	**98**	<50	<20	<50	<2	13	<50	<50	<2	<2	<2	<2	<2	<2	6.0	NA	<2	174
SH-1	11/14/2005	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	**0**
	3/14/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	**0**
	10/13/2006	<1.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<10	<20	<10	<2.0	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	**0**
SH-2	11/14/2005	**77**	23	110	240	**13**	<2.0	**1,800**	<10	**1,600**	<10	**7**	**180**	NA	NA	<2.0	<2.0	12	<2.0	26	45	150	NA	NA	4,283
	3/14/2006	**1,000**	**4,900**	490	2,740	**64**	<2.0	***4,900***	71	<20	33	**69**	**1,200**	NA	NA	<2.0	<2.0	24	<2.0	59	120	**370**	NA	NA	16,040
SH-2R	5/29/2008	**459**	**3,280**	541	3,630	**79**	50	**1,670**	**9,740**	**444**	547	21	**279**	291	<120	<8	<8	33	<8	69	191	**649**	NA	NA	21,973
	8/20/2008	**241**	**1,170**	260	1,410	<100	<100	**1,100**	<2500	**578**	<1250	<100	**161**	<1250	<750	<50	<50	<50	<50	<50	61	269	NA	NA	5,250
	9/18/2008	**127**	342	132	624	<100	<100	**579**	<2500	<160	<1250	<100	80	<1250	<750	<50	<50	<50	<50	<50	41	142	NA	NA	2,067
	10/3/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
	11/12/2008	**217**	497	255	1,043	**32**	9	**884**	<200	**69**	<100	11	127	<100	<60	<8	<8	17	<8	43	106	**339**	NA	NA	3,649
	4/20/2009	**32**	62	81	364	**24**	9	**292**	<200	**80**	<100	<8	30	<100	<60	<8	<8	12	<8	22	54	172	<2	<2	1,234
	7/24/2009	**78**	<8	91	134	16	<16	**503**	<400	**94**	<200	<16	73	<200	<120	<8	<8	9	<8	16	32	105	<0.40	<0.04	1,151
	11/20/2009	**44**	<20	51	42	<40	<40	**330**	<500	**42**	<500	<20	42	<500	<500	<20	<20	<20	<20	<20	21	50	NA	NA	622
	11/16/2010	**18**	<10	<10	<10	<20	<20	**200**	<250	<100	<250	<10	<20	<250	<250	<10	<10	<10	<10	<10	<10	33	NA	NA	251
	4/22/2011	**24**	16	12	41	<10	<10	**490**	<130	**55**	<130	<5	<10	<130	<130	<5	<5	<5	<5	<5	<5	23	NA	NA	661
	10/21/2011	**8.9**	<10	<10	<10	<20	<20	**64**	<250	<100	<250	<10	<20	<250	<250	<10	<10	<10	<10	<10	<10	12.0	NA	NA	85
	5/7/2012	**12**	<2	22	<2	12	<4	**170**	<50	<20	<50	<2	13	<50	<50	2.8	<2	5.5	<2	9.9	<2	3.1	NA	NA	250
	10/16/2012	**13**	<2	22	<2	9	<4	**290**	<50	28.0	<50	2.5	28	<50	<50	2.2	<2	6.8	<2	8.3	<2	3.3	NA	NA	413
	4/30/2013	3.8	<2	3.7	<4	<4	<4	**150**	<50	<20	<50	<2	9.3	<50	<50	<2	<2	<2	<2	2.4	<2	2.6	NA	<2	172
	10/18/2013	2.9	2.5	3.9	<4	<4	<4	**81**	<50	<20	<50	<2	7.2	<50	<50	<2	<2	2.1	<2	2.2	<2	<2	NA	<2	102
SH-3	11/14/2005	**150**	12	15	23	<5.0	<2.0	***2,800***	<10	**2,300**	<10	18	**210**	<50	<30	<2.0	<2.0	3	<2.0	3	<2.0	12	NA	NA	5,547
	3/14/2006	2.0	<2.0	<2.0	<2.0	<5.0	<2.0	**30.0**	<10	<20	<10	<2.0	2.9	<50	<30	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	35
	10/13/2006	**90**	<2.0	6	<2.0	<5.0	<2.0	**1,900**	<10	**710**	<10	13	120	<50	<30	<2.0	<2.0	3	<2.0	<2.0	<2.0	<2.0	NA	NA	2,841
	5/29/2008	**11**	6	<2	17	<4	<4	**85**	<100	<20	<50	<4	11	<50	<30	<2	<2	<2	<2	<2	<2	6	NA	NA	136
	8/20/2008	**2**	<2	<2	<2	<4	<4	5	<100	<20	<50	<4	11	<50	<30	<2	<2	<2	<2	<2	<2	<2	NA	NA	18

NOTES:
1. Concentrations are in micrograms per liter (µg/L) except where noted.
2. <2 indicates the analyte was not detected at a concentration above the listed detection limit.
3. Bold text indicates the concentration exceeds the NHDES Ambient Groundwater Quality Standard (AGQS).
4. Bold italic text indicates the concentration exceeds the NHDES GW-2 Screening Levels.
5. NA indicates data is not available for that parameter.
6. NS indicates no applicable compliance standard for the designated parameter.



LEGEND

- Fence
- Site Buildings
- Inferred Groundwater Contour
- Inferred Groundwater Flow Direction
- Approximate Site Boundary
- Soil Test Boring
- Monitoring Well
- Surface Water Sample
- Water Supply Well
- Approxiamate Soi Excavation Areas

NOTES:

1. Plan prepared from: a May 2006 plan entitled "Site Features and Exploration Location Plan" prepared by Sanborn, Head and Associates of Concord, New Hampshire; an April 14, 2011 aerial photograph obtained from Google Earth; and information provided by New Hampshire Geographically Referenced Analysis and Information Transfer system (NH GRANIT) maintained by University of New Hampshire and the NH Office of Energy and Planning (OEP).

2. Site feature locations are approximate.

0 25 50 100 150 Feet

Aries Project # 2008-016G
File # 2008-016G(1)12.13.MDX

ARIES ENGINEERING, INC.
environmental engineers and hydrogeologists

GMP TRANSMITTAL
TRI-STATE CAR CRUSHING FACILITY
904 U.S. ROUTE 10
LEMPSTER, NEW HAMPSHIRE

INFERRED GROUNDWATER CONTOURS AND SITE PLAN

DECEMBER 2013

FIGURE 1

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APPENDIX D

ACTIVITY AND USE RESTRICTION APPLICATION FORM

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

APPLICATION FOR ACTIVITY AND USE RESTRICTION (AUR)

AN ACTIVITY AND USE RESTRICTION (AUR) is implemented under Env-Or 608 at sites where a Department of Environmental Services (DES) approved remedial action relies on the restriction of site activities and uses to achieve or maintain protection of human health and the environment.

SUBMIT:

- ONE SIGNED AND COMPLETED APPLICATION
- SUPPORTING INFORMATION
- PROPOSED AUR DOCUMENT (USING DES APPROVED TEMPLATE)

TO:

NHDES Waste Management Division
Site Remediation Programs
PO Box 95, 29 Hazen Drive
Concord, NH 03302-0095

If you have any questions, contact Karlee Kenison at (603) 271-6542.

I. Site Information

Site Name: Tri-State Car Crushing DES Site # 200203024
Address: 902 NH Route 10
City: Lempster State: NH Zip: 03605
Tax Map: 227 Lot Number: 28
Deed Reference: County: Sullivan Book and Page: 1641 / 0406

II. Site Owner Information

Site Owner Name: James Bonia Phone: (603) 731-3460
Mailing Address: 902 NH Route 10
City: Lempster State: NH Zip: 03605
E-mail tristatecarcrushing@yahoo.com Fax #

III. Contact Person Information (complete only if different than site owner)

Contact Person Name: Phone:
Mailing Address:
City State NH Zip
E-mail Fax #

IV. Supporting Information

(Check Yes, "Y," if information is enclosed, or Not Applicable, "N/A," if requested information does not apply.)

Y	N/A		
		1.	Where the AUR applies to an entire lot, include at least one of the following:
☐	☒		a. Recordable plan of the site prepared by a New Hampshire registered land surveyor OR
☒	☐		b. A reference by book and page number to a survey plan of the lot that has been recorded or registered in the registry of deeds for the county in which the site is located OR
☐	☒		c. A reference by book and page number to a property description of the lot that has been recorded or registered in the registry of deeds for the county in which the site is located.
		2.	Where the area subject to the AUR comprises only a portion of a lot, include both of the following:
☐	☒		a. A metes and bounds description of the restricted area AND
☐	☒		b. A recordable plan, prepared by a New Hampshire registered land surveyor that shows the location of the restricted area in relation to the property boundaries of the site.
☒		3.	The time period during which the AUR shall be effective.
☒		4.	A precise description of the site activities and uses that will be prohibited on the site and allowed on the site.
☒		5.	A description of how the restrictions will eliminate the risks to human health and the environment.
☒		6.	A precise description of the measures which will be taken to ensure compliance with the AUR.
☒		7.	A description of the procedures to be followed when an emergency requires immediate excavation of contaminated soil, or to respond to other types of emergencies that might result in a significant risk to human health, evaluated pursuant to the procedure specified in Env-Or 606.19(d)(2) and (3), from exposure to contaminants at the site, which shall include:
			a. Notifying the Department of Environmental Services of such emergency condition AND
			b. Limiting disturbance of contaminated media to the minimum necessary to adequately respond to the emergency AND
			c. Undertaking specified precautions to reduce exposure of workers and neighbors of the site to contaminated media AND
			d. Preparation and implementation of a written plan for restoring the site to a condition consistent with the AUR.
☒		8.	An acknowledgement by the applicant that the AUR shall run with the land pursuant to Env-Or 608.01(b)(3).
☒		9.	An analysis of the long-term feasibility of maintaining the AUR.

IV. Supporting Information (continued)

Y

☒ 10. An acknowledgment by the applicant to incorporate either in full or by reference the AUR into all deeds, easements, mortgages, leases, licenses, occupancy agreements, or any other instruments conveying an interest in and/or a right to use the property pursuant to Env-Or 608.01(b)(2).

☒ 11. The procedures for modifying and terminating the AUR pursuant to Env-Or 608.06 and Env-Or 608.07.

☒ 12. Title reference by which the property owner(s) acquired title to the property.

☒ 13. A schedule for self-certifying compliance with the AUR pursuant to Env-Or 608.01(e).

☒ 14. The proposed AUR document that will be recorded if the AUR application is approved, including a block for the property owner(s) notarized signature (use DES template).

V. AUR Issuance Information

1. Within 90 days from the receipt of a complete AUR application, DES shall notify the applicant in writing of its decision to approve or deny the application OR notify the applicant in writing that the information submitted is not sufficient to make a decision and request additional information from the applicant.

2. DES shall approve an AUR application if the application contains all items required by Env-Or 608.03 and the proposed AUR is consistent with Env-Or 608.01(b).

3. An AUR that is approved by DES shall become effective upon recordation.

4. Within 30 days of the date DES approves the AUR application pursuant to Env-Or 608.02(c), the applicant shall provide notice of the AUR to current holders of any interest in the site of the existence and location of the contamination subject to the AUR. Notice sent pursuant to the above shall be on a form provided by DES and via certified mail, return receipt requested.

5. Within 60 days of the date on which DES approves the AUR application pursuant to Env-Or 608.02(c), the applicant shall sign and acknowledge the document AND record the AUR document and a site plan prepared in accordance with Env-Or 608.03(a)(2) or (a)(3), (as applicable), in the registry of deeds on the chain of title for each lot that is subject to the AUR.

6. Within 30 days of recordation, the applicant shall submit a copy of the recorded AUR document and site plan to DES and the governing body of the municipality in which the site is located.

VI. Certification

To the best of my knowledge, the data and information that I have submitted to obtain the Activity and Use Restriction (AUR) from the New Hampshire Department of Environmental Services are true and correct.

Date: 1-22-15 **Signature:** James Bonia
Permit Applicant

James Bonia, Owner
Name: (print or type): James Bonia, Owner

No liability is incurred by the State by reason of any approval for an Activity and Use Restriction (AUR). Approval by the New Hampshire Department of Environmental Services is based on the information supplied by the applicant. No guarantee is intended or implied by reason of any advice given by DES or its staff.

NOTICE OF ACTIVITY AND USE RESTRICTION
TRI-STATE CAR CRUSHING PROPERTY
902 NH ROUTE 10
LEMPSTER, NEW HAMPSHIRE

This Notice of Activity and Use Restriction ("Notice") is made on this 22ND day of JANUARY, 2015 by James Bonia (d/b/a Tri-State Car Crushing), 902 NH Route 10, Lempster, New Hampshire 03605, together with its successors and assigns (collectively "Owner").

WITNESSETH

WHEREAS, James Bonia is the Owner in fee simple of that certain parcel of land located in Lempster, New Hampshire ("Property") and recorded at the Sullivan County, New Hampshire Registry of Deeds at Book #1602 - Page #0219; and,

WHEREAS, the Property, which is identified as Lot 227 on the Town of Lempster (Lempster) Tax Map 028 (Lot 227-028); and,

WHEREAS, said parcel of land, which is more particularly bounded and described in Exhibit A, attached hereto and made a part hereof, is subject to this Notice of Activity and Use Restriction; and,

WHEREAS, areas of historic buried solid waste have been identified by the New Hampshire Department of Environmental Services (NHDES) through test pit explorations and testing conducted by their contractor, GeoInsight, Inc. of Manchester, New Hampshire, and described in a February 11, 2014, *Test Pit Investigation Summary Report.*

WHEREAS, the NHDES has reviewed and approved this Notice, and has approved the continued use of the Property subject to the restrictions set forth in this Notice.

NOW, THEREFORE, as of the date effective date hereof, notice is hereby given that the Activity and Use Restrictions ("AUR") set forth below apply to the Property:

1. **Permitted Activities and Uses Set Forth in the AUR.** The AUR provides that, pursuant to Env-Or 608, no significant risk related to the site existing buried solid waste exists to human health, safety, or welfare or to the environment, under current conditions and for any foreseeable period of time, so long as the following activities and uses occur on the Property:

(a) Commercial, industrial and residential and related uses as permitted by the Town of Lempster Zoning Ordinance or otherwise by the Town of Lempster.

(b) Activities conducted within the Property that do not excavate or disturb solid wastes present in the subsurface soil, except in accordance with a NHDES-approved Soil and Materials Management Plan.

(c) Short-term (three months or less) underground utility and/or construction activities including, but not limited to, excavations (including emergency repair of underground utilities), which are likely to disturb solid waste-containing soil, provided that such activities are conducted in accordance with Obligations/Conditions (a), (b) and (c) of Section 3 of this AUR, and all applicable worker and safety practices pursuant to OSHA Standards and 29 CFR 1910.120.

(d) Such other activities and uses, which, in the opinion of an Environmental Consulting Firm and with concurrence by NHDES, shall present no greater risk or harm to human health, safety, or welfare or to the environment than the permitted activities and uses set forth herein.

2. **Restricted Activities and Uses Set Forth in the AUR.** Activities and uses which are inconsistent with the AUR, and which, if implemented at the Property, may result in a significant risk of harm to human health, safety, or welfare or to the environment or presents a substantial hazard, are as follows:

(a) Any activity, including, but not limited to, excavation associated with underground utility or construction work which is likely to disturb solid waste-containing soil on the site property without prior development and implementation of an NHDES approved Soil and Materials Management Plan and a site-specific Health and Safety Plan in accordance with Obligations/Conditions (a), (b) and (c) of Section 3 of this AUR.

(b) Any activity including, but not limited to, relocation of the solid waste-containing soil on the site property unless such activity is first evaluated and approved by an Environmental Consulting Firm and NHDES.

3. **Obligations/Conditions.** Obligations and/or Conditions to be undertaken and/or maintained at the Property to maintain a condition of no significant risk as set forth in the AUR shall include the following:

   (a) A Soil and Materials Management Plan (SMMP) prepared by a qualified Environmental Consulting Firm and approved by NHDES prior to commencement of any subsurface activity that may involve impact to the solid waste-containing soil on the site property or that would result in direct contact to humans or present a greater risk to the environment.

   (b) A site-specific Health and Safety Plan prepared by a Certified Industrial Hygienist or other qualified health and safety professional in accordance with 29 CFR 1910.120. The plan must clearly identify the location of the solid waste-containing soil on the site property and specifically identify the types of personal protective equipment, monitoring devices, and engineering controls necessary to ensure that workers and others at the Property are not exposed to solid waste-containing soil through dermal contact, ingestion, and/or inhalation of particulate dusts.

   (c) Solid waste-containing soil may not be relocated or moved unless: 1) evaluated by an Environmental Consulting Firm, which shall render an opinion that such relocation or movement of the soil is in accordance with the SMMP (if applicable) and is not inconsistent with maintaining a condition that is protective of human health and the environment; and 2) approval is granted by NHDES.

4. **Emergency Procedures.** In the event of any emergency or condition that may result in significant risk or harm to human health from exposure to solid waste-containing soil on the site property, Property Owner shall:

   (a) Promptly notify NHDES of such emergency or condition.

   (b) Limit disturbance of solid waste-containing soil to the minimum reasonably necessary to adequately respond to such emergency or condition.

   (c) Implement appropriate precautions to reduce exposures to solid waste-containing soil by workers at the Property and neighbors to the Property.

   (d) Engage the services of an Environmental Consulting Firm to supervise the preparation and implementation of a written

plan, for review and approval by NHDES, for restoring the Property to a condition consistent with the AUR.

(e) Take precautions to limit disturbance of solid waste-containing soil on the site property to the minimum necessary to respond to the emergency or condition.

5. **Proposed Changes in Activities and Uses.** The AUR may be amended or modified by Owner of the Property upon application to and approval by NHDES. Any proposed changes in activities and uses at the Property that may result in a greater risk to exposure to solid waste-containing soil than currently exists at the Property shall be evaluated by an Environmental Consulting Firm, which shall render an opinion as to whether the proposed changes will present an unacceptable level of risk to human health and the environment. Said opinion shall accompany the application. Any and all requirements set forth in the opinion or by NHDES as part of the approval process to insure a condition of no significant risk in the implementation of the proposed activity or use shall be satisfied before such activity or use is commenced.

6. **Duration of Activity and Use Restrictions.** The AUR shall run with the land, become binding upon successive owners of the Property or portions of the Property and shall remain in effect until the solid waste-containing soil at the Property meets applicable standards.

7. **Termination of Activity and Use Restrictions.** The AUR may be terminated in accordance with the following procedures:

   (a) Owner of Property shall submit to NHDES a written request to terminate this AUR with an explanation as to why such restrictions are no longer necessary to maintain the protection of human health and the environment.

   (b) Owner shall provide such supporting documentation as outlined in Env-Or 608, or as NHDES may deem necessary, to justify the termination of the AUR.

8. **Recordation.** This Notice of AUR, any modifications or amendments to this Notice of AUR, and termination of this Notice of AUR are effective upon recordation of the Notice in the chain of Title for the Property at the Sullivan County, New Hampshire Registry of Deeds. All recordation costs shall be the responsibility of the Property Owner. Owner shall provide certified copies of all AUR recorded instruments to NHDES within 60 days of recordation.

9. **Violation of Activity and Use Restriction.** The property owner shall notify NHDES in writing within 30 days of discovery of a violation of any condition of the NHDES approved and recorded AUR. Within 60 days of discovery of a violation, a property owner shall submit recommendations to correct the violation to NHDES for approval, including a corrective action plan and schedule for implementing the plan.

10. **Self-Certification**. The property owner shall self-certify compliance with the AUR every 5 years in the month of January beginning in the year 2020 on a form provided by the NHDES. Within 30 days of receipt of a self-certification form from NHDES, the property owner at the time of notice shall: 1) sign the form to certify that all conditions of the NHDES-approved AUR are being met, and 2) return the signed form to NHDES.

Owner hereby authorizes and consents to the filing and recordation of this Notice, which shall become effective upon approval of NHDES and recordation of this instrument at the Grafton County New Hampshire Registry of Deeds in the chain of Title for the Property.

James Bonia

James Bonia, Owner

State of New Hampshire
Grafton County

1-22-15, 2015

Then personally appeared the above-named James Bonia and acknowledged the foregoing instrument to be his/her free act and deed before me,

Kathleen M. Doyle

Notary Public:
My Commission Expires on:

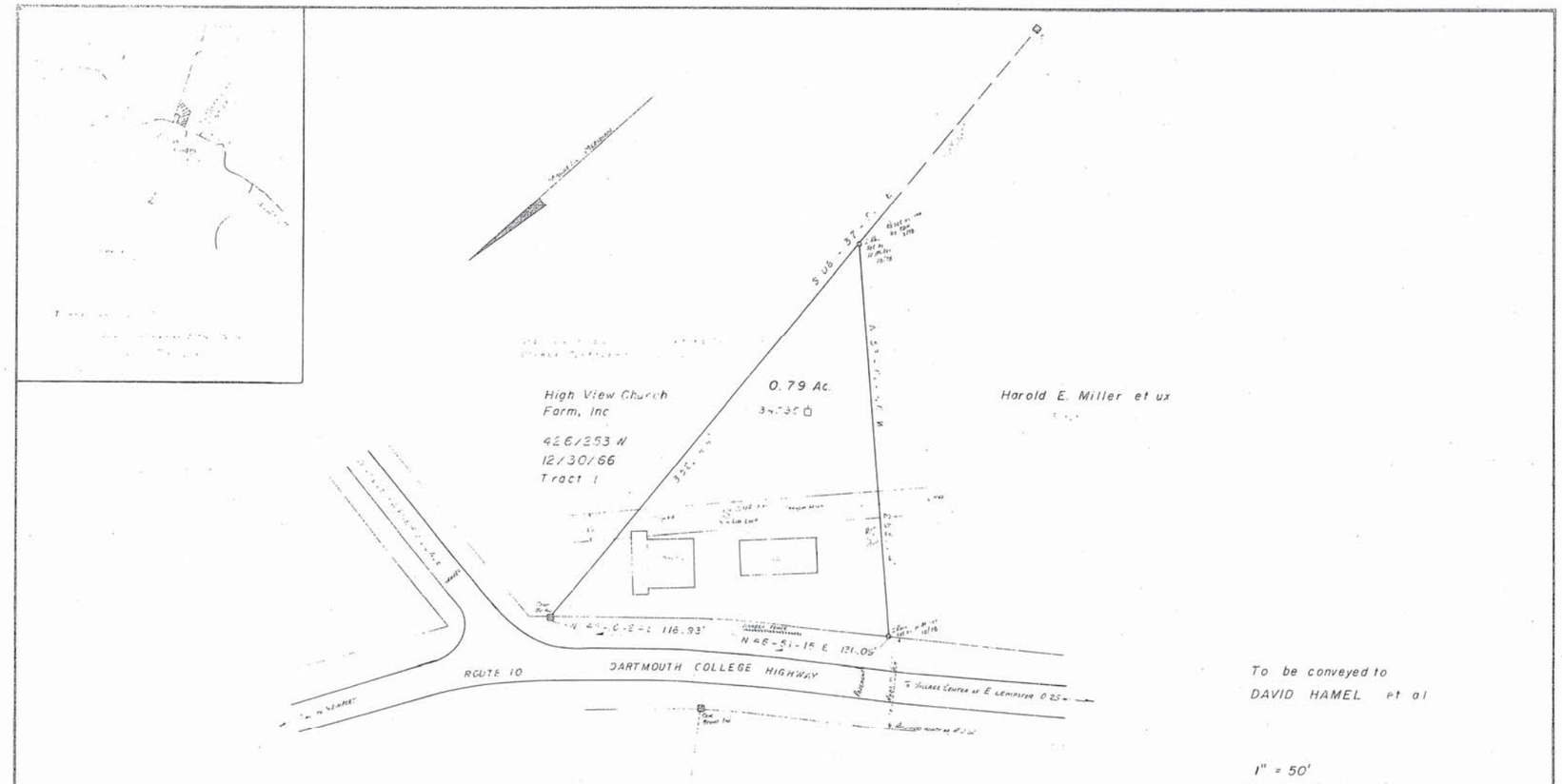
KATHLEEN M. DOYLE, Notary Public
My Commission Expires December 20, 2015

Upon recording, return to:

George Holt, P.G.
Aries Engineering, Inc.
46 S. Main Street,
Concord, NH 03301

EXHIBIT A

(Metes and Bounds of Property subject to AUR)



APPROVED BY LEMPSTER PLANNING BOARD on 12-2-78

chm.

sec.

Property of: HAROLD E. & JENNIE B. MILLER		
Location	East Side Route 10 Darthmouth College Highway N/S 2nd N.H. Tnpk.	
Town EAST LEMPSTER	County SULLIVAN	NEW HAMPSHIRE
Project R7-9-055,376	Deed 355/277 W 11/16/55	
THEODOLITE & TAPE PROPERTY SURVEY	Surveyed by TDH 11/05,06/78	F.B. 27
	Drawn by: TDH 12/4/78	Mapfile: F23
	Chkd:	
Accuracy: 1/30,100	Olivetti P101 Computer	

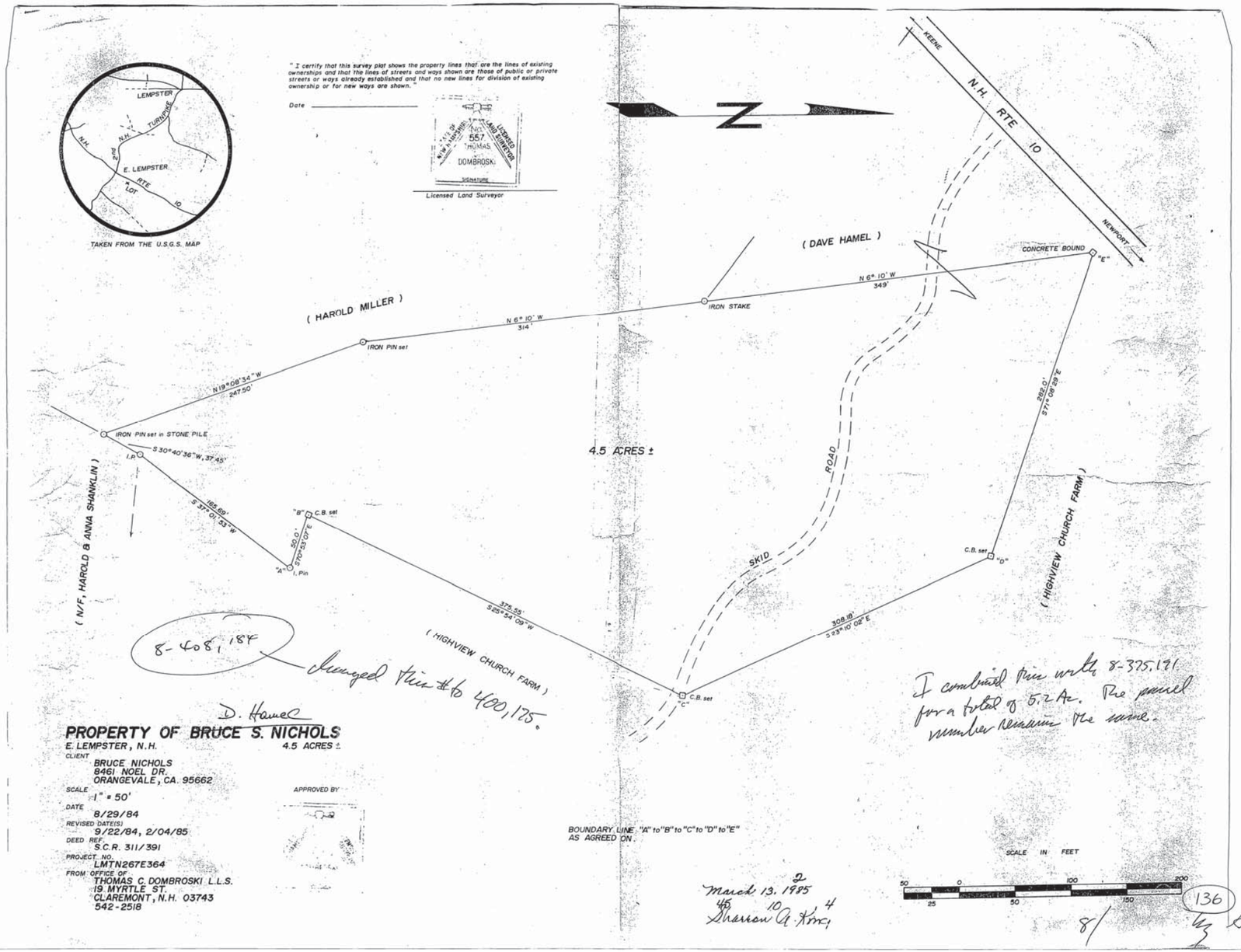
H.H. AMSDEN & SONS
LAND SURVEYORS

Henry H. AMSDEN
Concord, N.H.

Tyrone D. Hunter
E. Lempster, N.H.

137

Miller, Harold & map


LEMPSTER
TURNPIKE
N.H.
N.H.
RTE
10
E. LEMPSTER
LOT
TAKEN FROM THE U.S.G.S. MAP
" I certify that this survey plat shows the property lines that are the lines of existing ownerships and that the lines of streets and ways shown are those of public or private streets or ways already established and that no new lines for division of existing ownership or for new ways are shown. "
Date
STATE OF NEW HAMPSHIRE
LICENSED LAND SURVEYOR
No. 557
THOMAS C. DOMBROSKI
SIGNATURE
Licensed Land Surveyor
Z
KEENE
N.H. RTE 10
NEWPORT
(DAVE HAMEL)
CONCRETE BOUND
"E"
N 6° 10' W
349'
IRON STAKE
N 6° 10' W
314'
IRON PIN set
(HAROLD MILLER)
N 19°08'34" W
247.50
IRON PIN set in STONE PILE
I.P.
S 30°40'36" W, 37.45'
165.89'
S 37°01'43" W
"B"
C.B. set
50.0'
S70°43'01" E
"A"
I. Pin
(N/F, HAROLD & ANNA SHANKLIN)
4.5 ACRES ±
ROAD
SKID
S 25°54'09" W
(HIGHVIEW CHURCH FARM)
C.B. set
"C"
308.18'
S 23°10'02" E
C.B. set
"D"
S 71°08'29" E
(HIGHVIEW CHURCH FARM)
8-408, 184
changed this # to 400,175.
D. Hamel
I combined this with 8-375.171 for a total of 5.2 Ac. The parcel number remains the same.
PROPERTY OF BRUCE S. NICHOLS
E. LEMPSTER, N.H.
4.5 ACRES ±
CLIENT
BRUCE NICHOLS
8461 NOEL DR.
ORANGEVALE, CA. 95662
SCALE
1" = 50'
DATE
8/29/84
REVISED DATE(S)
9/22/84, 2/04/85
DEED REF.
S.C.R. 311/391
PROJECT NO.
LMTN267E364
FROM OFFICE OF
THOMAS C. DOMBROSKI L.L.S.
19 MYRTLE ST.
CLAREMONT, N.H. 03743
542-2518
APPROVED BY
BOUNDARY LINE "A" to "B" to "C" to "D" to "E"
AS AGREED ON.
March 13, 1985
Sharron A. Hoxy
SCALE IN FEET
50
0
100
200
25
50
150
136
8/